

Catalog of the Type Specimens
of Stony Corals (Milleporidae,
Stylasteridae, Scleractinia)
in the National Museum of Natural
History, Smithsonian Institution

STEPHEN D. CAIRNS

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ABSTRACT

Cairns, Stephen D. Catalog of the Type Specimens of Stony Corals (Milleporidae, Stylasteridae, Scleractinia) in the National Museum of Natural History, Smithsonian Institution. *Smithsonian Contributions to Zoology*, number 514, 59 pages, 1 table, 1991.—A taxonomic and cross-referenced alphabetic catalog is presented of all stony coral type specimens deposited in the National Museum of Natural History (NMNH) as of 1990. The following categories of types are included: holotype, paratype, lectotype, paralectotype, neotype, and syntype. The type specimens of 1107 nominal taxa are cataloged, including 156 calcified hydrozoans (Milleporidae, Stylasteridae) and 951 taxa of Scleractinia. Five data categories are included for each taxon in the alphabetic list: kind of type; catalog number; locality reference; number and nature of specimens; and geologic age. Optional remarks include references to senior synonyms, new generic combinations, authorships of neo- and lectotype designations, and other pertinent nomenclatural data. Special problems concerning the interpretation of the type status of species described by J.D. Dana and T.W. Vaughan are discussed; a table is presented listing new species subsequently derived from Dana's (1846) monograph. A separate bibliography is given of the 185 publications wherein stony coral types are designated that are deposited at the NMNH. Visitation to the NMNH for the purpose of examining the coral collection, and loans, gifts, and exchanges of scientifically valuable corals are encouraged. One taxonomic action is contained herein; *Flabellum floridanum* is proposed for *Flabellum fragile* Cairns, a junior primary homonym of *Flabellum cuneiforme* var. *fragile* Vaughan.

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Epigraph

“Every institution in which name-bearing types are deposited should ... (4) publish lists of name-bearing types in its possession or custody; and (5) so far as possible, communicate information concerning name-bearing types when requested.” (International Code of Zoological Nomenclature, 1985: Recommendation 72G).

Catalog of the Type Specimens of Stony Corals (Milleporidae, Stylasteridae, Scleractinia) in the National Museum of Natural History, Smithsonian Institution

Stephen D. Cairns

Introduction

In the spirit of Recommendation 72G of the International Code of Zoological Nomenclature (see Epigraph), an annotated listing of all type specimens of stony corals deposited at the National Museum of Natural History (NMNH) is presented. The following kinds of types are included: holotypes, paratypes, lectotypes, paralectotypes, neotypes, and syntypes. Categories of taxa included are: species, subspecies, variety, form, and subform. A total of 2069 specimen type lots representing 1107 nominal taxa are included: 156 taxa of calcified hydrozoans (4 milleporids and 152 stylasterids) and 951 taxa of Scleractinia. This is the first comprehensive, published list of all stony coral types in the NMNH, although partial listings of USNM types were compiled previously: a list of types of *Madrepora* (= *Acropora*) by Rathbun (1887); a list of types of *Porites* and *Synaraea* (Rathbun, 1888); a list of scleractinian types (Wells, 1952, unpublished); a list of NMNH Dana types (Carpenter, 1973, unpublished); and a listing of the types and hypotypes of 111 selected Tertiary species of Scleractinia (Budd, 1990). Furthermore, both Cairns (1978d) and Zlatarski (1988) published lists of publications wherein types were designated that were deposited at the NMNH. In many cases—especially in the publications of Dana, Vaughan, Verrill, Weisbord, and Wells—this list constitutes the first published record of the catalog number for their type specimens. All types were personally verified as present in 1990.

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This paper was reviewed by J.W. Wells, Cornell University; J.E.N. Veron, Australian Institute of Marine Sciences; A. Budd, University of Iowa; and H. Zibrowius, Station Marine d'Endoume, Marseille.

ORGANIZATION OF THE CATALOG.—The catalog is organized as two lists—taxonomic and alphabetic—which are easily cross-referenced. The taxonomic list is arranged by family, beginning with the Hydrozoa, and, in general, the scleractinian families are arranged in the order proposed by Wells (1956). Within families, the taxa are arranged alphabetically by genus and then species. Currently accepted generic combinations are used in this list, to the best of my ability to ascertain them through the literature and prepublication review. In cases on controversy concerning the generic placement of species, the most recent revisionary work is used; it is not my intent to decide on taxonomic issues of this nature. The names of Recent species are unprefaced; Tertiary species are prefaced with a “†”; Mesozoic species with a “‡”.

The alphabetic list is divided into two parts: part 1 includes the two calcified hydrozoan families; part 2, the anthozoan, or scleractinian, families. The taxa are listed in their original combination and alphabetized by their lowest taxonomic component. Each entry has at least five standard categories of information: kind of type; USNM catalog number; station number or brief locality designation; number and kind of specimens; geologic age; and remarks, if any. The kind of type is always abbreviated (see list of abbreviations) and followed by a colon. Catalog numbers for the stony corals historically derive from three number series. Unprefaced numbers pertain to the current number series in the Department of Invertebrate Zoology. Numbers prefaced with an “M” derived from the Division of Mollusks series, discontinued for corals in approximately 1963. Numbers prefaced with an “I” derived from the Invertebrate Paleontology series and pertain almost exclusively to Mesozoic Scleractinia, which were until recently curated in the Department of Paleobiology. Some “M” and “I” numbers were subsequently recataloged (these numbers are

noted in parentheses) but, in general, all original numbers have been maintained. Catalog numbers are sometimes not assigned if the only material present at the NMNH is an SEM stub. Following the catalog number is a station number or brief locality description for that specimen lot (see abbreviations). This category is not meant to represent the type locality but only to serve as a discriminator among multiple type lots and a confirmation of its type status. Following the location is an indication of how many specimens are present in that lot, as well as an indication of the number of thin sections, histological serial sections, and/or SEM stubs (see abbreviations), if any. All specimens are stored dry, unless indicated otherwise. Specimens obtained by exchange with other institutions and their previous catalog numbers (if known) are also indicated in parentheses in this category, prefaced by an "ex". The last standard category of information lists the geologic age. The optional remarks category includes information such as a reference to the current generic combination, listing of the presumed senior subjective synonym, citations of lecto- and neotype designations, and other pertinent nomenclatural data.

Two lists of references are given following the species list. The first is a list of the 185 publications wherein stony coral types are designated that are deposited at the NMNH. The reader is advised, however, that a reference on this list does not imply that all or even most of its types are deposited at the NMNH, but only that at least one is. The shorter, second list includes references cited in the remarks and introductory section, usually pertaining to: documentation of synonyms, generic transfers, lecto- and neotype designations, and other historical matters.

SPECIAL PROBLEMS.—By far, the largest component of the NMNH coral type collection is the collection of types resulting from the United States Exploring Expedition (Dana, 1846), these specimens forming the nucleus of the coral collection and having the lowest catalog numbers (i.e., 1–700). Unfortunately, Dana did not clearly designate types or publish catalog numbers in his monograph. Furthermore, his descriptions were often inadequate to distinguish specimens (or species) and often were poorly illustrated, or such small portions of the corallum were illustrated that the illustrations are non-specimen diagnostic. Finally, a large part of this collection was exchanged with the Harvard Museum of Comparative Zoology, Yale Peabody Museum, and the Philadelphia Academy of Sciences. The following approach was taken with the Dana collection. For any species, if it is clear that Dana had only a single specimen available to him and a specimen is found with this name and a label that matches the type locality, this specimen is considered to be the holotype. However, if the original description does not imply a unique specimen, it is assumed that a syntype series exists, even if only one specimen is present at the NMNH. An unpublished list of coelenterate types deposited at the Museum of Comparative Zoology (Opresko, 1982) was of value in confirming the existence of additional specimens in syntype series.

An added complication related to the Dana U.S. Exploring Expedition coral collection was that, as an appendix to Dana's (1872) *Corals and Coral Islands*, Verrill (1872) listed all the species treated by Dana (1846) and the names that subsequently came to be applied to them. For instance, in the intervening 26 years (1846 through 1872) many species had been reassigned to different genera and no less than 31 new species and one replacement name described in ten publications (Milne Edwards and Haime, 1850, 1851a, 1851b, 1857, 1860; Verrill, 1864, 1866a, 1869a, 1872; Dana, 1872) had been based on specimens reported by Dana (1846) under older names (Table 1). Many of these 32 species were given the name *danae* in honor of J.D. Dana. Twelve of the 32 species were established by Verrill (1872) in the appendix simply by placing a new name opposite the name that Dana originally used. Unfortunately, Verrill's (1872) list is confusing, since he does not give year of authorship for the new species and often misleadingly places his own name after new generic combinations. In an effort to indicate precisely which new species were subsequently based on Dana's (1846) monograph, Table 1 is presented, listing the names that Dana used, the 31 new species and one replacement name (with authorship), the current classification of the species, and the catalog number, if known. Much of this information can also be extracted from the annotated species list. At least one more new species was based on Dana's (1846) specimens: *Madrepora secale* Studer, 1878, which is also listed in Table 1.

The interpretation of T.W. Vaughan's type concept also requires some explanation. Vaughan often clearly designated his type specimens in publication or expressly excluded specimens from a type series (International Code of Zoological Nomenclature, 1985: Article 72(b)1), but he also frequently listed all material examined and designated one specimen as the "type" and perhaps another specimen as the "cotype". According to Article 72(b)6 (International Code of Zoological Nomenclature, 1985), the "type" is considered to be the holotype, the "cotypes" as paratypes, and the remaining specimens as non-type specimens. This rule is occasionally overruled by the presence of museum labels in Vaughan's handwriting that clearly indicate his intentions regarding the types status of various specimens (International Code of Zoological Nomenclature, 1985: Recommendation 72B). The same reasoning is applied to the types designated by Hoffmeister.

LOAN AND EXCHANGE POLICY.—One of the primary purposes of a museum type collection is to serve as a reference tool for systematic revision, and, as such, should be made accessible to the scientific community. Visitors with legitimate scientific interests in the coral collection are welcome at the NMNH, but, if a visit cannot be arranged, both type and nontype specimens may be borrowed for six or twelve month periods, respectively. Furthermore, coral specimens of scientific value are welcomed as gifts to the NMNH collections and equivalent exchanges with other scientific institutions of both type and nontype specimens are highly encouraged. The

TABLE 1.—New species based on non-type specimens reported by Dana (1846), and a revision of Verrill (1872). Table arranged by page number (not shown) of Dana (1846).

Dana's (1846) Original Citation	New Species or Nom. Nov. Proposed	Current Senior Synonym	Catalog Number
<i>Astraea (Orbicella) microphthalma</i> (Lamarck)	<i>Cyphastraea danai</i> Milne Edwards and Haime, 1857	<i>Cyphastraea seraii</i> (Forsk.) 1775	S:85764
<i>Astraea (Fissicella) porcata</i> (Esper)	<i>Favia danai</i> Milne Edwards and Haime, 1857	<i>Favia danai</i> Milne Edwards and Haime, 1857	H:31; P:32
<i>Astraea (Fissicella) magnifica</i> (Blainville)	<i>Prionastraea spectabilis</i> Verrill, 1872	<i>Goniastrea aspera</i> Verrill, 1865	H:79
<i>Astraea (Fissicella) versipora</i> (Lamarck) var. from Singapore	<i>Astraea puamami</i> Verrill, 1872	<i>Favia pallida</i> (Dana, 1846)	S:76
<i>Astraea (Fissicella) denticulata</i> (Ellis and Solander)	<i>Astraea cellulosa</i> Verrill, 1872	<i>Favia pallida</i> (Dana, 1846)	H:77
<i>Astraea (Fissicella) reticularis</i> (Lamarck)	<i>Prionastraea agassizi</i> Milne Edwards and Haime, 1857	? <i>Favites agassizi</i> (Verrill, 1872)	?
<i>Astraea (Fissicella) favistella</i> Dana var. from Wake's Id.	<i>Astraea pacifica</i> Verrill, 1872	? <i>Favia pacifica</i> (Verrill, 1872)	S:MCZ
<i>Astraea (Fissicella) intersepta</i> (Esper)	<i>Plesiastrea armata</i> Verrill, 1872	<i>Favia stelligera</i> (Dana, 1846)	H:65
<i>Astraea (Fissicella) heliopera</i> (Lamarck)	<i>Prionastraea valida</i> Verrill, 1872	? <i>Favites valida</i> (Verrill, 1872)	?
<i>Meandrina phrygia</i> (Ellis)	<i>Meandrina rudis</i> Verrill, 1872	?	L:MNHP 484 and PL:125
<i>Fungia echinata</i> (Esper)	<i>Fungia danae</i> Milne Edwards and Haime, 1851a	<i>Fungia horrida</i> Dana, 1846 and <i>F. lacera</i> Verrill, 1866a	H:124
<i>Fungia echinata</i> (Esper) var. from Fiji	<i>Fungia lacera</i> Verrill, 1866a	<i>Fungia lacera</i> Verrill, 1866a	S:MCZ 5396
<i>Fungia dentigera</i> (Leuckart)	<i>Lobactis danae</i> Verrill, 1864	<i>Fungia scularia</i> Lamarck, 1801	S:159
<i>Halomitra pileus</i> (Linnaeus)	<i>Halomitra clypeus</i> Verrill, 1864	<i>Halomitra pileus</i> (Linnaeus, 1758)	H:136
<i>Pavonia boletiformis</i> (Lamarck)	<i>Lophoseris danai</i> Milne Edwards and Haime, 1860	<i>Pavonia danai</i> (Milne Edwards and Haime, 1860)	?
<i>Agaricia (Undaria) rugosa</i> (Lamarck)	<i>Pachyseris valenciensi</i> Milne Edwards and Haime, 1851a	<i>Pachyseris rugosa</i> (Lamarck, 1801)	S:218, 219
<i>Agaricia (Undaria) rugosa</i> (Lamarck)	<i>Pachyseris monticulosa</i> Verrill, 1866a	<i>Pachyseris rugosa</i> (Lamarck, 1801)	YPM
<i>Agaricia (Mycedium) cristata</i> (Lamarck)	<i>Agaricia danai</i> Milne Edwards and Haime, 1860	?	H:217
<i>Psammocora plicata</i> (Lamarck)	<i>Psammocora frondosa</i> Verrill, 1872	<i>Psammocora contigua</i> (Esper, 1797)	H:182
<i>Dendrophyllia coccinea</i> (Ehrenberg)	<i>Dendrophyllia danae</i> Verrill, 1872	<i>Dendrophyllia danae</i> Verrill, 1872	H:208
<i>Astraeopora pulvinaria</i> (Lamarck)	<i>Astraeopora profunda</i> Verrill, 1872	<i>Astraeopora myriophthalma</i> (Lamarck, 1816)	H:303
<i>Madrepora deformis</i> Dana, 1846	<i>Madrepora danai</i> Milne Edwards and Haime, 1860 (nom. nov.)	<i>Acropora danai</i> (Milne Edwards and Haime, 1860)	S:339
<i>Manopora cristigalli</i> (Ehrenberg)	<i>Manopora aspera</i> Verrill, 1872	?	?
<i>Manopora foliosa</i> (Pallas)	<i>Manopora ehrenbergi</i> Verrill, 1872	?	L:307
<i>Manopora tuberculosa</i> (Lamarck)	<i>Manopora danae</i> Milne Edwards and Haime, 1851b	<i>Montipora danae</i> Milne Edwards and Haime, 1851b	S:327
<i>Alveopora daedalea</i> (Forsk.)	<i>Alveopora verrilliana</i> Dana, 1872	<i>Alveopora verrilliana</i> Dana, 1872	S:85756
<i>Sideropora palmata</i> (Blainville)	<i>Sylophora danae</i> Milne Edwards and Haime, 1850	?	H:696
<i>Pocillopora favosa</i> (Ehrenberg) var. from Fiji	<i>Pocillopora danae</i> Verrill, 1864	<i>Pocillopora verrucosa</i> (Ellis and Solander, 1786)	S:698
<i>Pocillopora favosa</i> (Ehrenberg) var. from Sandwich Ids.	<i>Pocillopora aspera</i> Verrill, 1869a	?	S:658
<i>Pocillopora verrucosa</i> (Lamarck) var. from Sandwich Ids.	<i>Pocillopora nobilis</i> Verrill, 1864	<i>Pocillopora meandrina</i> Dana, 1846	?MCZ
<i>Pocillopora plicata</i> Dana var. from Sandwich Ids.	<i>Pocillopora aspera lata</i> Verrill, 1869a	?	S:684
<i>Porites contigua</i> (Esper)	<i>Porites danae</i> Milne Edwards and Haime, 1851b	<i>Psammocora contigua</i> (Esper, 1797)	H:YPM
<i>Madrepora plantaginea</i> (Lamarck)	<i>Madrepora secale</i> Studer, 1878	<i>Acropora secale</i> (Studer, 1878)	

Taxonomic List of Stony Coral Types Deposited in the National Museum of Natural History

Class HYDROZOA

Order HYDROIDA

Family MILLEPORIDAE

- †*Milleaster incrustans* Ulrich, 1904
- †*Milleaster interglacialis* Richards, 1933
- †*Milleaster ? subramosa* Ulrich, 1904
- Millepora tortuosa* Dana, 1846

Family STYLASTERIDAE

- Adelopora pseudothyron* Cairns, 1982b
- †*Astya nielsenii* Wells, 1977
- †*Axopora cleithridium* (Squires, 1958)
- Calyptopora reticulata* Boschma, 1968a
- Cheiloporidion pulvinatum* Cairns, 1983a
- Conopora adeta* Cairns, 1987
- Conopora major* Hickson and England, 1905
- Conopora tenuis* Moseley, 1879
- Crypthelia affinis* Moseley, 1881
- Crypthelia balia* Hickson and England, 1905
- Crypthelia clausa* Broch, 1947
- Crypthelia cryptotrema* Zibrowius, 1981
- Crypthelia cymas* Cairns, 1986b
- Crypthelia dactylopoma* Cairns, 1986b
- Crypthelia eueides* Cairns, 1986b
- Crypthelia floridana* Cairns, 1986a
- Crypthelia formosa* Cairns, 1983a
- Crypthelia fragilis* Cairns, 1983a
- Crypthelia gigantea* Fisher, 1938
- Crypthelia glebulenta* Cairns, 1986b
- Crypthelia glossopoma* Cairns, 1986a
- Crypthelia insolita* Cairns, 1986a
- Crypthelia lacunosa* Cairns, 1986b
- Crypthelia micropoma* Cairns, 1985
- Crypthelia papillosa* Cairns, 1986a
- Crypthelia peircei* Pourtalès, 1867
- Crypthelia platypoma* Hickson and England, 1905
- Crypthelia ramosa* Hickson and England, 1905
- Crypthelia stenopoma* Hickson and England, 1905
- Crypthelia tenuiseptata* Cairns, 1986a
- Crypthelia trophostega* Fisher, 1938
- †*Crypthelia vetusta* Wells, 1977
- Distichopora anceps* Cairns, 1978c
- Distichopora anomala* Cairns, 1986a
- Distichopora barbadensis* Pourtalès, 1874
- Distichopora borealis* Fisher, 1938
- Distichopora borealis japonica* Broch, 1942
- Distichopora cervina* Pourtalès, 1871
- Distichopora contorta* Pourtalès, 1878
- Distichopora foliacea* Pourtalès, 1868
- Distichopora laevigranulosa* Cairns, 1986b
- Distichopora nitida* Verrill, 1864

- Distichopora rosalingae* Cairns, 1986a
- Distichopora sulcata* Pourtalès, 1867
- Distichopora uniserialis* Cairns, 1986a
- Distichopora yucatanensis* Cairns, 1986a
- Errina altispina* Cairns, 1986a
- Errina amoena* Boschma, 1956
- Errina aspera masarina* Boschma, 1965a
- Errina atlantica* Hickson, 1912b
- Errina boschmai* Cairns, 1983a
- Errina carnea* Boschma, 1965b
- Errina cheilopora* Cairns, 1983a
- Errina cochleata* (Portalès, 1867)
- Errina cruenta* Boschma, 1968b
- Errina cyclopora* Cairns, 1983a
- Errina dabneyi* (Portalès, 1871)
- Errina gracilis* Marenzeller, 1903
- Errina macrogastra* Marenzeller, 1904
- Errina novaezelandiae* facies *dendyi* Hickson, 1912a
- Errinopora cestoporina* Cairns, 1983a
- Errinopora intervacans* Naumov, 1960
- Errinopora latifundata* Naumov, 1960
- Errinopora nanneca* Fisher, 1938
- Errinopora pourtalesi* (Dall, 1884)
- Errinopora zarhyncha* Fisher, 1938
- Errinopsis fenestrata* Cairns, 1983a
- Inferiolabiata lowei* (Cairns, 1983a)
- Lepidopora acrolophos* Cairns, 1983a
- Lepidopora biserialis* Cairns, 1986a
- Lepidopora carinata* (Portalès, 1867)
- Lepidopora clavigera* Cairns, 1986a
- Lepidopora cryptocymas* Cairns, 1985
- Lepidopora decipiens* (Boschma, 1964a)
- Lepidopora diffusa* (Boschma, 1963)
- Lepidopora glabra* (Portalès, 1867)
- Lepidopora granulosa* (Cairns, 1983a)
- Lepidopora polystichopora* Cairns, 1985
- Lepidotheca brochi* Cairns, 1986a
- Lepidotheca cervicornis* (Broch, 1842)
- Lepidotheca fascicularis* (Cairns, 1983a)
- Lepidotheca horrida* (Hickson and England, 1905)
- Lepidotheca macropora* Cairns, 1986b
- Lepidotheca pourtalesi* Cairns, 1986a
- Lepidotheca ramosa* (Hickson and England, 1905)
- Lepidotheca tenuistylus* (Broch, 1942)
- Paraerrina decipiens* Broch, 1942
- Phalangopora regularis* Kirkpatrick, 1887
- Phalangopora seriatus* (Broch, 1942)
- Pliobothrus echinatus* Cairns, 1986a
- Pseudocrypthelia pachypoma* (Hickson and England, 1905)

Sporadopora providentiae Hickson and England, 1909
 †*Stenohelia boschmai* Wells, 1977
Stenohelia concinna Boschma, 1964b
Stenohelia pauciseptata Cairns, 1986a
Stenohelia robusta Boschma, 1964b
Stenohelia tiliatus (Hickson and England, 1905)
Stenohelia umbonatus (Hickson and England, 1905)
Stylanthea papillosa (Fisher, 1938)
Stylanthea petrograpta (Fisher, 1938)
Stylanthea porphyra Fisher, 1931
Stylaster amphelioides Kent, 1871
Stylaster antillarum Zibrowius and Cairns, 1982
Stylaster aurantiacus Cairns, 1986a
Stylaster bellus Dana, 1846
Stylaster bilobatus Hickson and England, 1905
Stylaster brochi (Fisher, 1938)
Stylaster brunneus Boschma, 1970
Stylaster californicus (Verrill, 1866a)
Stylaster campylecus (Fisher, 1938)
Stylaster campylecus parageus (Fisher, 1938)
Stylaster campylecus trachystomus (Fisher, 1938)
Stylaster campylecus tylotus (Fisher, 1938)
Stylaster cancellatus Fisher, 1938
Stylaster complanatus Pourtalès, 1867
Stylaster corallium Cairns, 1986a
Stylaster divergens Marenzeller, 1904
Stylaster duchassaingi Pourtalès, 1867
Stylaster elassotomus Fisher, 1938
Stylaster elegans Verrill, 1864
Stylaster erubescens Pourtalès, 1868
Stylaster eximius forma *alta* Hickson and England, 1905
Stylaster eximius forma *atlantica* Broch, 1936
Stylaster eximius forma *dentatus* Hickson and England, 1905
Stylaster eximius forma *irregularis* Hickson and England, 1905
Stylaster eximius forma *minor* Hickson and England, 1905
Stylaster filogranus Pourtalès, 1871
Stylaster galapagensis Cairns, 1986b
Stylaster gemmascens alaskanus Fisher, 1938
Stylaster inornatus Cairns, 1986a
Stylaster laevigatus Cairns, 1986a
Stylaster lonchitis Broch, 1947
Stylaster marenzelleri Cairns, 1986b
Stylaster marshae Cairns, 1988b
 †*Stylaster milleri* Durham, 1942
Stylaster miniatus (Portalès, 1868)
Stylaster moseleyanus (Fisher, 1938)
Stylaster moseleyanus forma *leptostylus* (Fisher, 1938)
Stylaster moseleyi (Dall, 1884)
Stylaster multiplex Hickson and England, 1905
Stylaster papuensis Zibrowius, 1981
Stylaster polyorchis (Fisher, 1938)

Stylaster profunda (Moseley, 1879)
Stylaster pulcher Quelch, 1884
Stylaster robustus (Cairns, 1983a)
Stylaster rosaceus (Greeff, 1886)
Stylaster spatula Cairns, 1986a
Stylaster stejneri (Fisher, 1938)
Stylaster stellulatus Stewart, 1878
Stylaster tenisonwoodsii Cairns, 1988b
Stylaster tenuis Verrill, 1864
Stylaster verrillii (Dall, 1884)

Class ANTHOZOA

Order SCLERACTINIA

Family ASTROCOENIIDAE

‡*Astrocoenia barranquinensis* Wells, 1944a
 ‡*Astrocoenia bellensis* Wells, 1933
 †*Astrocoenia decaturensis* Vaughan, 1919
 ‡*Astrocoenia dietzi* Hamilton, 1956
 †*Astrocoenia guantanamoensis* Vaughan, 1919
 †*Astrocoenia jamaicaensis* Wells, 1934
 †*Astrocoenia jukesbrowni* Wells, 1945
 ‡*Astrocoenia maloniana* Vaughan, 1905
 ‡*Astrocoenia martini* Smith, 1927
 †*Astrocoenia meizeri* Vaughan, 1919
 ‡*Astrocoenia pattoni* Wells, 1933
 †*Astrocoenia portoricensis* Vaughan, 1919
 ‡*Astrocoenia revellei* Hamilton, 1956
 ‡*Astrocoenia shastensis* Smith, 1927
 †*Astrocoenia trechmanni* Wells, 1945
 †*Atopocoenia kugleri* Wells, 1974a
 ‡*Epiphaxum labyrinthicum* Wells, 1932
 †*Platycoenia jacksonensis* Vaughan, 1900a
Stephanocoenia goodei (Verrill, 1900)
 ‡*Stephanocoenia guadelupae* Wells, 1932
 ‡*Stephanocoenia wintoni* Wells, 1933
 †*Stylocoenia pumpellyi* (Vaughan, 1900a)
 ‡*Texastrea catenata* Wells, 1973b

Family THAMNASTERIIDAE

Psammocora brighami (Vaughan, 1907a)
Psammocora contigua var. *tutuilensis* Hoffmeister, 1925
Psammocora danae (Milne Edwards and Haime, 1851b)
Psammocora frondosa Verrill, 1872
 †*Psammocora gasparillensis* Vaughan in Vaughan and Hoffmeister, 1926
Psammocora samoensis Hoffmeister, 1925
Psammocora stellata (Verrill, 1866b)
 †*Psammocora trinitatis* Vaughan in Vaughan and Hoffmeister, 1926
Psammocora verrilli Vaughan, 1907a
 †*Psammocora wyckoffi* Hoffmeister in Vaughan and Hoffmeister, 1926
 ‡*Thamnasteria borealis* (Smith, 1927)

†*Thamnasteria duncani* (Vaughan, 1900a)

Family POCILLOPORIDAE

‡*Distichophyllia melnikovae* Montanaro Gallitelli in
Montanaro Gallitelli, Russo, and Ferrari, 1979

†*Madracis duncani* Wells, 1945

Madracis formosa Wells, 1973a

†*Madracis ganeii* Vaughan, 1900a

†*Madracis gregorioi* Vaughan, 1900a

†*Madracis johnsoni* Vaughan, 1900a

Madracis kauaiensis Vaughan, 1907a

Madracis kauaiensis var. *macrocalyx* Vaughan, 1907a

Madracis senaria Wells, 1974b

†*Pocillopora arnoldi* Vaughan, 1919

Pocillopora aspera Verrill, 1869a

†*Pocillopora baracoensis* Vaughan, 1919

Pocillopora cespitosa Dana, 1846

Pocillopora cespitosa var. *laysanensis* Vaughan, 1907a

Pocillopora cespitosa var. *stylophoroides* Vaughan,
1907a

Pocillopora cespitosa var. *tumida* Vaughan, 1907a

Pocillopora danae Verrill, 1864

Pocillopora diomedea Vaughan, 1906a

Pocillopora elegans Dana, 1846

Pocillopora frondosa Verrill, 1869a

Pocillopora grandis Dana, 1846

†*Pocillopora guantanamoensis* Vaughan, 1919

Pocillopora informis Dana, 1846

Pocillopora modumanensis Vaughan, 1907a

Pocillopora molokensis Vaughan, 1907a

Pocillopora nobilis Verrill, 1864

Pocillopora nobilis var. *tuberosa* Verrill, 1869a

Pocillopora plicata Dana, 1846

Pocillopora porosa Verrill, 1869a

Pocillopora setchelli Hoffmeister, 1929a

Pocillopora squarrosa Dana, 1846

†*Pocillopora vitiensis* Hoffmeister, 1945

Pocillopora woodjonesi Vaughan, 1918

Seriatopora caliendrum gracilis Dana, 1846

Seriatopora hystrix Dana, 1846

†*Stylophora cambridgensis* Wells, 1934

†*Stylophora canalis* Vaughan, 1919

Stylophora danae Milne Edwards and Haime, 1850

Stylophora digitata var. *coalescens* (Dana, 1846)

†*Stylophora gigas* Hoffmeister, 1945

†*Stylophora goethalsi* Vaughan, 1919

†*Stylophora imperatoris* Vaughan, 1919

†*Stylophora macdonaldi* Vaughan, 1919

†*Stylophora minutissima* Vaughan, 1900a

†*Stylophora monticulosa* Hoffmeister in Vaughan and
Hoffmeister, 1925

Stylophora mordax (Dana, 1846)

†*Stylophora panamensis* Vaughan, 1919

†*Stylophora ponderosa* Vaughan, 1900a

†*Stylophora portobellensis* Vaughan, 1919

†*Stylophora willoughbyi* Wells, 1945

Family ACROPORIDAE

Acropora acervata (Dana, 1846)

Acropora aculeus (Dana, 1846)

Acropora alces (Dana, 1846)

Acropora arbuscula (Dana, 1846)

Acropora aspera (Dana, 1846)

Acropora brachiata (Dana, 1846)

Acropora cardenae Wells, 1985

Acropora carduus (Dana, 1846)

Acropora cerealis (Dana, 1846)

Acropora conigera (Dana, 1846)

Acropora convexa (Dana, 1846)

Acropora cribripora (Dana, 1846)

Acropora cuneata (Dana, 1846)

Acropora cuspidata (Dana, 1846)

Acropora cyclopea (Dana, 1846)

Acropora cytherea (Dana, 1846)

Acropora danai (Milne Edwards and Haime, 1860)

Acropora deformis (Dana, 1846)

Acropora diomedea Vaughan, 1906a

Acropora divaricata (Dana, 1846)

Acropora echinata (Dana, 1846)

Acropora exigua (Dana, 1846)

Acropora florida (Dana, 1846)

Acropora formosa (Dana, 1846)

Acropora globiceps (Dana, 1846)

Acropora gracilis (Dana, 1846)

Acropora hebes (Dana, 1846)

Acropora horrida (Dana, 1846)

Acropora humilis (Dana, 1846)

Acropora hyacinthus (Dana, 1846)

Acropora hystrix (Dana, 1846)

Acropora implicata (Dana, 1846)

Acropora labrosa (Dana, 1846)

Acropora mangarevensis Vaughan, 1906a

Acropora murrayensis Vaughan, 1918

Acropora nasuta (Dana, 1846)

Acropora nobilis (Dana, 1846)

Acropora pagoensis Hoffmeister, 1925

Acropora palifera forma *beta* Wells, 1954

Acropora palmerae Wells, 1954

†*Acropora panamensis* Vaughan, 1919

Acropora paxilligera (Dana, 1846)

Acropora pinguis Wells, 1950

Acropora prolixa (Verrill, 1866a)

Acropora prostrata (Dana, 1846)

Acropora pumila (Verrill, 1866a)

Acropora ramiculosa (Dana, 1846)

Acropora retusa (Dana, 1846)

Acropora robusta (Dana, 1846)

Acropora rosaria (Dana, 1846)

†*Acropora saludensis* Vaughan, 1919

Acropora schmitti Wells, 1950

Acropora secunda (Dana, 1846)

Acropora securis (Dana, 1846)

- Acropora spicifera* (Dana, 1846)
Acropora spicifera var. *abbreviata* (Dana, 1846)
Acropora striata (Verrill, 1866a)
Acropora subulata (Dana, 1846)
Acropora surculosa (Dana, 1846)
†*Acropora tampaensis* Weisbord, 1973
Acropora tenuis (Dana, 1846)
Acropora teres (Verrill, 1866a)
Acropora teres var. *distans* Wells, 1954
Acropora tortuosa (Dana, 1846)
Acropora tubicinaria (Dana, 1846)
Acropora tumida (Verrill, 1866a)
Acropora turgida (Verrill, 1866a)
Acropora tutuilensis Hoffmeister, 1925
Acropora valida (Dana, 1846)
Acropora vanderhorsti Hoffmeister, 1925
Acropora vaughani Wells, 1954
Acropora virgata (Dana, 1846)
†*Astreopora antiguensis* Vaughan, 1919
†*Astreopora goethalsi* Vaughan, 1919
†*Astreopora ndukeluensis* Hoffmeister, 1945
†*Astreopora portoricensis* Vaughan, 1919
Astreopora profunda Verrill, 1872
Astreopora suggesta Wells, 1954
Astreopora tabulata Wells, 1954
†*Astreopora tongensis* Hoffmeister, 1932
†*Astreopora tuvuhaensis* Hoffmeister, 1945
†*Astreopora walli* Wells, 1934
†*Dendracis pacificus* Wells, 1964b
Montipora aspera Verrill, 1872
Montipora bernardi Vaughan, 1907a
Montipora bernardi var. *subglabra* Vaughan, 1907a
Montipora berryi Hoffmeister, 1925
Montipora caliculata (Dana, 1846)
Montipora capitata (Dana, 1846)
Montipora cocosensis Vaughan, 1918
Montipora colei Wells, 1954
Montipora conicula Wells, 1954
Montipora danae Milne Edwards and Haime, 1851b
Montipora digitata (Dana, 1846)
Montipora effusa (Dana, 1846)
Montipora elschneri Vaughan, 1918
Montipora erosa (Dana, 1846)
Montipora expansa (Dana, 1846)
Montipora floweri Wells, 1954
Montipora grandifolia (Dana, 1846)
Montipora hispida (Dana, 1846)
Montipora hoffmeisteri Wells, 1954
Montipora incrassata (Dana, 1846)
Montipora lichen (Dana, 1846)
Montipora marshallensis Wells, 1954
Montipora nodosa (Dana, 1846)
Montipora palmata (Dana, 1846)
Montipora patula Verrill, 1869a
Montipora planiuscula (Dana, 1846)
Montipora poritiformis Verrill, 1866a
Montipora rigida Verrill, 1866a
Montipora scabricula (Dana, 1846)
Montipora studeri Vaughan, 1907a
Montipora tenuicaulis Vaughan, 1907a
Montipora tortuosa (Dana, 1846)
Montipora vaughani Hoffmeister, 1925
Montipora verrilli Vaughan, 1907a
Montipora verrilli var. *auaensis* Hoffmeister, 1925
- Family STYLINIDAE
- ‡*Cyathophora hedbergi* Wells, 1944a
‡*Enallhelia occidentalis* Wells, 1944a
†*Haimesiastraea conferta* Vaughan, 1900a
‡*Heterocoenia ? washitaensis* Wells, 1933
‡*Myriophyllia borrachensis* Wells, 1944a
‡*Stylangia laddi* Wells, 1944a
†*Stylangia panamensis* Vaughan, 1919
‡*Stylina columbaris* Scott and Aleman, 1984
‡*Stylina sucrensis* Wells, 1944a
‡*Stylosmilia gregorii* Wells, 1944a
- Family CALAMOPHYLLIDAE
- ‡*Brachyseris montemarina* Hamilton, 1956
‡*Brachyseris wellsii* Hamilton, 1956
‡*Epistreptophyllum boesei* (Wells, 1933)
‡*Epistreptophyllum shumardi* (Wells, 1933)
‡*Isastrea parva* Smith, 1927
‡*Latomeandra alaskana* (Smith, 1927)
‡*Ovalastrea fredericksburgensis* (Wells, 1933)
‡*Ovalastrea fredericksburgensis* var. *alta* (Wells, 1933)
‡*Ovalastrea pecosensis* (Wells, 1932)
- Family AGARICIIDAE
- †*Agaricia anguillensis* Vaughan, 1919
†*Agaricia dominicensis* Vaughan, 1919
Agaricia fragilis forma *contracta* Wells, 1973a
Agaricia grahamae Wells, 1973a
Agaricia lamarcki Milne Edwards and Haime, 1851a
‡*Centrastrea hilli* Wells, 1934
Coeloseris mayeri Vaughan, 1918
†*Coeloseris stockwelli* Hoffmeister, 1945
‡*Favioseris anomalos* Wells, 1934
Leptoseris digitata Vaughan, 1907a
Leptoseris foliosa Dinesen, 1980
Leptoseris glabra Dinesen, 1980
Leptoseris hawaiiensis Vaughan, 1907a
Leptoseris ? mycetoseroides Wells, 1954
Leptoseris papyracea (Dana, 1846)
Leptoseris paschalensis Wells, 1972
†*Leptoseris portoricensis* Vaughan, 1919
Leptoseris scabra Vaughan, 1907a
Leptoseris tubulifera Vaughan, 1907a
†*Leptoseris walli* Vaughan in Vaughan and Hoffmeister, 1926
Pachyseris levicollis (Dana, 1846)

- Pachyseris monticulosa* (Verrill, 1866a)
Pachyseris speciosa (Dana, 1846)
Pachyseris torresiana Vaughan, 1918
Pavona clavus (Dana, 1846)
Pavona clivosa (Verrill, 1969b)
Pavona complanata (Verrill, 1866a)
Pavona crassa var. *ascia* (Dana, 1846)
Pavona crassa var. *loculata* (Dana, 1846)
Pavona crassa var. *obtusata* (Dana, 1846)
Pavona danai (Milne Edwards and Haime, 1860)
Pavona decussata (Dana, 1846)
Pavona duerdeni Vaughan, 1907a
Pavona foliosa (Verrill, 1866a)
Pavona formosa (Dana, 1846)
Pavona gigantea (Verrill, 1869b)
Pavona lata (Dana, 1846)
†*Pavona machapooriensis* Vaughan in Vaughan and Hoffmeister, 1926
Pavona minuta Wells, 1954
†*Pavona ostergaardii* Hoffmeister, 1932
†*Pavona panamensis* Vaughan, 1919
†*Pavona pennyi* Vaughan in Vaughan and Hoffmeister, 1926
Pavona pollicata Wells, 1954
Pavona praetorta (Dana, 1846)
†*Pavona trinitatis* Vaughan in Vaughan and Hoffmeister, 1926
Pavona venusta (Dana, 1846)
†*Trochoseris meinzeri* Vaughan, 1919
‡*Vaughanoseris catadupensis* Wells, 1934
- Family SIDERASTREIDAE
- Coscinaraea columna* (Dana, 1846)
Coscinaraea exesa (Dana, 1846)
Coscinaraea fossata (Dana, 1846)
Coscinaraea marshae Wells, 1962
Coscinaraea mcneilli Wells, 1962
Coscinaraea wellsii Veron and Pichon, 1980
†*Pironastrea anguillensis* Vaughan, 1919
†*Pironastrea antiguensis* Vaughan, 1919
†*Siderastrea californica* Vaughan, 1917b
‡*Siderastrea cuyleri* Wells, 1932
†*Siderastrea dalli* Vaughan, 1919
†*Siderastrea hexagonalis* Vaughan, 1900a
†*Siderastrea hillsboroensis* Vaughan, 1919
†*Siderastrea mendenhalli* Vaughan, 1917b
†*Siderastrea mendenhalli* var. *minor* Vaughan, 1917b
†*Siderastrea monticuliformis* (Vaughan, 1900a)
†*Siderastrea pliocenica* Vaughan, 1919
†*Siderastrea scotica* Wells, 1945
Siderastrea siderea var. *dominicensis* Vaughan, 1919
†*Siderastrea silecensis* Vaughan, 1919
‡*Siderastrea tuckeriae* Wells, 1933
†*Siderastrea vancouverensis* Vaughan, 1923
†*Sideroseris durhami* Wells, 1945
- Family SYNASTREIDAE
- ‡*Synastrea ? adkinsi* Wells, 1934
- Family CYCLOLITIDAE
- ‡*Cyclolites jamaicaensis* Wells, 1934
‡*Paracycloseris elizabethae* Wells, 1934
- Family HAPLAREIDAE
- ‡*Diplaraea ? boltonae* Wells, 1934
- Family FUNGIIDAE
- Ctenactis crassa* (Dana, 1846)
Ctenactis ehrenbergii gigantea (Dana, 1846)
†*Discotrochus vaughanianus* Wells, 1945
Fungia confertifolia Dana, 1846
Fungia danae Milne Edwards and Haime, 1851a
Fungia dentata Dana, 1846
Fungia discus Dana, 1846
Fungia horrida Dana, 1846
†*Fungia japonica* Vaughan, 1906b
Fungia lacera Verrill, 1866a
Fungia madagascarensis Vaughan, 1906b
Fungia mexicana (Durham, 1947)
Fungia papillosa Verrill, 1866a
Fungia pulchella (Verrill, 1866a)
Fungia repanda Dana, 1846
Fungia samboangensis Vaughan, 1906b
Fungia tenuis Dana, 1846
Fungia vaughani Boschma, 1923
Halomitra clypeus Verrill, 1864
‡*Halomitra triadica* Smith, 1927
Herpolitha crassa (Dana, 1846)
Herpolitha stricta (Dana, 1846)
Lithactinia novaehiberniae Lesson, 1831
Polyphyllia galeriformis Dana, 1846
Polyphyllia pileiformis Dana, 1846
Zoopilus echinatus Dana, 1846
- Family FUNGIACYATHIDAE
- Fungiacyathus dennanti* Cairns and Parker, in press
†*Fungiacyathus euaensis* Wells, 1977
Fungiacyathus fissilis Cairns, 1984
Fungiacyathus granulatus Cairns, 1989
Fungiacyathus hawaiiensis (Vaughan, 1907a)
Fungiacyathus hydra Zibrowius and Gili, 1990
Fungiacyathus marenzelleri (Vaughan, 1906a)
Fungiacyathus turbinoloides Cairns, 1989
Fungiacyathus variegatus Cairns, 1989
- Family MICRABACIIDAE
- Leptopenus antarcticus* Cairns, 1989
‡*Micrabacia americana* Meek, 1876
‡*Micrabacia americana* var. *multicostata* Stephenson, 1917
‡*Micrabacia arkansasensis* Wells, 1933
‡*Micrabacia cribraria* Stephenson, 1917
‡*Micrabacia hilgardi* Stephenson, 1917
‡*Micrabacia hilgardi* var. *occidentalis* Wells, 1933
‡*Micrabacia marylandica* Stephenson, 1916

- ‡*Micrabacia mineolensis* Stephenson, 1917
 ‡*Micrabacia mississippiensis* Stephenson, 1917
 ‡*Micrabacia navarroensis* Wells, 1933
 ‡*Micrabacia rotatilis* Stephenson, 1916
 ‡*Micrabacia rotatilis* var. *georgiana* Stephenson, 1917
 ‡*Micrabacia stephensoni* Wells, 1933
 ‡*Micrabacia taylorensis* Wells, 1933
Rhombopsammia niphada Owens, 1986
Rhombopsammia squirei Owens, 1986
- Family MICROSOLENIIDAE
 ‡*Meandrophyllia cariacensis* Wells, 1944a
 ‡*Microsolena simondsi* (Wells, 1932)
 ‡*Microsolena williamsonensis* Wells, 1944b
- Family ACTINACIDIDAE
 †*Actinacis barretti* Wells, 1934
 †*Actinacis sawkinsi* Wells, 1934
 ‡*Actinacis valverdensis* Wells, 1933
 ‡*Dendraraea anzoateguensis* Wells, 1944a
- Family PORITIDAE
Alveopora allingi Hoffmeister, 1925
Alveopora catalai Wells, 1968
Alveopora explanata Hoffmeister, 1945
Alveopora fijiensis Hoffmeister, 1932
Alveopora ocellata Wells, 1954
Alveopora spongiosa Dana, 1846
 †*Alveopora tampae* Weisbord, 1973
Alveopora verrilliana Dana, 1872
 †*Goniopora aldrichi* Vaughan, 1941
 †*Goniopora canalis* Vaughan, 1919
 †*Goniopora christianaensis* (Wells, 1934)
Goniopora columna Dana, 1846
 †*Goniopora decaturensis* Vaughan, 1919
 †*Goniopora decaturensis* var. *bainbridgensis* Vaughan, 1919
 †*Goniopora decaturensis* var. *silicensis* Vaughan, 1919
Goniopora djiboutiensis Vaughan, 1907b
 †*Goniopora hedbergi* Wells, 1945
 †*Goniopora hilli* Vaughan, 1919
 †*Goniopora imperatoris* Vaughan, 1919
 †*Goniopora jacobiana* Vaughan, 1919
Goniopora muscosa Wells, 1954
 †*Goniopora panamensis* Vaughan, 1919
Goniopora pulvinula Wells, 1954
Goniopora somaliensis Vaughan, 1907b
Goniopora stutchburyi Wells, 1955
 †*Goniopora tampaensis* Weisbord, 1973
Goniopora traceyi Wells, 1954
 ‡*Goniopora trechmanni* Wells, 1934
Porites andrewsi Vaughan, 1918
Porites australiensis Vaughan, 1918
 †*Porites ballistensis* (Weisbord, 1973)
 †*Porites baracoensis* Vaughan, 1919
 †*Porites baracoensis* var. *matanzasensis* Vaughan, 1919
Porites bernardi Vaughan, 1907a
Porites branneri Rathbun, 1888
Porites brighami Vaughan, 1907a
 †*Porites carrizensis* Vaughan, 1917b
 †*Porites cascadenis* (Vaughan, 1919)
 †*Porites clevei* (Vaughan, 1919)
Porites cocosensis Wells, 1950
Porites colonensis Zlatarski, 1990
Porites compressa Dana, 1846
Porites compressa forma *abacus* Vaughan, 1907a
Porites compressa forma *angustisepta* Vaughan, 1907a
Porites compressa forma *angustisepta* subforma *delicatula* Vaughan, 1907a
Porites compressa forma *angustisepta* subforma *paucispina* Vaughan, 1907a
Porites compressa forma *breviramosa* Vaughan, 1907a
Porites compressa forma *clavus* Vaughan, 1907a
Porites compressa forma *compacta* Vaughan, 1907a
Porites compressa forma *conjungens* Vaughan, 1907a
Porites compressa forma *densimurata* Vaughan, 1907a
Porites compressa forma *divaricans* Vaughan, 1907a
Porites compressa forma *fragilis* Vaughan, 1907a
Porites compressa forma *granimurata* Vaughan, 1907a
Porites compressa forma *pilosa* Vaughan, 1907a
Porites compressa forma *profundacalyx* Vaughan, 1907a
Porites compressa forma *profundorum* Vaughan, 1907a
Porites compressa forma *tumida* Vaugahn, 1907a
Porites cribripora Dana, 1846
Porites cylindrica Dana, 1846
Porites densa Vaughan, 1918
 †*Porites douvillei* Vaughan, 1919
Porites duerdeni Vaughan, 1907a
Porites erosa Dana, 1846
Porites evermanni Vaughan, 1907a
Porites faustinoi Hoffmeister, 1925
Porites favosa Dana, 1846
 †*Porites floridaeprima* Weisbord, 1973
Porites fragosa Dana, 1846
Porites gibsonhilli Wells, 1950
Porites haddoni Vaughan, 1918
Porites hawaiiensis Vaughan, 1907a
Porites horizontalata Hoffmeister, 1925
 †*Porites howei* Vaughan, 1919
Porites lichen Dana, 1846
Porites limosa Dana, 1846
Porites lobata Dana, 1846
Porites lobata forma *aperta* Vaughan, 1907a
Porites lobata forma *centralis* subforma *alpha* Vaughan, 1907a
Porites lobata forma *centralis* subforma *beta* Vaughan, 1907a
Porites lobata forma *centralis* subforma *gamma* Vaughan, 1907a

- Porites lobata* forma *centralis* subforma *delta*
Vaughan, 1907a
- Porites lobata* forma *centralis* subforma *epsilon*
Vaughan, 1907a
- Porites lobata* forma *infundibulum* Vaughan, 1907a
- Porites lobata* forma *lacera* Vaughan, 1907a
- Porites lobata* forma *nodulosa* Hoffmeister, 1925
- Porites lobata* forma *parvicalyx* Vaughan, 1907a
- †*Porites macdonaldi* Vaughan, 1919
- †*Porites matsoni* (Weisbord, 1973)
- Porites mayeri* Vaughan, 1918
- Porites monticulosa* Dana, 1846
- Porites mordax* Dana, 1846
- Porites mordax* var. *elongata* Dana, 1846
- Porites murrayensis* Vaughan, 1918
- Porites nigrescens* Dana, 1846
- Porites nigrescens* var. *mucronata* Dana, 1846
- Porites palmata* Dana, 1846
- †*Porites panamensis* Vaughan, 1919
- Porites paschalensis* Vaughan, 1906a
- †*Porites portoricensis* (Vaughan, 1919)
- Porites pukoensis* Vaughan, 1907a
- Porites reticulosa* Dana, 1846
- Porites studeri* Vaughan, 1907a
- Porites sverdrupi* Durham, 1947
- Porites tenuis* Verrill, 1866a
- †*Porites toulai* Vaughan, 1919
- †*Porites trinitatis* Vaughan in Vaughan and Hoffmeister, 1926
- †*Porites waylandi* Foster, 1986
- Family AMPHIASIREIDAE
- ‡*Budaia felixi* Wells, 1944a
- Family MONTLIVAUULTIIDAE
- ‡*Complexastrea borealis* (Smith, 1927)
- ‡*Dimorphastrea stantoni* Wells, 1933
- ‡*Margarastrea pulchra* Montanaro Gallitelli in Montanaro Gallitelli, Russo, and Ferrari, 1979
- ‡*Montlivaultia martini* Smith, 1927
- ‡*Thecosmilia cumanensis* Wells, 1944a
- ‡*Thecosmilia wrangelliana* Russo in Montanaro Gallitelli, Russo, and Ferrari, 1979
- Family FAVIIDAE
- †*Agathiphyllia belli* (Vaughan, 1919)
- †*Agathiphyllia browni* (Vaughan, 1919)
- †*Agathiphyllia hilli* (Vaughan, 1919)
- †*Agathiphyllia splendens* (Vaughan, 1919)
- †*Antiguastrea cellulosa* var. *silicensis* Vaughan, 1919
- †*Antillophyllia sawkinsi* (Vaughan in Vaughan and Hoffmeister, 1926)
- ‡*Axosmilia craginiana* (Wells, 1933)
- †*Barbadiastrea favioides* Wells, 1945
- ‡*Blothrocyathus harrisi* Wells, 1932
- Caulastraea distorta* Dana, 1846
- Caulastraea furcata* Dana, 1846
- ‡*Cladophyllia stewartiae* Wells, 1944a
- †*Cladocora johnsoni* Gane, 1895
- Cladocora pacifica* Cairns, 1991
- †*Colpophyllia willoughbiensis* (Vaughan, 1919)
- Cyphastrea agassizi* (Vaughan, 1907a)
- Cyphastrea danai* Milne Edwards and Haime, 1857
- †*Cyphastrea vaughani* Hoffmeister, 1932
- Diploastrea glaucopsis* (Dana, 1846)
- Diploastrea patula* (Dana, 1846)
- Diploastrea polygonalis* var. *lauensis* Hoffmeister, 1945
- ‡*Diploastrea ? vaughani* Wells, 1933
- †*Diploria antiguensis* (Vaughan, 1919)
- †*Diploria bowersi* (Vaughan, 1917b)
- †*Diploria dumblei* (Vaughan, 1919)
- †*Diploria euaensis* (Hoffmeister, 1932)
- Diploria mammosa* (Dana, 1846)
- †*Diploria portoricensis* (Vaughan, 1919)
- Diploria strigosa* (Dana, 1846)
- Echinopora horrida* Dana, 1846
- Echinopora reflexa* Dana, 1846
- Echinopora undulata* Dana, 1846
- Erythrastrea flabellata* Scheer and Pillai, 1983
- Favia armata* (Verrill, 1872)
- Favia cellulosa* (Verrill, 1872)
- Favia danai* Milne Edwards and Haime, 1857
- Favia fragilis* (Dana, 1846)
- Favia helianthoides* Wells, 1954
- Favia hombroni* (Rousseau, 1854)
- Favia laddi* (Wells, 1954)
- †*Favia macdonaldi* Vaughan, 1919
- Favia matthaii* Vaughan, 1918
- Favia pallida* (Dana, 1846)
- Favia pandanus* (Dana, 1846)
- †*Favia pseudostelligera* Hoffmeister, 1932
- Favia puteolina* Dana, 1846
- Favia putnami* (Verrill, 1872)
- Favia speciosa* (Dana, 1846)
- Favia stelligera* (Dana, 1846)
- Favia stelligera* var. *fanningensis* Vaughan, 1918
- Favites filicosa* (Dana, 1846)
- Favites flexuosa* (Dana, 1846)
- †*Favites magna* Hoffmeister, 1932
- †*Favites mexicana* Vaughan, 1919
- Favites robusta* (Dana, 1846)
- Favites russelli* (Wells, 1954)
- Favites virens* (Dana, 1846)
- †*Favites yborensis* Weisbord, 1973
- Goniastrea aspera* Verrill, 1866a
- Goniastrea benhami* Vaughan, 1917a
- †*Goniastrea canalis* Vaughan, 1919
- Goniastrea cerium* (Dana, 1846)
- Goniastrea eximia* (Dana, 1846)
- Goniastrea favistella* (Dana, 1846)

- Goniastrea favulus* (Dana, 1846)
Goniastrea parvistella (Dana, 1846)
Goniastrea sinuosa (Dana, 1846)
Goniastrea spectabilis (Verrill, 1872)
†*Goniastrea trinitatis* Vaughan in Vaughan and Hoffmeister, 1926
Hydnophora majori Hoffmeister, 1925
Hydnophora rigida (Dana, 1846)
Leptastrea hawaiiensis Vaughan, 1907a
Leptastrea hawaiiensis (Vaughan, 1907a)
Leptastrea pulchra (Dana, 1846)
Leptastrea purpurea (Dana, 1846)
Leptoria gracilis (Dana, 1846)
†*Leptoria setchelli* Hoffmeister, 1932
†*Leptoria spenceri* Vaughan, 1919
Leptoria tenuis (Dana, 1846)
†*Montastraea antilliana* Wells, 1945
†*Montastraea bainbridgensis* (Vaughan, 1919)
†*Montastraea canalis* (Vaughan, 1919)
Montastraea cavernosa var. *hirta* (Verrill, 1901)
Montastraea coronata (Dana, 1846)
†*Montastraea cumutensis* (Hoffmeister in Vaughan and Hoffmeister, 1926)
Montastraea curta (Dana, 1846)
‡*Montastraea edwardsensis* (Wells, 1933)
†*Montastraea fijiensis* (Hoffmeister, 1945)
Montastraea hispidula (Verrill, 1901)
†*Montastraea imperatoris* (Vaughan, 1919)
†*Montastraea laddi* (Hoffmeister, 1932)
†*Montastraea lauensis* (Hoffmeister, 1945)
†*Montastraea limbata* var. *pennyi* (Vaughan in Vaughan and Hoffmeister, 1926)
†*Montastraea mansfieldi* (Hoffmeister, 1932)
‡*Montastraea menardi* Hamilton, 1956
†*Montastraea parksi* (Hoffmeister, 1932)
†*Montastraea pecosensis* (Wells, 1933)
†*Montastraea ramea* (Duncan, 1864)
†*Montastraea roxboroughi* (Vaughan, 1919)
‡*Montastraea schindewolfi* (Wells, 1934)
†*Montastraea sculpta* var. *tegula* (Duncan, 1863)
†*Montastraea sukunai* (Hoffmeister, 1945)
†*Montastraea tampaensis* (Vaughan, 1919)
†*Montastraea tampaensis* var. *silecensis* (Vaughan, 1919)
†*Montastraea texana* (Vaughan, 1903b)
†*Montastraea tongensis* (Hoffmeister, 1932)
†*Montastraea travisensis* (Wells, 1932)
†*Montastraea trinitatis* (Vaughan in Vaughan and Hoffmeister, 1926)
‡*Ogilviastraea ? richardsi* (Wells, 1933)
Platygyra rustica (Dana, 1846)
Plesiastraea gravieri (Vaughan, 1918)
Plesiastraea lilli Wells, 1954
‡*Rhabdophyllia quaylei* Wells, 1934
†*Solenastrea fairbanksi* (Vaughan, 1900a)
†*Solenastrea fairbanksi* var. *minor* Vaughan, 1917b
†*Solenastrea fairbanksi* var. *normalis* Vaughan, 1917b
†*Solenastrea globosa* (Duncan, 1864)
†*Solenastrea tampae* (Weisbord, 1973)
†*Thysanus hayesi* Vaughan, 1919
Trachyphyllia amarantum (Dana, 1846)
†*Trachyphyllia bullbrookii* (Hoffmeister in Vaughan and Hoffmeister, 1926)
- Family RHIZANGIIDAE
- Astrangia atrata* (Dennant, 1906)
Astrangia braziliensis Vaughan, 1906c
†*Astrangia coaligensis* Vaughan, 1909
†*Astrangia expansa* Vaughan, 1900a
†*Astrangia floridana* (Gane, 1895)
†*Astrangia harrisi* Vaughan, 1900a
‡*Astrangia lamarensis* Wells, 1947
†*Astrangia ludoviciana* Vaughan, 1900a
Astrangia michelinii Milne Edwards and Haime, 1848b
Astrangia poculata (Ellis and Solander, 1786)
Astrangia rathbuni Vaughan, 1906c
Astrangia solitaria var. *portoricensis* Vaughan, 1901a
†*Astrangia wilcoxensis* Vaughan, 1900a
Culicia hoffmeisteri Squires, 1966
Culicia stellata Dana, 1846
Culicia tenella Dana, 1846
Culicia truncata Dana, 1846
‡*Hindeastraea collinensis* Hoffmeister, 1929b
‡*Hindeastraea discoidea* White, 1888
†*Phyllangia blakei* Wells, 1947
†*Septastrea ? kerioides* Vaughan and Popenoe, 1935
†*Septastrea matsoni* Vaughan, 1919
- Family OCULINIDAE
- Archelia horrescens* (Dana, 1846)
†*Archohelia barbadiana* Wells, 1945
‡*Archohelia dartoni* Wells, 1933
†*Archohelia gardnerae* Vaughan, 1941
†*Archohelia limonensis* Vaughan, 1919
Archohelia rediviva Wells and Alderslade, 1979
†*Archohelia vernonensis* Vaughan, 1941
†*Astrohelia burnsi* (Vaughan, 1900a)
†*Astrohelia neglecta* Vaughan, 1900a
Galaxea clavus (Dana, 1846)
Galaxea hystrix (Dana, 1846)
Galaxea lauensis Hoffmeister, 1945
Madrepora galapagensis Vaughan, 1906a
Madrepora kauaiensis Vaughan, 1907a
†*Madrepora natchitochensis* (Vaughan, 1900a)
†*Oculina alabamensis* Vaughan, 1900a
†*Oculina aldrichi* Vaughan, 1900a
†*Oculina harrisi* Vaughan, 1900a
‡*Oculina hobleyi* Thomas, 1948
Oculina pallens Ehrenberg, 1834
Oculina profunda Cairns, 1991

- †*Oculina singleyi* Vaughan, 1900a
 †*Oculina smithi* Vaughan, 1900a
 Family MEANDRINIDAE
 †*Dichocoenia alabamensis* Vaughan, 1900a
 †*Dichocoenia caloosahatcheensis* Weisbord, 1974
 †*Dichocoenia emūnens* Weisbord, 1974
 †*Dichocoenia merriami* (Vaughan, 1900a)
 †*Dichocoenia merriami* var. *crassisepta* Vaughan, 1917b
 ‡*Dichocoenia trechmanni* Wells, 1934
 †*Dichocoenia tuberosa* Duncan, 1863
Meandrina memorialis (Wells, 1974b)
Meandrina spinulosa (Dana, 1846)
 Family MERULINIDAE
Merulina crispera Dana, 1846
Merulina laxa Dana, 1846
Merulina regalis Dana, 1846
Merulina scabricula Dana, 1846
Merulina speciosa Dana, 1846
 Family MUSSIDAE
Acanthastraea echinata (Dana, 1846)
Blastomussa merleti (Wells, 1961)
Lobophyllia costata (Dana, 1846)
Lobophyllia cytherea (Dana, 1846)
Lobophyllia multilobata (Dana, 1846)
Mussa cactus Dana, 1846
Mussa cerebriformis Dana, 1846
Mycetophyllia aliciae Wells, 1973a
 †*Mycetophyllia bullbrooki* Vaughan in Vaughan and Hoffmeister, 1926
Mycetophyllia ferox Wells, 1973a
Mycetophyllia reesi Wells, 1973a
Symphyllia recta (Dana, 1846)
 †*Syzygophyllia hayesi* Vaughan, 1919
 †*Syzygophyllia tampae* Weisbord, 1973
 ‡*Trochosmia moorei* Wells, 1933
 ‡*Trochosmia stainbrooki* Wells, 1933
 Family PECTINIIDAE
Pectinia paeonia (Dana, 1846)
Mycidium tubifex (Dana, 1846)
 Family ANTHEMIPHYLLIIDAE
 †*Anthemiphyllia catinata* Wells, 1977
Anthemiphyllia pacifica Vaughan, 1907a
 Family CARYOPHYLLIIDAE
Anomocora carinata Cairns, 1991
 †*Anomocora exilis* Wells, 1977
 †*Antillocyathus alatus* Cairns and Wells, 1987
 †*Antillocyathus cristatus* (Vaughan in Vaughan and Hoffmeister, 1925)
 †*Antillocyathus maoensis* (Vaughan in Vaughan and Hoffmeister, 1925)
 †*Antillocyathus trinitatis* Vaughan in Vaughan and Hoffmeister, 1926
 †*Asterosmia hilli* Vaughan, 1919
 †*Asterosmia machapooriensis* Hoffmeister in Vaughan and Hoffmeister, 1926
 †*Asterosmia trinitatis* Vaughan in Vaughan and Hoffmeister, 1926
Australocyathus vincentinus (Dennant, 1906)
 ‡*Bathycyathus ? leithensis* Vaughan, 1920
 ‡*Bathycyathus ? manorensis* (Wells, 1933)
 †*Bathycyathus ? pulchra* (Vaughan, 1900a)
Bourneotrochus stellulatus (Cairns, 1984)
Bourneotrochus veroni Wells, 1984
Caryophyllia alaskensis Vaughan, 1941
Caryophyllia alcocki Vaughan, 1907a
Caryophyllia ambrosia caribbeana Cairns, 1979
 †*Caryophyllia arnoldi* Vaughan, 1900b
Caryophyllia balaenacea Zibrowius and Gili, 1990
 †*Caryophyllia californica* Vaughan, 1903a
 †*Caryophyllia colei* Wells, 1945
 †*Caryophyllia constricta* Vaughan and Popenoe, 1935
Caryophyllia corrugata Cairns, 1979
 †*Caryophyllia dalli* Vaughan, 1900a
 †*Caryophyllia denaria* Wells, 1977
Caryophyllia diomedea Marenzeller, 1904
 †*Caryophyllia dumblei* Vaughan and Popenoe, 1935
 ‡*Caryophyllia egeria* White, 1879
Caryophyllia eltaninae Cairns, 1982a
Caryophyllia hawaiiensis Vaughan, 1907a
Caryophyllia horologium Cairns, 1977c
 ‡*Caryophyllia johannis* White, 1879
Caryophyllia mabahithi Gardiner and Waugh, 1938
Caryophyllia marmorea Cairns, 1984
 †*Caryophyllia mediavia* Vaughan and Popenoe, 1935
 ‡*Caryophyllia mississippiensis* Wells, 1933
Caryophyllia octopali Vaughan, 1907a
Caryophyllia octopali var. *incerta* Vaughan, 1907a
Caryophyllia parvula Cairns, 1979
 †*Caryophyllia pedroensis* Vaughan, 1903a
Caryophyllia perculata Cairns, 1991
Caryophyllia planilamellata Dennant, 1906
Caryophyllia solida Cairns, 1991
Caryophyllia squiresi Cairns, 1982a
 ‡*Caryophyllia stephensoni* Wells, 1933
 †*Caryophyllia texana* Vaughan, 1900a
Caryophyllia valdiviae Zibrowius and Gili, 1990
Caryophyllia zopyros Cairns, 1979
Ceratotrochus laxus Vaughan, 1907a
 †*Ceratotrochus putillus* Wells, 1945
Coenocyathus bowersi Vaughan, 1906c
Coenosmia inordinata Cairns, 1984
Concentrotheca vaughani Cairns, 1991
Crispatotrochus diomedea (Vaughan, 1907a)
Crispatotrochus galapagensis Cairns, 1991
Crispatotrochus irregularis (Cairns, 1982a)
 †*Crispatotrochus periallus* (Squires, 1962)
Crispatotrochus squiresi (Cairns, 1979)

- †*Crispatotrochus tenisonwoodsii* Wells, 1977
Crispatotrochus woodsii (Wells, 1964a)
‡*Dasmomilia reesidei* Wells, 1933
Deltocyathus eccentricus Cairns, 1979
†*Deltocyathus heteroclitus* Wells, 1984
Deltocyathus moseleyi Cairns, 1979
Deltocyathus orientalis (Vaughan, 1900b)
Deltocyathus pourtalesii Cairns, 1979
†*Desmophyllum coulsoni* Wells, 1977
†*Desmophyllum decuplum* Wells, 1977
†*Desmophyllum lirioides* Wells, 1977
Desmophyllum striatum Cairns, 1979
Euphyllia meandrina Dana, 1846
Euphyllia rugosa Dana, 1846
†*Eusmilia carrizensis* Vaughan, 1917b
Eusmilia fastigiata forma *flabellata* Wells, 1973a
†*Goniocorella eguchii* Wells, 1977
Labyrinthocyathus facetus Cairns, 1979
†*Labyrinthocyathus kondoi* (Wells, 1977)
Labyrinthocyathus langae Cairns, 1979
Labyrinthocyathus limatulus (Squires, 1964)
†*Lochmaeotrochus micrommatus* Squires, 1962
Labyrinthocyathus quaylei (Durham, 1947)
‡*Lophosmilia fundimaritima* Hamilton, 1956
Oxysmilia portoricensis (Vaughan, 1901a)
Paraconotrochus zeidleri Cairns and Parker, in press
†*Paracyathus alternatus* Vaughan, 1900a
†*Paracyathus bastropensis* Vaughan and Popenoe, 1935
†*Paracyathus bellus* Vaughan, 1900a
†*Paracyathus cylindricus* Vaughan, 1900a
†*Paracyathus granulatus* Vaughan, 1900a
‡*Paracyathus kayserensis* Vaughan, 1920
‡*Paracyathus lloydi* Vaughan, 1920
†*Paracyathus marylandicus* Vaughan, 1901b
Paracyathus molokensis Vaughan, 1907a
†*Paracyathus pedroensis* Vaughan, 1903a
†*Paracyathus rugosus* Vaughan, 1900a
†*Paracyathus sinuosus* Cairns and Wells, 1987
‡*Paracyathus thomi* Vaughan, 1920
†*Paracyathus vaughani* Gane, 1895
‡*Parasmilia graysonensis* Wells, 1933
†*Parasmilia ludoviciana* Vaughan, 1900a
‡*Parasmilia texana* Vaughan, 1903b
Physogyra gravieri Vaughan, 1907b
Physogyra somaliensis Vaughan, 1907b
‡*Platycyathus scottianus* Wells, 1933
Polycyathus isabela Wells, 1982
Pourtalesmilia conferta Cairns, 1978a
Premocyathus burchae Cairns, 1984
Rhizosmilia bartschi (Wells, 1947)
Rhizosmilia gerdae Cairns, 1978b
Stephanocyathus laevifundus Cairns, 1977b
Stephanocyathus paliferus Cairns, 1977b
‡*Smilotrochus palmerae* (Wells, 1933)
Tethocyathus variabilis Cairns, 1979
Thalamophyllia gombergi Cairns, 1979
Trochocyathus aithoseptatum Cairns, 1984
†*Trochocyathus californianus* Verrill, 1900a
†*Trochocyathus chevalieri* Cairns and Wells, 1987
†*Trochocyathus cingulatus* Vaughan, 1900a
†*Trochocyathus coloradoensis* Vaughan and Popenoe, 1935
‡*Trochocyathus dakotaensis* Vaughan, 1920
†*Trochocyathus depressus* Vaughan, 1900a
†*Trochocyathus duncani* Cairns and Wells, 1987
Trochocyathus fasciatus Cairns, 1979
Trochocyathus fossulus Cairns, 1979
Trochocyathus gardineri (Vaughan, 1907a)
‡*Trochocyathus gardnerae* Wells, 1933
†*Trochocyathus hyatti* Vaughan, 1900a
†*Trochocyathus lunulitiformis* var. *montgomeriensis* Vaughan, 1900a
‡*Trochocyathus matleyi* Wells, 1934
Trochocyathus mauiensis (Vaughan, 1907a)
‡*Trochocyathus mississippiensis* Wells, 1933
‡*Trochocyathus ? neumani* Vaughan, 1920
Trochocyathus oahensis Vaughan, 1907a
†*Trochocyathus powelli* Squires, 1962
‡*Trochocyathus sellardsi* Wells, 1933
‡*Trochocyathus sellardsi* var. *graysonensis* Wells, 1933
†*Trochocyathus stantoni* Vaughan, 1900a
‡*Trochocyathus taylorensis* Wells, 1933
Trochocyathus tenuicalyx (Vaughan, 1907a)
†*Trochocyathus uber* Vaughan and Popenoe, 1935
‡*Trochocyathus vaughani* Stephenson, 1916
‡*Trochocyathus wintoni* Wells, 1933
- Family TURBINOLIIDAE
Cryptotrochus carolinensis Cairns, 1988a
Endocyathopora laticostata Cairns, 1989
Idiotrochus emarcicatus var. *peregrina* (Dennant, 1906)
†*Koilotrochus elegans* (Vaughan, 1900a)
Oryzotrochus stephensoni Wells, 1959
Platyrochus laevigatus Cairns and Parker, in press
Platyrochus parseptatus Cairns and Parker, in press
†*Platyrochus primaevus* Vaughan and Popenoe, 1935
†*Sphenotrochus brassensis* Vaughan in Vaughan and Hoffmeister, 1926
†*Sphenotrochus claibornensis* Vaughan, 1900a
†*Sphenotrochus fragarioides* Wells, 1945
Sphenotrochus ralphae Squires, 1964
†*Sphenotrochus senni* Wells, 1945
†*Sphenotrochus trinitatis* Vaughan in Vaughan and Hoffmeister, 1926
Thrypticotrochus multilobatus Cairns, 1989
Trematotrochus alternans Cairns and Parker, in press
†*Turbinolia acuticostata* Vaughan, 1895
†*Turbinolia barbadensis* Wells, 1945
†*Turbinolia barbadensis* var. *crassicostata* Wells, 1945

- †*Turbinolia claibornensis* Vaughan, 1900a
 †*Turbinolia clarki* Quayle, 1932
 †*Turbinolia insignifica* Vaughan, 1900a
 ‡*Turbinolia texana* Conrad, 1857
 †*Turbinolia wautubbeensis* Vaughan, 1900a

Family FLABELLIDAE

- †*Flabellum antillarum* Wells, 1945
Flabellum aotearoa Squires, 1964
Flabellum areum Cairns, 1982a
 †*Flabellum californicum* Vaughan, 1900a
 †*Flabellum conoideum* Vaughan, 1900a
 †*Flabellum conoideum* var. *matthewsense* Vaughan, 1900a
 †*Flabellum cuneiforme* var. *acutiforme* Vaughan, 1900a
 †*Flabellum cuneiforme* var. *fragile* Vaughan, 1900a
 †*Flabellum cuneiforme* var. *magnocostatum* Vaughan, 1900a
Flabellum flexuosum Cairns, 1982a
Flabellum fragile Cairns, 1977c
Flabellum gardineri Cairns, 1982a
Flabellum goodei Verrill, 1878
Flabellum hoffmeisteri Cairns and Parker, in press
 †*Flabellum lerchi* Vaughan, 1900a
Flabellum lowekeyesi Squires and Ralph, 1965
Flabellum marenzelleri Cairns, 1989
 †*Flabellum mortoni* Vaughan, 1900a
Flabellum pavoninum atlanticum Cairns, 1979
Flabellum politum Cairns, 1989
 †*Flabellum rhomboideum* Vaughan, 1900a
Flabellum sexcostatum Cairns, 1989
 †*Flabellum texense* Vaughan and Popenoe, 1935
Flabellum tuthilli Hoffmeister, 1933
 †*Flabellum vanuatu* Wells, 1984
Flabellum vaughani Cairns, 1984
Gardineria hawaiiensis Vaughan, 1907a
Gardineria minor Wells, 1973a
Gardineria philippinensis Cairns, 1989
 †*Javania duncani* Wells, 1977
Javania galapagensis (Vaughan, 1906a)
Javania nobile (Verrill, 1885)
Placotrochides frusta Cairns, 1979
Placotrochus fuscus Vaughan, 1907a
Polymyces montereyense (Durham, 1947)
Polymyces wellsi Cairns, 1991
Truncatoflabellum candeanum (Milne Edwards and Haime, 1848a)
Truncatoflabellum carinatum Cairns, 1989
Truncatoflabellum cumingii (Milne Edwards and Haime, 1848a)
Truncatoflabellum formosum Cairns, 1989
Truncatoflabellum incrustatum Cairns, 1989
Truncatoflabellum pusillum Cairns, 1989
Truncatoflabellum spheniscus (Dana, 1846)
Truncatoflabellum truncum (Cairns, 1982a)

Family GUYNIIDAE

- ‡*Stenocyathus alabamiensis* Wells, 1947
 †*Stenocyathus hoffmeisteri* Wells, 1977
Truncatogynia irregularis Cairns, 1989

Family DENDROPHYLLIIDAE

- †*Balanophyllia annularis* Vaughan, 1900a
 †*Balanophyllia augustinensis* Vaughan, 1900a
Balanophyllia bayeri Cairns, 1979
Balanophyllia caribbeana Cairns, 1977a
 †*Balanophyllia caulifera* var. *multigranosa* Vaughan, 1900a
 †*Balanophyllia clarendonensis* (Wells, 1934)
 †*Balanophyllia cornu* Sokolow, 1894
Balanophyllia desmophyllioides Vaughan, 1907a
 †*Balanophyllia desmophyllum* var. *microcostata* Vaughan, 1900a
Balanophyllia dineta Cairns, 1977a
Balanophyllia diomedea Vaughan, 1907a
Balanophyllia diomedea var. *mauiensis* Vaughan, 1907a
Balanophyllia eguchii Wells, 1982
 †*Balanophyllia elongata* Vaughan, 1900a
Balanophyllia galapagensis Vaughan, 1906a
Balanophyllia grandis Cairns, 1977a
Balanophyllia hadros Cairns, 1979
Balanophyllia hawaiiensis Vaughan, 1907a
 †*Balanophyllia inauris* Vaughan, 1900a
 †*Balanophyllia irrorata* var. *coniformis* Vaughan, 1900a
Balanophyllia laysanensis Vaughan, 1907a
 †*Balanophyllia pittieri* Vaughan, 1919
 †*Balanophyllia ponderosa* Vaughan, 1900a
 †*Balanophyllia ponderosa* var. *texana* Vaughan and Popenoe, 1935
Balanophyllia scabrosa (Dana, 1846)
Balanophyllia wellsi Cairns, 1977a
Cladopsammia echinata Cairns, 1984
Dendrophyllia alcocki (Wells, 1954)
 †*Dendrophyllia araguensis* Wells, 1944a
Dendrophyllia danae Verrill, 1872
Dendrophyllia diaphana Dana, 1846
Dendrophyllia hannibali Nomland, 1916
Dendrophyllia johnsoni Cairns, 1991
Dendrophyllia laboreli Zibrowius and Brito, 1984
 †*Dendrophyllia lisbonensis* Vaughan, 1900a
Dendrophyllia nigrescens Dana, 1846
Dendrophyllia oahensis Vaughan, 1907a
Dendrophyllia serpentina Vaughan, 1907a
 †*Dendrophyllia striata* Vaughan, 1900a
Enallopsammia adminicularis (Rehberg, 1892)
Enallopsammia amphelioides var. *cucullata* (Vaughan, 1907a)
 †*Enallopsammia laddi* Wells, 1977
 †*Endopachys claibornensis* (Vaughan, 1900a)
 †*Endopachys lonsdalei* Vaughan, 1900a

- †*Endopachys maclurii* (Lea, 1833)
†*Endopachys minutum* Vaughan, 1900a
Endopachys oahense Vaughan, 1907a
†*Endopachys tampae* Wells, 1975
Heteropsammia gemminata Verrill, 1870
Heteropsammia moretonensis Wells, 1964a
Leptopsammia queenslandiae Wells, 1964a
Leptopsammia trinitatis Hubbard and Wells, 1986
Notophyllia etheridgi Hoffmeister, 1933
Rhizopsammia chamissoi Wells, 1954
Rhizopsammia minuta var. *bikiniensis* Wells, 1954
- Rhizopsammia wellingtoni* Wells, 1982
Tubastraea faulkneri Wells, 1982
Tubastraea floreana Wells, 1982
Tubastraea pedersenii (Verrill, 1869b)
Tubastraea tagusensis Wells, 1982
†*Turbinaria alabamensis* Vaughan, 1900a
Turbinaria brassica (Dana, 1846)
Turbinaria frondens (Dana, 1846)
Turbinaria heronensis Wells, 1959
Turbinaria sinensis Verrill, 1866a
‡*Wadeopsammia nodosa* (Wade, 1926)

Annotated Alphabetic List of Stony Coral Types Deposited in the National Museum of Natural History

Part 1. Hydrozoa (Milleporidae, Stylasteridae)

acrolophos, *Lepidopora* Cairns, 1983a

H: 60189, *Eltanin*-1536, 1 col.; P: 60134, *Eltanin*-1536, 2 frag., SEM stub 43.—Recent.

adeta, *Conopora* Cairns, 1987

P: 76299, *Soela*-25, 5 col. (3 in alcohol), SEM stub 433.—Recent.

affinis, *Crypthelia* Moseley, 1881

S: 85787, *Challenger*-3, 1 branch (ex BM 1880.11.25.188).—Recent.

alaskanus, *Stylaster gemmascens* Fisher, 1938

H: 43269, *Albatross*-3480, 1 male col.; P: 86006, *Albatross*-3480, 4 female branches.—Recent.

altispina, *Errina* Cairns, 1986a

H: 71777, *Pillsbury*-595, 1 female col., SEM stub 268; P: 71778, *Pillsbury*-595, 1 male col., 2 branches, SEM stub 225; P: 71780, *Gerda*-889, 5 female col., 6 branches, SEM stub 283; P: 71779, *Albatross*-2354, 1 col.—Recent.

altus forma, *Stylaster eximius* Hickson and England, 1905

S: 76827, *Siboga*-303, 1 frag. (ex ZMA 7363); S: 76824, *Siboga*-303, 1 frag. (in alcohol), (ex ZMA 7363).—Recent.

amoena, *Errina* Boschma, 1956

H: 75605, China Sea, 1 branch (part of holotype, ex MNHNP), SEM stub 384.—Recent.

Remark: Junior synonym of *Errina dabneyi* Pourtalès, 1871 (see Cairns, 1983a).

amphelioides, *Stylaster* Kent, 1871

S: 85785, Cape of Good Hope, 1 col. (ex BM 1884.12.2.79).—Recent.

anceps, *Distichopora (Haplomerismos)* Cairns, 1978c

H: 56338, *Sango*-8, 1 col.; P: 56339, *Sango*-8, 2 col. (in alcohol), SEM stubs 123, 150B, 151, 179, 6 HSS.—Recent.

anomala, *Distichopora* Cairns, 1986a

H: 71768, *Blake*-241, 1 male col.; P: 71813, *Blake*-241, 1 col., 1 branch, SEM stub 263; P: 71769, *Blake*-166, 11 branches, SEM stub 264; P: 71770, *Blake*-232, 2 frag.; P: 71771, *Blake*-246, 2 col., 5 frag., SEM stub 280.—Recent.

antillarum, *Stylaster* Zibrowius and Cairns, 1982

P: 60350, *Blake*-216, 3 branches, SEM stubs 101, 111–113; P: 60349, *Blake*-219, 1 col., 2 branches, SEM stub 114A.—Recent.

atlantica, *Errina* Hickson, 1912b

S: 75609, *Talisman*-128, 1 branch (ex BM 1950.1.11.87).—Recent.

atlantica forma, *Stylaster eximius* Broch, 1936

S: 71824, *Culebra*, 1 branch, SEM stub 300 (ex ZMC).—

Recent.

Remark: Form elevated to species level by Cairns (1986a).

aurantiacus, *Stylaster* Cairns, 1986a

H: 71794, *Albatross*-2320, 1 male col.; P: 16009, *Albatross*-2320, 16 col., 46 branches (30 in alcohol), SEM stubs 246, 296; P: 16005, *Albatross*-2159, 4 branches; P: 16006, *Albatross*-2160, 3 col. (in alcohol); P: 52211, *Albatross*-2160, 9 col., 15 branches, SEM stub 247A; P: 52213, *Albatross*-2323, 3 col.; P: 52212, *Albatross*-2325, 2 col.; P: 16008, *Albatross*-2326, 3 col. (1 in alcohol), SEM stub 247B; P: 10161, *Albatross*-2330, 1 col.; P: 52214, *Albatross*-2333, 1 col.; P: 16007, *Albatross*-2334, 3 col., 2 branches; P: 16057, *Albatross* station unknown, 13 col., 8 branches, SEM stub 245, 3 HSS; P: 16010, *Albatross* station unknown, 4 col. (in alcohol).—Recent.

barbadensis, *Distichopora* Pourtalès, 1874

S: 71818, Sandy Bay, 1 col., SEM stub 265 (ex MCZ).—Recent.

balia, *Crypthelia* Hickson and England, 1905

S: 76820, *Siboga*-177, 1 frag. (in alcohol), (ex ZMA 7396).—Recent.

bellus, *Stylaster* Dana, 1846

S: 564, Paumotu (USEE), 1 col.—Recent.

bilobatus, *Stylaster* Hickson and England, 1905

S: 76862, *Siboga*-297, 1 frag. (ex ZMA).—Recent.

biserialis, *Lepidopora* Cairns, 1986a

H: 15988, *Albatross*-2336, 1 female col., SEM stub 227; P: 15996, *Albatross*-2167, 1 female col.; P: 16035, *Albatross*-2332, 1 col.; P: 60511, *Albatross*-2333, 1 col., 1 branch, SEM stub 284; P: 71755, *Gerda*-713, 3 col.; P: 60549, *Eastward*-26549, 2 frag.; P: no number, *Blake*-76, 3 HSS.—Recent.

borealis, *Distichopora* Fisher, 1938

H: 43274, *Albatross*-3480, 1 female col.; P: 76810, *Albatross*-3480, 5 col., 7 branches; P: 76375, *Albatross*-4781, 2 col., 2 branches.—Recent.

boschmai, *Errina* Cairns, 1983a

H: 52626, *Eltanin*-993, 1 col.; P: 52690 and 52631, *Eltanin*-993, 17 col. and over 100 branches, SEM stub 26A; P: 52627, *Eltanin*-415, 1 col., 5 branches, SEM stub 26B; P: 52630, *Eltanin*-418, 1 col. and 8 branches, SEM stub 27; P: 52629, *Eltanin*-671, 11 branches; P: 59919, *Eltanin*-684, 7 branches; P: 52628, *Eltanin*-732, 1 col., 8 branches; P: 59918, *Eltanin*-1536, 2 branches; P: 59914, *Islas Orcadas* 575-11, 5 branches (2 in alcohol); P: 59917, *Islas Orcadas* 575-12, 4 branches; P: 59920, *Islas Orcadas* 575-17, 3

- branches (2 in alcohol); P: 59913, *Islas Orcadas* 575-34, 7 branches; P: 59915, *Islas Orcadas* 575-90, 1 col., 6 branches (in alcohol); P: 59916, *Islas Orcadas* 575-91, 8 branches (5 in alcohol); P: 59921, *Islas Orcadas* 575-102, 2 branches (1 in alcohol); P: 59911, *Hero* 731-1884, 23 branches; P: 59912, *Hero* 731-1940, 20 frags., SEM stub 28; P: 52625, *Edisto* 38-21, 4 branches; P: 52624, *Eastwind* 66-6, 10 branches.—Recent.
- boschmai*, *Stenohelia* Wells, 1977
H: I208295, USGS 24686, 1 branch; P: I208296, USGS 24686, 2 frag.—Eocene.
- brochi*, *Allopora* Fisher, 1938
H: 43264, *Albatross*-4777, 1 col.—Recent.
Remark: Species subsequently transferred to *Stylaster* (see Cairns, 1983c)
- brochi*, *Lepidotheca* Cairns, 1986a
H: 71761, *Pillsbury*-954, 1 col., SEM stubs 260-261, 277; P: 71762, *Blake*-187, 1 col.; P: 71763, *Blake*-205, 1 col.—Recent.
- brunneus*, *Stylaster* Boschma, 1970
P: 76880, *Kuare* Id., 1 frag. (ex RMNH Coel. 6597).—Recent.
- californica*, *Allopora* Verrill, 1866a
S: 43280, California, 1 col. (ex YPM 447).—Recent.
Remark: Species subsequently transferred to *Stylaster* (see Cairns, 1983c).
- campyleca*, *Allopora* Fisher, 1938
H: 42870, *Albatross*-3480, 1 col.; P: 52262, 52265, and 58099, *Albatross*-3480, 3 col., 20 branches; P: 43767, *Albatross*-3480, 15 branches (in alcohol); P: 76813, *Albatross*-2858, 3 branches; P: 76814, *Albatross*-3599, 2 branches; P: 76816, *Albatross*-4302, 2 branches; P: 76815, *Albatross*-4230, 1 col.—Recent.
Remark: Species subsequently transferred to *Stylaster* by Cairns (1983c).
- cancellatus*, *Stylaster* Fisher, 1938
H: 43267, *Albatross*-3480, 1 female col.; P: 86005, *Albatross*-3480, 1 male col., 8 branches.—Recent.
- carinata*, *Heliopora* Pourtalès, 1867
N: 15991, *Albatross*-2319-50, 1 col., SEM stub 154.—Recent.
Remarks: Species subsequently transferred to *Lepidopora*. Neotype designated by Cairns (1986a).
- carnea*, *Errina* Boschma, 1965b
PL: 76876, NZOI A455, 1 branch (ex RMNH Coel. 13761).—Recent.
Remarks: Junior synonym of *Errina laterorifa* Eguchi, 1964. Paralectotype designated by Vervoort and Zibrowius (1981).
- cervicornis*, *Errina* (*Labiata*) Broch, 1942
S: no number, N. Cape, SEM stub 161 (ex ZMC).—Recent.
Remark: Species subsequently transferred to *Lepidotheca* (see Cairns, 1983c).
- cervina*, *Distichopora* Pourtalès, 1871
H: 71817, St. Thomas, frag. of holotype, SEM stub 262 (ex MCZ).—Recent.
- cestoporina*, *Errinopora* Cairns, 1983a
H: 60188, *Eltanin*-1593, 1 col.; P: 60141, *Eltanin*-1593, 4 frag., SEM stubs 51-52, 84B; P: 52655, 52654, *Eltanin*-740, 2 col., SEM stub 97B.—Recent.
- cheilopora*, *Errina* Cairns, 1983a
H: 59906, *Eltanin*-1975, 1 col.; P: 60076, *Eltanin*-1975, 2 col., SEM stubs 38, 39B; P: 59907, *Eltanin*-1411, 7 col., 10 branches, SEM stub 39A; P: 59909, *Eltanin*-1414, 1 col.; P: 59910, *Eltanin*-1851, 5 col., 12 branches, SEM stub 40A.—Recent.
- clausa*, *Crypthelia* Broch, 1947
S: 76872, *John Murray*-152, 1 cyclo-system (ex BM).—Recent.
- clavigera*, *Lepidopora* Cairns, 1986a
H: 60362, Pelican Id., 1 col.; P: 60363, Pelican Island, 1 frag., SEM stubs 95A, 153A; P: 71753, *Blake*-282, 1 frag., 3 HSS; P: 71754, *Blake*-300, 2 col.—Recent.
- cleithridium*, *Sporadopora* Squires, 1958
P: 68446, NZGS 5170, 1 frag.—U. Miocene.
Remark: Species transferred to *Axoporella* Boschma, 1954, by Squires (1962) and later to *Axopora* Milne Edwards and Haime, 1850, by Cairns (1983d).
- cochleata*, *Lepidopora* Pourtalès, 1867
S: 71820, *Corwin*-2, 1 col. (ex MCZ).—Recent.
Remark: Species subsequently transferred to *Errina* (see Cairns, 1986a).
- complanatus*, *Stylaster* Pourtalès, 1867
S: 71826, *Corwin*-2, 1 frag. (ex MCZ 5516).—Recent.
- concinna*, *Stenohelia* Boschma, 1964b
H: 60201, *Albatross*-4642, 1 male col.; P: 60202, *Albatross*-4642, 4 male and 1 female col.—Recent.
- contorta*, *Distichopora* Pourtalès, 1878
H: 71816, *Blake* station unknown, frag. of holotype (ex MCZ).—Recent.
- corallium*, *Stylaster* Cairns, 1986a
H: 71827, *Pillsbury*-924, 1 female col.; P: 71828, *Pillsbury*-924, 6 branches, SEM stub 306; P: 71835, *Pillsbury*-926, 1 col., 10 branches; P: 71836, *Blake*-290, 1 branch; P: 71829, *B-A* 64, 4 col. (2 in alcohol), 2 branches, SEM stub 243; P: 71830, *B-A* 70, 5 col. (4 in alcohol), 3 branches; P: 71831, *Oregon*-5000, 1 col.; P: 71832, *Oregon*-5933, 2 col., 9 branches, SEM stub 242; P: 71833, *Oregon*-5949, 2 col., 3 frag., SEM stubs 241, 285; P: 71834, *Oregon*-24273, 3 col., 5 branches (3 in alcohol), 4 HSS.—Recent.
- cruenta*, *Errina* Boschma, 1968b
P: 76879, NZOI D156, 18 frag. (ex RMNH 13755).—Recent.
- cryptocymas*, *Lepidopora* Cairns, 1985
P: 72342, NZOI E305, 2 branches, SEM stubs 347, 352; P: 72343, NZOI P458, 2 branches, SEM stub 353A; P: 72345, NZOI P559, 2 branches, SEM stub 353B; P: 72346, NZOI P561, 2 branches.—Recent.
- cryptotrema*, *Crypthelia* Zibrowius, 1981
H: 60270, *Vauban* HSP27, part of holotype; P: 60271,

- Vauban* HSP27, 1 col.—Recent.
- cyclopora*, *Errina* Cairns, 1983a
H: 60190, *Eltanin*-1592, 1 col.; P: 60139, *Eltanin*-1592, 4 col., 16 frag., SEM stubs 53–54; P: 60138, *Vema* 17-61, 2 col. and 6 frag.—Recent.
- cymas*, *Crypthelia* Cairns, 1986b
H: 72106, *Albatross*-2818, 1 male col.; P: 72107, *Albatross*-2818, 19 col., 40 branches (2 in alcohol), SEM stubs 315–316, 343, 3HSS.—Recent.
- dabneyi*, *Lepidopora* Pourtalès, 1871
S: 75608, Azores, 4 branches, SEM stubs 382–383 (ex MCZ).—Recent.
Remark: Species subsequently transferred to *Errina*.
- dactylopoma*, *Crypthelia* Cairns, 1986b
H: 72108, *Albatross*-2818, 1 male col.; P: 72109, *Albatross*-2818, 10 col. and 54 branches, SEM stubs 317–318.—Recent.
- decipiens*, *Errina* (*Lepidopora*) Boschma, 1964a
H: no number, *Blake*-164, SEM stub 120 (part of holotype, ex MCZ).—Recent.
Remark: Species subsequently considered to belong to *Lepidopora*.
- decipiens*, *Paraerrina* Broch, 1942
S: no number, Tombeau Bay, SEM stubs 149, 169, 9HSS (ex ZMC).—Recent.
- dendyi* facies, *Errina novaezelandiae* Hickson, 1912a
H: 85784, Milford Sound, frag. of holotype (ex BM 1964.9.17.1).—Recent.
- dentatus* facies, *Stylaster eximius* Hickson and England, 1905
S: 76825, *Siboga*-144, 2 branches (in alcohol) (ex ZMA 7365).—Recent.
Remark: Not *Stylaster dentatus* Broch, 1936.
- diffusa*, *Errina* (*Lepidopora*) Boschma, 1963
PL: no number, SCD 296M, SEM stub 121 (ex RMNH 13802).—Recent.
Remarks: Species subsequently considered to belong to *Lepidopora*. Paralectotype designated by Vervoort and Zibrowius (1981).
- divergens*, *Stylaster* Marenzeller, 1904
S: 21279, *Albatross*-3405, 2 male col.—Recent.
- duchassaingi*, *Stylaster* Pourtalès, 1867
N: 71823, *Gerda*-493, 1 col.—Recent.
Remark: Neotype designated by Cairns (1986a).
- echinatus*, *Pliobothrus* Cairns, 1986a
H: 71756, *Pillsbury*-881, 1 col.; P: 71757, *Pillsbury*-881, 4 frag., SEM stubs 222, 276; P: 60364, *Albatross*-2753, 1 branch, SEM stub 223; P: 71758, *J-S* 43, 2 col., 2 branches (1 in alcohol); P: 71759, *J-S* 47, 1 col. (in alcohol), SEM stub 144, 4 HSS; P: no number, *Pillsbury*-907, SEM stub 275.—Recent.
- elassotomus*, *Stylaster* Fisher, 1938
H: 43268, *Albatross*-4781, 1 col.; P: 86007, *Albatross*-4781, 1 col.—Recent.
- elegans*, *Stylaster* Verrill, 1864
S: 76882, Ebon Id., 1 col. (ex MCZ).—Recent.
- Remark: Probably a junior synonym of *Stylaster sanguineus* Milne Edwards and Haime, 1850.
- erubescens*, *Stylaster* Pourtalès, 1868
S: 71822, *Bibb* station unknown, 1 male col. (ex MCZ 5543).—Recent.
- eueides*, *Crypthelia* Cairns, 1986b
H: 72101, *Albatross*-2818, 1 male col.; P: 72102, *Albatross*-2818, 6 col. (3 in alcohol), 33 branches, SEM stubs 311–313, 6 HSS (female).—Recent.
- fascicularis*, *Errina* (*Inferiolabiata*) Cairns, 1983a
H: 60149, *Eltanin*-1423, 1 col.; P: 60115, *Eltanin*-684, 4 frag., SEM stub 40B–C; P: 60146, *Eltanin*-1412, 1 frag.; P: 60113, *Eltanin*-1414, 3 col.; P: 60145, *Eltanin*-1416, 6 col., 3 branches (in alcohol), SEM stubs 85A, 181, 5 HSS; P: 60144, *Eltanin*-1422, 1 col.; P: 60112, *Eltanin*-1423, 13 frag., SEM stubs 7, 41A–B, 82; P: 60116, *Eltanin*-1536, 1 branch; P: 60117, *Eltanin*-1592, 1 col.; P: 60147, *Eltanin*-1851, 1 col.; P: 60119, *Eltanin*-1991, 4 frag., SEM stub 41C; P: 60118, *Eltanin*-2143, 1 branch; P: 60148, *Vema* 17-53, 1 branch; P: 60114, *Vema* 17-61, 10 branches; P: no number, *Gazelle* 66/44, SEM stub 157A (ex ZMB 7025).—Recent.
Remark: Species subsequently transferred to *Lepidotheca*.
- fenestrata*, *Errinopsis* Cairns, 1983a
H: 52693, *Eltanin*-254, 1 col.; P: 52696, *Eltanin*-254, 22 frag., SEM stubs 57–58, 93A.—Recent.
- filogranus*, *Stylaster* Pourtalès, 1871
S: 71825, Dry Tortugas, 2 branches, SEM stubs 269, 286 (ex MCZ).—Recent.
- floridana*, *Crypthelia* Cairns, 1986a
H: 71806, *Gosnold*-1630, 1 male col.; P: 71807, *Gosnold*-1630, 7 branches, SEM stub 250; P: no number, *Bibb*-22, SEM stub 257; P: 15982, *Albatross*-2662, 1 branch; P: 71808, *Gosnold*-1643, 2 branches; P: 71809, *Gosnold*-1644, 1 branch, SEM stub 132; P: 71810, *Gosnold*-1655, 1 branch; P: 71811, *Silver Bay*-451, 1 branch.—Recent.
- foliacea*, *Distichopora* Pourtalès, 1868
S: 71819, *Bibb* station unknown, 1 branch (ex MCZ 5528).—Recent.
- formosa*, *Crypthelia* Cairns, 1983a
H: 60207, *Eltanin*-1592, 1 female col.; P: 60084, *Eltanin*-1592, 3 col., SEM stubs 67, 68A, 83; P: 60086, *Eltanin*-1521, 10 frag., SEM stub 68B; P: 60085, *Eltanin*-1536, 1 male col.; P: 60088, *Vema* 17-54, 1 male branch; P: 60087, *Vema* 17-61, 2 female branches.—Recent.
- fragilis*, *Crypthelia* Cairns, 1983a
H: 60206, *Eltanin* 17-5, 1 col.; P: 60089, *Eltanin* 17-5, 33 branches (3 in alcohol), SEM stubs 65–66, 99, 373; P: 60092, *Eltanin*-1412, 5 branches (2 in alcohol); P: 60091, *Eltanin*-1852, 1 col.; P: 60090, *Eltanin*-1991, 1 branch.—Recent.
- galapagensis*, *Stylaster* Cairns, 1986b
H: 72098, *Albatross*-2818, 1 female col.; P: 72099, *Albatross*-2818, 5 col., 28 branches, SEM stubs 331–332, 348; P: 72100, *Eltanin*-4642, 3 male col., 2 branches.—

- Recent.
- gigantea*, *Crypthelia* Fisher, 1938
H: 43273, *Albatross*-2818, 1 female col. in 2 pieces, SEM stubs 308-309; P: 86008, *Albatross*-2818, 1 male branch; P: no number, *Albatross*-2818, SEM stub 345.—Recent.
- glabra*, *Errina* Pourtalès, 1867
S: 71814, *Corwin*-2, 1 branch (ex MCZ).—Recent.
Remark: Species subsequently transferred to *Lepidopora* (see Cairns, 1986a).
- glebulenta*, *Crypthelia* Cairns, 1986b
H: 72103, *Albatross*-2818, 1 male col.; P: 72104, *Albatross*-2818, 10 col., 44 branches, SEM stubs 320-321.—Recent.
- glossopoma*, *Crypthelia* Cairns, 1986a
H: 71801, *Pillsbury*-944, 1 male col., SEM stub 251A; P: 71802, *Gerda*-169, 1 col., SEM stub 251B; P: 71803, *Gerda*-785, 1 branch; P: 71804, *Gerda*-889, 2 branches; P: no number, *Pillsbury*-954, SEM stub 305.—Recent.
- gracilis*, *Errina* Marenzeller, 1903
L: 76874, *Belgica*, 4 frag. of lectotype, SEM stub 100C (ex Institut de Sciences Naturelles, Brussels, 387).—Recent.
Remark: Lectotype designated by Cairns (1983a).
- grantmackiei*, *Pliobothrus* Squires, 1965a
P: 76870, Gee's Point, 4 frag.—Oligocene.
Remark: Subsequently reported to be a bryozoan (see Cairns, 1983c) and therefore does not appear on taxonomic list.
- granulosa*, *Sporadopora* Cairns, 1983a
H: 52697, *Eltanin*-740, 1 col.; P: 52698, *Eltanin*-740, 43 branches, SEM stub 48; P: 60126, *Eltanin*-1521, 2 branches (1 in alcohol), SEM stub 49A; P: 60125, *Eltanin*-1592, 12 frag.; P: 60127, *Eltanin*-1593, 1 branch; P: 60184, *Islas Orcadas* 575-102, 5 branches (2 in alcohol), SEM stub 49B; P: 60186, *Vema* 17-54, 2 frag.; P: 60185, *Vema* 17-57, 1 frag.; P: 60143, *Vema* 17-61, 2 branches; P: 60187, *Vema* 17-64, 1 branch.—Recent.
Remark: Species subsequently transferred to *Lepidopora*.
- horrida*, *Errina* Hickson and England, 1905
S: 76863, *Siboga*-150, 1 frag. (ex ZMA).—Recent.
Remark: Species subsequently transferred to *Lepidopora* (see Cairns, 1983c).
- incrustans*, *Milleaster* Ulrich, 1904
H: 154303, Plum Point, 1 col.; P: 76867, Cove Point, 1 col. in 2 pieces, SEM stub 116; P: 76866, St. Mary's, 1 col.—Miocene.
- inornatus*, *Stylaster* Cairns, 1986a
H: 71784, *Albatross*-2354, 1 female col.; P: 50571, *Albatross*-2354, 9 col., 30 branches (10 in alcohol), SEM stubs 274, 295, 301, 4 HSS; P: 71785, *Gerda*-889, 2 col., 13 branches; P: 71786, *Pillsbury*-595, 2 branches.—Recent.
- insolita*, *Crypthelia* Cairns, 1986a
P: 71798, *Rosaura*-34, 2 branches, SEM stubs 252-253; P: 71799, *Blake*-259, 2 col.; P: 71800, *Blake*-269, 4 col., 6 branches, SEM stub 254.—Recent.
- interglacialis*, *Milleaster* Richards, 1933
H: M371911, Two Mile Beach, 1 col.; P: M371912, Two Mile Beach, 1 col.; P: M371913, Holliday Beach, 1 col.—Pleistocene.
- intervacans*, *Errinopora* Naumov, 1960
H: 76865, Moneron Id., frag. of holotype (ex Zoological Institute, Academy of Sciences, Leningrad, 1/9888).—Recent.
Remark: Junior synonym of *Errinopora stylifera* (Broch, 1935).
- irregularis* forma, *Stylaster eximius* Hickson and England, 1905
S: 76828, *Siboga*-310, 2 frag. (1 in alcohol) (ex ZMA 7366).—Recent.
- japonica*, *Distichopora borealis* Broch, 1942
S: 76868, Okinose, 1 branch (ex RMNH 13955).—Recent.
- lacunosa*, *Crypthelia* Cairns, 1986b
H: 72105, *Albatross*-2818, 1 female col.; P: 45684, *Albatross*-2818, 28 col. (7 in alcohol), 62 branches, SEM stubs 182, 310, 314, 344, 9 HSS.—Recent.
- laevigranulosa*, *Distichopora* Cairns, 1986b
H: 72093, *Albatross*-2818, 1 female branch, SEM stub 326.—Recent.
- laevigatus*, *Stylaster* Cairns, 1986a
H: 52215, *Albatross*-2337, 1 female col.; P: 10233, 44201, *Albatross*-2337, 11 col. (2 in alcohol), 10 branches, SEM stubs 290, 297, 244A, 8 HSS; P: 16002, *Albatross*-2159, 4 branches; P: 16003, *Albatross*-2167, 1 branch; P: 16061, *Albatross*-2321, 1 col.; P: 52223, *Albatross*-2327, 1 col.; P: 16030, *Albatross*-2334, 1 branch; P: 52203, *Albatross*-2338, 2 col.; P: 52217, *Albatross*-2346, 5 col.; P: 16032, *Albatross*-2347, 1 col.; P: 52216, *Albatross*-2353, 1 col.; P: 71787, *Atlantis*-3367, 2 col.; P: 71788, *Vema* 15-1, 2 col.; P: 71789, *Gerda*-533, 2 col., 2 branches, SEM stubs 221, 244B; P: 71790, *Eastward*-26549, 2 branches; P: 71791, *Eastward*-31281, 1 col.; P: 71792, *Johnson-Sea-Link* 1354, 2 col. and 20 branches (2 in alcohol); P: 71793, *Johnson-Sea-Link* 1362, 1 col.—Recent.
- latifundata*, *Errinopora* Naumov, 1960
H: 76864, *Vitjas*-1799, branch frag. of holotype (ex Zoological Institute, Academy of Sciences, Leningrad, 1/9889).—Recent.
- leptostyla* forma, *Allopora moseleyana* Fisher, 1938
H: 43270, *Albatross*-3480, 1 male col.; P: 76817, *Albatross*-3480, 6 branches.—Recent.
Remark: Species subsequently transferred to *Stylaster*.
- lonchitis*, *Stylaster* Broch, 1947
P: 85786, *John Murray*-112, 1 branch (ex BM 1950.5.22.6).—Recent.
- lowei*, *Errina (Inferiolabiata)* Cairns, 1983a
H: 60140, *Eltanin*-1536, 1 female col.; P: 59939, *Eltanin*-1536, 7 col.; P: 52656-52657, *Eltanin*-254, over 50 branches, SEM stub 32B; P: 52622, *Eltanin*-678, 7 branches; P: 59938, *Eltanin*-684, 1 col., 14 frag., SEM stub 32A; P: 52664, *Eltanin*-740, 1 col. and over 10 frag.; P: 59942, *Eltanin*-1593, 19 frag.; P: 59940, *Islas Orcadas* 575-35, 10 frag.; P: 59943, *Islas Orcadas* 575-82, 1 col. (in

- alcohol), 5 branches, SEM stub 31A; P: 59937, *Islas Orcadas* 575-91, 1 col. and 5 branches (in alcohol), SEM stub 31B; P: 59941, *Hero* 715-895, 12 frag. (1 in alcohol); P: 52666, *Vema* 17-59, over 20 frag.—Recent.
Remarks: Species subsequently considered to belong to *Inferiolabiata*.
- macrogastra*, *Errina* Marenzeller, 1904
S: 21280, *Albatross*-3404, 2 col.; S: 21281, *Albatross*-3404, 23 col. (19 in alcohol), SEM stubs 164, 324-325, 338, 6 HSS.—Recent.
- macropora*, *Lepidotheca* Cairns, 1986b
H: 72090, *Albatross*-2818, 1 male col., SEM stub 322; P: 72091, *Albatross*-2818, 6 frag., SEM stub 323; P: 72092, *Albatross*-4642, 1 male frag.—Recent.
- major*, *Conopora* Hickson and England, 1905
S: 76822, *Siboga*-119, 1 frag. (in alcohol), (ex ZMA).—Recent.
- marenzelleri*, *Stylaster* Cairns, 1986b
H: 72096, *Albatross*-4642, 1 female col.; P: 72097, *Albatross*-4642, 10 col., 5 branches, SEM stubs 329-330, 341.—Recent.
- marshae*, *Stylaster* Cairns, 1988b
P: 79518, Dirk Hartog Id., 1 female col., SEM stub 458; P: 79519, Long Id., 1 female col.; P: 79520, Whitford's Beach, 1 col., SEM stub 457; P: no number, Green Id., SEM stub 459; P: no number, Rottnest Id., SEM stub 456.—Recent.
- mascarina*, *Errina aspera* Boschma, 1965a
P: 76877, Mauritius, 1 frag (ex MNHNP).—Recent.
- micropoma*, *Crypthelia* Cairns, 1985
H: 72353, *Anton Bruun* 8-420A, 1 female col., SEM stubs 346, 349C; P: 72354, *Anton Bruun* 8-420A, 2 col. and 3 branches (in alcohol), SEM stub 349A-B, 10 HSS.—Recent.
- milleri*, *Stylaster* Durham, 1942
S: 76873, A-1802, 3 col.—L. Oligocene.
- miniata*, *Allopora* Pourtalès, 1868
S: 71821, *Bibb* station unknown, 1 frag., SEM 303 (ex MCZ).—Recent.
Remark: Species subsequently transferred to *Stylaster*.
- minor* forma, *Stylaster eximius* Hickson and England, 1905
S: 76829, *Siboga*-80, 1 frag. (ex ZMA).—Recent.
- moseleyana*, *Allopora* Fisher, 1938
H: 42869, *Albatross*-4781, 1 male col. in 2 pieces; P: 86003, *Albatross*-4781, 1 col., 10 branches.—Recent.
Remarks: Species subsequently transferred to *Stylaster*.
- moseleyi*, *Allopora* Dall, 1884
H: 6851, Kyska Harbor, 1 col.—Recent.
Remark: Junior synonym of *Stylaster verrillii* (Dall, 1884).
- multiplex*, *Stylaster* Hickson and England, 1905
S: 76823, *Siboga*-94, 1 branch (in alcohol) (ex ZMA Coel 7376).—Recent.
- nanneca*, *Errinopora* Fisher, 1938
H: 42875, *Albatross*-3599, 1 col.; P: 52248, *Albatross*-3599, 1 col.; P: 52263, *Albatross*-3599, 7 col.; P: 52249, *Albatross*-4777, 3 col.—Recent.
- nielsenii*, *Astya* Wells, 1977
H: I208299, USGS 24686, 1 cyclo-system; P: I208300, USGS 24686, 1 cyclo-system.—Eocene.
- nitida*, *Distichopora* Verrill, 1864
S: 76883, Ebon Id., 1 col. (ex MCZ 5526).—Recent.
- pachypoma*, *Crypthelia* Hickson and England, 1905
L: no number, *Siboga*-150, SEM stubs 194, 199 (ex ZMA).—Recent.
Remarks: Lectotype designated by Cairns (1983b).
Species subsequently transferred to *Pseudocrypthelia*.
- papillosa*, *Allopora* Fisher, 1938
H: 6852, Coal Harbor, 1 col.—Recent.
Remark: Species subsequently transferred to *Stylaster*.
- papillosa*, *Crypthelia* Cairns, 1986a
H: 71805, *Blake*-154, 1 female col., SEM stub 304.—Recent.
- papuensis*, *Stylaster* Zibrowius, 1981
H: 60269, Snake Pass, 1 col., over 50 frag.; P: 60274, Snake Pass, 1 branch (paratype #1); P: 60275, Snake Pass, 1 branch (paratype #2).—Recent.
- paragea*, *Allopora campyleca* Fisher, 1938
H: 42871, Tanakee Springs, 1 col.; P: 76812, *Albatross*-4245, 1 col.—Recent.
Remark: Species subsequently transferred to *Stylaster*.
- pauciseptata*, *Stenohelia* Cairns, 1986a
H: 71795, *Pillsbury*-901, 1 female col.; P: 71796, *Pillsbury*-901, 36 branches, SEM stubs 249, 302; P: 71797, *Albatross*-2753, 6 col. and 13 branches (1 in alcohol).—Recent.
- peircei*, *Crypthelia* Pourtalès, 1867
PL: no number, *Corwin* station unknown, SEM stub 131A (ex MCZ 5537).—Recent.
Remark: Lectotype designated by Cairns (1986a).
- petrograpta*, *Allopora* Fisher, 1938
S: 43272, Kyack Id., 2 frag.—Recent.
Remark: Species subsequently transferred to *Stylaster*.
- platypoma*, *Crypthelia* Hickson and England, 1905
S: 76818, *Siboga*-156, 1 frag. (ex ZMA 7395).—Recent.
- polyorchis*, *Allopora* Fisher, 1938
H: 43266, *Albatross*-3480, 1 large col. and 2 frag. of same.—Recent.
Remark: Species subsequently transferred to *Stylaster*.
- polystichopora*, *Lepidopora* Cairns, 1985
H: 72347, NZOI E305, 1 frag. of holotype, SEM stub 350; P: 72348, NZOI E305, 1 frag., SEM stub 307; P: 72352, NZOI P566, 1 frag.—Recent.
Remark: Paratype from NZOI P566 is *Lepidopora cryptocymas*.
- porphyra*, *Stylaster* Fisher, 1931
H: 43018, Pescadero Point, 1 col.; P: 43019, Pescadero Point, 1 col.; P: 43276, Pescadero Point, 9 col. (5 in alcohol), SEM sub 136; P: 43277, Pescadero Point, 1 col. (in alcohol), SEM stub 190.—Recent.

pourtalesi, *Lepidotheca* Cairns, 1986a

H: 15992, *Albatross*-2331, 1 col.; P: 15994, *Albatross*-2166, 1 col., 1 branch, SEM stub 159B; P: 15995, *Albatross*-2167, 1 col.; P: 71760, *Albatross*-2331, 4 branches, SEM stubs 155A, 159A; P: 15993, *Albatross*-2334, 1 col., 3 branches, SEM stub 159C.—Recent.

pourtalesii, *Errina* Dall, 1884

S: 6853, Farallones, 1 col.—Recent.

Remark: Species subsequently transferred to *Errinopora*.

profunda, *Allopora* Moseley, 1879

L: no number, *Challenger*-306, SEM stub 96 (ex BM).—Recent.

Remarks: Lectotype chosen by Cairns (1983a). Species subsequently transferred to *Stylaster*.

providentiae, *Sporadopora* Hickson and England, 1909

S: no number, D-8, SEM stub 156 (ex BM 1957.2.18.2).—Recent.

pseudothyron, *Adelopora* Cairns, 1986b

H: 60198, *Eltanin*-254, 1 col.; P: 60128, *Eltanin*-254, 22 col., SEM stubs 4, 5A-B, 6A, 92B, 93B, 94; P: 60131, *Eltanin*-1343, 7 col., SEM stub 5C; P: 60132, *Eltanin*-1345, 1 col., 1 frag.; P: 60130, *Eltanin*-1521, 10 col. (4 in alcohol), SEM stubs 170, 176; P: 60129, *Eltanin* 25-325, 1 col.; P: 60133, *Eltanin* 25-326, 9 col. (2 in alcohol), SEM stubs 6B, 177, 7 HSS.—Recent.

pulcher, *Stylaster* Quelch, 1884

S: 85788, Enoshima Id., 1 frag. (ex BM 1883.8.17.4-5).—Recent.

pulvinatum, *Cheiloporidion* Cairns, 1983a

H: 52649, *Vema* 17-14, 1 col., 12 frag.; P: 52648, *Vema* 17-14, 4 frag., SEM stub 59; P: 52650, *Vema* 15-10, 1 frag.—Recent.

ramosa, *Crypthelia* Hickson and England, 1905

S: *Siboga*-122, 1 frag. (in alcohol) (ex ZMA 7393).—Recent.

ramosa, *Errina* Hickson and England, 1905

S: no number, *Siboga*-297, SEM stub 137A (ex ZMA).—Recent.

Remark: Species subsequently transferred to *Lepidotheca* (see Cairns, 1983c).

regularis, *Phalangopora* Kirkpatrick, 1887

H: no number, Mauritius, part of holotype SEM stubs 119, 126 (ex BM 1891.12.12.1).—Recent.

reticulata, *Calyptopora* Boschma, 1968a

P: 76878, NZOI F132, 2 frag. (ex RMNH 13754).—Recent.

robusta, *Allopora* Cairns, 1983a

H: 60200, *Eltanin*-1081, 1 branch; P: 52640, *Eltanin*-1081, 7 branches; P: 60095, *Eltanin*-684, 1 branch; P: 52637-52639, *Eltanin*-993, 32 col., over 50 branches, SEM stubs 73, 74A; P: 60246, *Eltanin*-1084, 3 frag.—Recent.

Remark: Species subsequently transferred to *Stylaster*.

robusta, *Stenohelia* Boschma, 1964b

H: 21282, *Albatross*-3404, 1 female col.; P: 21282, *Albatross*-3404, 1 col.—Recent.

Remark: Both holotype and paratype have the same catalog number.

rosaceus, *Allopora* Greeff, 1886

S: no number, São Tome, SEM stub 442 (ex ZMB 4725).—Recent.

Remark: Species subsequently transferred to *Stylaster*.

rosalindae, *Distichopora* Cairns, 1986a

H: 71772, *Oregon*-4932, 1 male col.; P: 71773, *Oregon*-4932, over 30 branches, SEM stubs 236, 281-282; P: 71774, *Oregon*-1890, 11 frag.; P: 71775, *Gerda*-889, 7 branches.—Recent.

seriatus, *Pliobothrus* Broch, 1942

S: no number, Tombeau Bay, 2 HSS (ex ZMC).—Recent.

Remark: Junior synonym of *Phalangopora regularis* Kirkpatrick, 1887 (see Cairns, 1983c).

spatula, *Stylaster* Cairns, 1986a

H: 71781, *Oregon*-24237, 1 female col.; P: 71782, *Oregon*-24237, 9 col. (1 in alcohol), 15 branches, SEM stubs 272-273, 294, 2 HSS; P: 71783, *Oregon*-24238, 1 col., 5 branches (2 in alcohol).—Recent.

stejnegeri, *Allopora* Fisher, 1938

H: 43271, *Albatross*-4777, 1 col.—Recent.

Remark: Species subsequently transferred to *Stylaster* (see Cairns, 1983c).

stellulatus, *Stylaster* Stewart, 1878

H: 85783, Tahiti, frag. of holotype (ex BM 1878.2.2.81).—Recent.

stenopoma, *Crypthelia* Hickson and England, 1905

S: 76819, *Siboga*-225, 1 male frag. (ex ZMA 7398).—Recent.

subramosus, *Milleaster* Ulrich, 1904

H: I54304, Plum Point, 1 col.—Miocene.

sulcata, *Distichopora* Pourtalès, 1867

S: 71815, *Corwin*-2, 1 branch (ex MCZ).—Recent.

tenisonwoodsii, *Stylaster* Cairns, 1988b

P: 77050, *Alpha Helix* 79-M35, 3 female col.; P: 77165, *Sting Ray* 78-T7, 1 female col.; P: 79521, Ashmore Reef, 1 female col., SEM stub 460.—Recent.

tenuis, *Conopora* Moseley, 1879

H: no number, *Challenger*-170, SEM stub 135B (ex BM 1880.11.25.184).—Recent.

Remark: Junior synonym of *Conopora laevis* (Studer, 1878).

tenuis, *Stylaster* Verrill, 1864

S: 76881, Navigator Id., 2 female col. (ex MCZ 5501).—Recent.

Remark: Junior synonym of *Stylaster sanguineus* Milne Edwards and Haime, 1850.

tenuiseptata, *Crypthelia* Cairns, 1986a

H: 72315, *Blake*-264, SEM stub 258, 3 HSS; P: 71812, *Blake*-230, 1 col.—Recent.

tenuistylus, *Errina* Broch, 1942

S: 76869, Tombeau Bay, 1 frag., SEM stub 160 (ex ZMA).—Recent.

- Remark: Species subsequently transferred to *Lepidotheca*.
tiliatus, *Stylaster* Hickson and England, 1905
 S: 77280, *Siboga*-105, 1 branch (ex ZMA 8205).—Recent.
 Remark: Species subsequently transferred to *Stenohelia*.
tortuosa, *Millepora* Dana, 1846
 S: 692, Fiji (USEE), 1 col.—Recent.
trachystoma, *Allopora campyleca* Fisher, 1938
 H: 43265, *Albatross*-4784, 1 col.; P: 76811, *Albatross*-4784, 5 col.—Recent.
 Remark: Species subsequently transferred to *Stylaster*.
trophostega, *Crypthelia* Fisher, 1938
 H: 42876, *Albatross*-3480, 1 male col.; P: 52264, *Albatross*-3480, 2 male col.—Recent.
tylota, *Allopora campyleca* Fisher, 1938
 H: 43263, *Albatross*-4781, 1 female col.; P: 86000, *Albatross*-4781, 15 branches.—Recent.
 Remark: Species subsequently transferred to *Stylaster*.
umbonatus, *Stylaster* Hickson and England, 1905
 S: 76875, *Siboga*-119, 1 branch (in alcohol) (ex ZMA 7389).—Recent.
 Remark: Species subsequently transferred to *Stenohelia*.
uniserialis, *Distichopora* Cairns, 1986a
 H: 71776, *Albatross*-2346, 1 male branch; P: 15969, *Albatross*-2346, 5 col. (1 in alcohol), 5 frag., SEM stubs 234–235, 4 HSS; P: 15981, *Albatross*-2339, 1 branch; P: 15968, *Albatross*-2349, 2 col., SEM stub 219.—Recent.
verillii, *Allopora* Dall, 1884
 S: 4193, Akutan Pass, 5 col.—Recent.
 Remark: Species subsequently transferred to *Stylaster*.
vetusta, *Crypthelia* Wells, 1977
 H: I208297, USGS 24686, 1 branch; P: I208298a–d, USGS 24686, 4 frag.—Eocene.
yucatanensis, *Distichopora* Cairns, 1986a
 H: 10286, *Albatross*-2354, 1 male col.; P: 15973, 53423, *Albatross*-2354, 12 col. and over 50 branches (4 in alcohol), SEM stubs 278–279, 288; P: 71764, *Gerda*-889, 2 col. and 18 branches; P: 71765, *Gerda*-890, 3 branches; P: 71766, *Pillsbury*-592, 4 branches; P: 71767, *Oregon*-4932, 1 branch.—Recent.
zarhyncha, *Errinopora* Fisher, 1938
 H: 42874, *Albatross*-3480, 1 col.; P: 52247, *Albatross*-3480, 8 branch frag.—Recent.

Part 2. Anthozoa (Scleractinia)

- abacus* forma, *Porites compressa* Vaughan, 1907a
 H: 20932, Kaneohe, 1 col.—Recent.
abbreviata var., *Madrepora spicifera* Dana, 1846
 S: 235, 245, Singapore (USEE), 1 col. each.—Recent.
 Remark: Species subsequently transferred to *Acropora*.
acervata, *Madrepora* Dana, 1846
 ?S: 271, Singapore (USEE), 1 col.—Recent.

- Remarks: Type status doubtful: original label reads: "*M. plantaginea* Lam. (Dana)", but later label reads "*Acropora acervata* Dana type, not *M. plantaginea* of Dana". Rathbun (1887) also lists it as a type of *M. acervata*. Junior synonym of *Acropora humilis* (Dana, 1846) (see Wells, 1954:425, but also Veron and Wallace, 1984:178).
aculeus, *Madrepora* Dana, 1846
 H: 257, Fiji (USEE), 1 col.—Recent.
 Remark: Species subsequently transferred to *Acropora*.
acuticostata, *Turbinolia* Vaughan, 1895
 S: M158131, Potomac Creek, 1 col.—Eocene.
acutiforme var., *Flabellum cuneiforme* Vaughan, 1900a
 S: M157963, USGS 2005, 1 col.; S: M157964, USGS 2005, 1 col.—Eocene.
adkinsi, *Synastrea* Wells, 1934
 H: I74483, Catadupa, 1 col.—U. Cretaceous.
adminicularis, *Amphihelia* Rehberg, 1892
 H: 78556, Yeddo Bay, 2 corallites of holotype.—Recent.
 Remark: Species subsequently transferred to *Enallopsammia* (see Zibrowius, 1973).
agassizi, *Leptastrea* Vaughan, 1907a
 S: 21634, Waikiki, 1 col.; S: 21633, Waikiki, 1 col.—Recent.
 Remark: Species subsequently transferred to *Cyphastrea* (see Veron and Hodgson, 1989).
aithoseptatum, *Trochocyathus* Cairns, 1984
 H: 60529, *Sango* 16-8, 1 corallum; P: 60532, *Sango* 16-1, 1 corallum; P: 60531, *Sango* 16-3, 2 frag.; P: 60530, *Sango* 16-5, 43 coralla.—Recent.
alabamensis, *Dichocoenia* Vaughan, 1900a
 H: M158300, Prairie Creek, 1 col., 1 TS (M158299).—Eocene.
alabamensis, *Oculina* Vaughan, 1900a
 S: M155114, Gregg's Landing, 4 branches; S: M158249, Gregg's Landing, 3 branches; S: M158250, Gregg's Landing, 1 branch.—Eocene.
alabamensis, *Turbinaria* Vaughan, 1900a
 S: M158481, Salt Mountain, 1 col., 5 frag. (M158479), and 2 TS (M158480); S: M158482, Salt Mountain, 1 large col.—Oligocene.
alabamiensis, *Stenocyathus* Wells, 1947
 H: I104177, Linden, 1 corallum; P: I104178, Linden, 2 coralla, 2 TS.—U. Cretaceous.
alaskana, *Latimaendra* Smith, 1927
 H: I74245, Threemile Cove, 1 col.—U. Triassic.
 Remark: Species subsequently transferred to *Latomeandra*.
alaskensis, *Caryophyllia* Vaughan, 1941
 S: M547317, *Albatross*-4231, 2 coralla; S: M547318, *Albatross*-4300, 1 corallum.—Recent.
alatus, *Antillocyathus* Cairns and Wells, 1987
 P: 65481, USGS 7776, 1 col.; P: 64274, 63063, USGS 8702, 8 col.; P: 63064, USGS 8544, 2 col.; P: 74683, USGS 8549, 2 col.; P: 63061, USGS 8726, 1 col.; P: 63062, USGS 8734,

- 1 col.—L. Miocene to early Pliocene.
alces, *Madrepora* Dana, 1846
 S: 237, East Indies (USEE), 1 branch.—Recent.
 Remark: Species subsequently transferred to *Acropora*.
- alcocki*, *Caryophyllia* Vaughan, 1907a
 S: 20744, *Albatross-3977*, 1 corallum; S: 20745, *Albatross-3977*, 1 corallum.—Recent.
 Remark: Junior synonym of *Caryophyllia atlantica* (Duncan, 1873) (see Cairns, 1984).
- alcocki*, *Sclerhelia* Wells, 1954
 H: 45056, sta. 118, 1 col. in 5 pieces.—Recent.
 Remarks: Senior synonym of *Dendrophyllia palita* Squires and Keyes, 1967. Species correctly placed in *Dendrophyllia* (see Zibrowius, 1973).
- aldrichi*, *Goniopora* Vaughan, 1941
 H: M547345, Cave Branch, 1 col.—L. Eocene.
- aldrichi*, *Oculina* Vaughan, 1900a
 H: M158253, Bryam's Ferry, 1 branch.—Eocene.
- aliciae*, *Mycetophyllia* Wells, 1973a
 H: 53496, The Bull, 1 col.; P: 53497, W. Bull, 1 col.—Recent.
- allingi*, *Alveopora* Hoffmeister, 1925
 S: 85766, (specimen #1), 1 col.; S: 85767, (specimen #2), 1 col.; S: 62494, (specimen #3), 1 branch; S: 85765, (specimen #4), 6 col.—Recent.
- alpha* subforma, *Porites lobata* forma *centralis* Vaughan, 1907a
 S: 22241, Kalihi, 1 col.; S: 22242, Kalihi, 1 col.—Recent.
- alta* var., *Favoidioseris fredericksburgensis* Wells, 1933
 H: I75135, Belton, 1 col.—L. Cretaceous.
 Remark: Species subsequently transferred to *Ovalastrea*.
- alternans*, *Trematotrochus* Cairns and Parker, in press
 P: 85686, Beachport, 2 coralla, SEM stub 525A; P: 85688, Gulf of St. Vincent, SEM stub 525B; P: 85689, Beachport, 2 coralla. (all ex SAM)—Recent.
- alternatus*, *Paracyathus* Vaughan, 1900a
 S: M158174, USGS 2033, 2 col. (var. a); S: M158189, Newton, 1 col. (var. b); S: M158191, Claiborne, 1 col.—Eocene.
- amarantum*, *Manicina* Dana, 1846
 S: 85, East Indies (USEE), 1 col.—Recent.
 Remark: Species subsequently transferred to *Trachyphyllia*.
- americana*, *Micrabacia* Meek, 1876
 S: I456, Moreau River, 6 small rocks.—Cretaceous.
- andrewsi*, *Porites* Vaughan, 1918
 S: 85761, Murray Id. (400'), 4 col.; S: 45500, Murray Id. (600'), 2 col.; S: 85760, Murray Id. (650'), 2 col.; S: 47232, Murray Id. (800'), 5 col.; S: 47231, Murray Id. (1200'), 1 col.—Recent.
 Remark: Vaughan designated no types, thus all of his specimens are considered to be syntypes.
- anguillensis*, *Agaricia* Vaughan, 1919
 P: M324971, Anguilla, 1 col.—M. Miocene.
- anguillensis*, *Pironastraea* Vaughan, 1919
 H: M325174, USGS 6894, 1 col.; P: M325175, USGS 6893, 1 col.—M. Miocene.
- angustisepta* forma, *Porites compressa* Vaughan, 1907a
 H: 20915, Molokai, 1 col.—Recent.
- annularis*, *Balanophyllia* Vaughan, 1900a
 S: M158366, Peach Tree Landing, 1 col.; S: M158367, Peach Tree Landing, 1 col.—Eocene.
- anomalos*, *Favioseris* Wells, 1934
 H: I74484, Catadupa, 1 col.—U. Cretaceous.
- antarcticus*, *Leptopenus* Cairns, 1989
 H: 47483, *Eltanin-2002*, 1 corallum; P: 47480, *Eltanin-598*, 1 corallum (in alcohol); P: 47481, *Eltanin-1545*, 2 coralla (1 in alcohol); P: 47479, *Eltanin-1926*, 1 corallum (in alcohol); P: 81746, *Eltanin-2002*, 2 coralla (in alcohol); P: 47482, *Eltanin-2108*, 37 coralla (32 in alcohol).—Recent.
- antiguensis*, *Astreopora* Vaughan, 1919
 P: M325609, Antigua, 2 col.—Oligocene.
- antiguensis*, *Maeandra* Vaughan, 1919
 S: M325003, USGS 6881, 2 col.—Oligocene.
 Remark: Species transferred to *Diploria*.
- antiguensis*, *Pironastrea* Vaughan, 1919
 H: M325177, USGS 6854, 1 col.; P: M325179, USGS 7514, 1 col.—Oligocene.
- antilliana*, *Montastrea* Wells, 1945
 H: 68345, S152, 1 col.—Eocene.
- antillarum*, *Flabellum* Wells, 1945
 H: 68350, S360, 1 col.—Eocene.
- anzoateguensis*, *Dendraraea* Wells, 1944a
 H: M547396, La Borracha Id., 13 frag., 2 TS.—L. Cretaceous.
- aotearoa*, *Flabellum* Squires, 1964
 P: 68261, *Ikatare* B-26, 1 corallum.—Recent.
- aperta* forma, *Porites lobata* Vaughan, 1907a
 S: 20921, Molokai, 1 col.; S: 20924, Molokai, 1 col.—Recent.
- araguensis*, *Dendrophyllia* Wells, 1944a
 H: M547404, Aragua, 3 frag., 2 TS.—Oligocene to Miocene.
- arbuscula*, *Madrepora* Dana, 1846
 S: 296, Sulu Sea (USEE), 1 col.—Recent.
 Remark: Junior synonym of *Acropora formosa* (Dana, 1846) (see Veron and Wallace, 1984).
- areum*, *Flabellum* Cairns, 1982a
 H: 47167, *Eltanin-1592*, 1 corallum; P: 47168, *Eltanin-1592*, 3 coralla; P: 45639, *Eltanin-973*, 12 coralla; P: 45616, *Vema* 15-132, 15 coralla; P: 45169, *Vema* 17-57, 7 coralla.—Recent.
- arkansasensis*, *Micrabacia* Wells, 1933
 H: I75228, USGS 16243, 1 corallum; P: I75200, USGS 16243, 1 corallum; P: I203607, USGS 16243, 1 corallum.—U. Cretaceous.
- armata*, *Plesiastrea* Verrill, 1872
 H: 65, East Indies (USEE), 1 col.—Recent.

- Remarks: Species based on Dana's (1846) *Astraea* (*Fissicella*) *intersepta* (Esper). Junior synonym of *Favia stelligera* (Dana, 1846) (see Veron, Pichon, and Wijsman-Best, 1977).
- arnoldi*, *Caryophyllia* Vaughan, 1900b
H: M157509, San Pedro Hill, 1 col.—Pleistocene.
- arnoldi*, *Pocillopora* Vaughan, 1919
H: M324782, USGS 6444, 1 col.—Miocene.
- ascia* var., *Pavonia crassa* Dana, 1846
H: 222, Fiji (USEE), 1 col.—Recent.
Remarks: Species subsequently transferred to *Pavona*. Variety *asciais* considered to be the typical subspecies of *P. crassa*.
- aspera*, *Goniastrea* Verrill, 1866a
S: 402, Loo Choo (NPEE), 1 col.; S: 403, Loo Choo (NPEE), 1 col.—Recent.
- aspera*, *Madrepora* Dana, 1846
H: 285, Fiji (USEE), 1 col.—Recent.
Remark: Species subsequently transferred to *Acropora*.
- aspera*, *Montipora* Verrill, 1872
S: 339, Singapore (USEE), 1 col.—Recent.
Remark: Based on Dana's (1846) *Manopora cristagalli* (Ehrenberg).
- aspera*, *Pocillopora* Verrill, 1869a
S: 698, Sandwich Ids. (Hawaiian Islands)(USEE), 1 col.—Recent.
Remark: Based on Dana's (1846) specimen of *Pocillopora favosa* (Ehrenberg) from the Sandwich Islands.
- atlanticum*, *Flabellum pavoninum* Cairns, 1979
H: 46895, *Gerda*-179, 1 corallum; P: 46896, *Gerda*-179, 41 coralla; P: 46897, *Gerda*-405, 1 corallum; P: 46898, *Gerda*-254, 1 corallum; P: 46899, *Gerda*-666, 1 corallum; P: 46900, *Gerda*-927, 1 corallum; P: 46901, *Silver Bay*-3514, 3 coralla.—Recent.
Remark: Subspecies elevated to species rank by Cairns (1984).
- atrata*, *Dendrophyllia* Dennant, 1906
P: 85673, Backstairs Passage, SEM stub 516.—Recent.
Remark: Species subsequently transferred to *Astrangia* (see Cairns and Parker, in press).
- auaensis* var., *Montipora verrilli* Hoffmeister, 1925
H: 68213, Pago Pago, 1 col.—Recent.
- augustinensis*, *Balanophyllia* Vaughan, 1900a
S: M158368, San Augustine, Texas, 6 coralla.—Eocene.
- australiensis*, *Porites* Vaughan, 1918
H: 47233, Murray Id. (620'), 1 col.—Recent.
- bainbridgensis* var., *Goniopora decaturensis* Vaughan, 1919
H: M325029, USGS 3381, 1 col.—L. Miocene.
Remark: Junior synonym of *Goniopora imperatoris* Vaughan, 1919.
- bainbridgensis*, *Orbicella* Vaughan, 1919
H: M324881, USGS 3383, 1 col. in 9 frag., 5 TS.—L. Miocene.
Remark: Junior synonym of *Montastraea cavernosa* (Linnaeus, 1758) (see Budd, in press).
- balaenacea*, *Caryophyllia* Zibrowius and Gili, 1990
P: 86877, BB-12, 5 coralla; P: 86878, BB-13, 5 coralla.—Recent.
- ballistensis*, *Goniopora* Weisbord, 1973
P: 68314, USGS 3286, 1 col.—Miocene.
Remarks: Based on *G. ballistensis* nom. nud. Vaughan, 1915. Junior synonym of *Porites portoricensis* (Vaughan, 1919) (see Foster, 1986).
- baracoensis*, *Pocillopora* Vaughan, 1919
H: M324783, USGS 3476, 1 col.—Miocene.
- baracoensis*, *Porites* Vaughan, 1919
H: M325069, USGS 3476, 1 col.—U. Pliocene.
- barbadiana*, *Archohelia* Wells, 1945
H: 68343, S80, 1 col.; P: 68344, S80, 1 col.—Eocene.
- barbadiana*, *Turbinolia* Wells, 1945
H: 68345, S80, 1 col.; P: 68346, S80, 1 col.; P: 68347, S80, 1 col.—Eocene.
- barranquinensis*, *Astrocoenia* Wells, 1944a
H: M547380, Cumaná, 1 col., 2 frag., 1 TS.—L. Cretaceous.
- barretti*, *Actinacia* Wells, 1934
H: 44295, Jamaica, 1 col.—M. Eocene.
- bartschi*, *Coenocyathus* Wells, 1947
H: M547397, Dry Tortugas, 1 col. of 3 corallites.—Recent.
Remark: Junior synonym of *Rhizosmia maculata* (Pourtalès, 1874) (see Cairns, 1978b).
- bastropensis*, *Paracyathus* Vaughan and Popenoe, 1935
S: M371040, USGS 11696, 2 col.—Eocene.
- bayeri*, *Balanophyllia* Cairns, 1979
H: 46909, *Oregon*-4940, 1 corallum; P: 46910, *Oregon*-4940, 18 coralla; P: 46912, *Pillsbury*-596, 16 coralla; P: 46911, *Oregon*-4939, 5 coralla.—Recent.
- bellensis*, *Astrocoenia* Wells, 1933
H: I75146, Belton, 1 col.—L. Cretaceous.
- belli*, *Cyathomorpha* Vaugahn, 1919
H: M325218, USGS 6854, 1 col.—Oligocene.
Remark: Junior synonym of *Agathiphyllia browni* (Vaughan, 1919) (A. Budd, pers. comm.)
- bellus*, *Paracyathus* Vaughan, 1900a
S: M158193, Wautubbee, 3 col.; S: M158194, USGS 2622, 1 col.; S: M158196, Newton, 1 col.—Eocene.
- benhami*, *Goniastrea* Vaughan, 1917a
H: 52722, Meyer Id., 1 col.—Recent.
Remark: Junior synonym of *Goniastrea australiensis* (Milne Edwards and Haime, 1857) (see Veron, Pichon, and Wijsman-Best, 1977:92).
- bernardi*, *Montipora* Vaughan, 1907a
S: 20812, *Albatross*-3847, 4 branches.—Recent.
- bernardi*, *Porites* Vaughan, 1907a
S: 20820, *Albatross*-3876, 3 col.—Recent.
- berryi*, *Montipora* Hoffmeister, 1925
H: 85768, Pago Pago, 1 col.—Recent.
- beta* forma, *Acropora palifera* Wells, 1954
H: 44648, sta. 38B, 1 col.—Recent.

- Remark: This new form was named by Wells for *Acropora palifera* (Lamarck, 1816).
- beta* subforma, *Porites lobata* forma *centralis* Vaughan, 1907a
H: 20927, Hawaiian Ids. (WTB 115), 1 col.—Recent.
- bikiniensis* var., *Rhizopsammia minuta* Wells, 1954
H: 45106, sta. 106, 1 col.—Recent.
- blakei*, *Phyllangia* Wells, 1947
H: M560156, Jackson Bluff, 1 col.; P: M560157, Jackson Bluff, 2 col.—U. Miocene.
- boesei*, *Frechia* Wells, 1933
H: I312608, NW of Georgetown, 1 col.; P: I312609, NW of Georgetown, 3 col.—L. Cretaceous.
Remark: Species subsequently transferred to *Epistreptophyllum*.
- boltonae*, *Diplaraea* Wells, 1934
H: I74479, Catadupa, 1 col.—U. Cretaceous.
- borealis*, *Confusastrea* Smith, 1927
H: I74246, Threemile Cove, 1 col.—U. Triassic.
Remark: Species subsequently transferred to *Complexastrea*.
- borealis*, *Thamnastraea* Smith, 1927
H: I74243, USGS 9537, 1 col.; P: I147652, USGS 9900, 1 col.—U. Triassic.
Remark: Species subsequently transferred to *Thamnatertia*.
- borrachensis*, *Myriophyllia* Wells, 1944
H: M547386, LaBorracha, 1 col.; P: M547402 (I348049), Cumaná, 1 col.—L. Cretaceous.
- bowersi*, *Coenocyathus* Vaughan, 1906c
H: 21138, San Miguel Id., 1 col.—Recent.
- bowersi*, *Maeandra* Vaughan, 1917b
H: 68289, USGS 3857, 1 col.—Pliocene.
Remark: Species subsequently transferred to *Diploria*.
- brachiata*, *Madrepora* Dana, 1846
S: 295, Sulu Sea (USEE), 1 col.—Recent.
Remark: Junior synonym of *Acropora nobilis* (Dana, 1846) (see Veron and Wallace, 1984:215).
- branneri*, *Porites* Rathbun, 1888
H: 10961, Parahyba do Norte, 1 col.; P: 10962, Pernambuco, 3 col.—Recent.
- brassensis*, *Sphenotrochus* Vaughan in Vaughan and Hoffmeister, 1926
H: M353646, USGS 8302, 1 corallum.—M. Miocene.
- brassica*, *Gemmipora* Dana, 1846
S: 210, Fiji (USEE), 1 large col. and 2–3 frag.—Recent.
Remark: Species subsequently transferred to *Turbinaria*.
- braziliensis*, *Astrangia* Vaughan, 1906c
H: 10940, Periperi, 1 col. and several dozen isolated corallites.—Recent.
Remark: Junior synonym of *Astrangia solitaria* (Lesueur, 1817).
- breviramosa* forma, *Porites compressa* Vaughan, 1907a
H: 21275, Albatross-4169, 1 col.—Recent.
- brighami*, *Porites* Vaughan, 1907a
H: 21624, Molokai, 1 col.—Recent.
- brighami*, *Stephanaria* Vaughan, 1907a
H: 21629, Kahana, 1 col.—Recent.
Remark: Species subsequently transferred to *Psammocora*.
- browni*, *Cyathomorpha* Vaughan, 1919
H: M325211, USGS 6888, 1 col.—Oligocene.
Remark: Species subsequently transferred to *Agathiphyllia* (A. Budd, pers. comm.).
- bullbrookii*, *Antillia* Hoffmeister in Vaughan and Hoffmeister, 1926
H: M353675, USGS 9286, 1 col.; P: M353676, USGS 9286, 1 col.—M. Miocene.
Remark: ?Junior synonym of *Trachyphyllia bilobata* (Duncan, 1863) (A. Budd, pers. comm.).
- bullbrookii*, *Mycetophyllia* Vaughan in Vaughan and Hoffmeister, 1926
H: M353663, USGS 8299, 1 large col.—Miocene.
- burchae*, *Premocyathus* Cairns, 1984
H: 60512, B79065, 1 corallum; P: 60513, B79065, 10 coralla.—Recent.
- burnsi*, *Astrohelium* Vaughan, 1900a
S: M158229, Moody's Branch, 4 frag.—Eocene.
- cactus*, *Mussa* Dana, 1846
?H: 44, Fiji (USEE), 1 col.—Recent.
Remark: Type status uncertain.
- caliculata*, *Manopora* Dana, 1846
L: 335, Fiji (USEE), 1 col.—Recent.
Remarks: Lectotype designated by Veron and Wallace (1984:72). Species subsequently transferred to *Montipora*.
- californianus*, *Trochocyathus* Vaughan, 1900a
S: M156934, Southern California, 2 col.—Eocene.
- californica*, *Caryophyllia* Vaughan, 1903a
H: M164737, San Pedro, 1 fragmented col.—Pliocene.
- californica*, *Siderastrea* Vaughan, 1917b
H: 68291, USGS 3857, 1 col.; P: 63031, USGS 7616, 3 col., 2 TS; P: 68292, USGS 7616, 1 col.—Pliocene.
Remark: Junior synonym of *Siderastrea mendenhalli* Vaughan, 1917b (A. Budd, pers. comm.).
- californicum*, *Flabellum* Vaughan, 1900a
S: M158002, Contra Costa, 2 col.—Eocene.
- caloosahatcheensis*, *Dichocoenia* Weisbord, 1974
H: M325299a, USGS 3206, 1 col.; P: M325299b, USGS 3206, 1 col.—Pleistocene.
- cambridgensis*, *Stylophora* Wells, 1934
S: 44283, Jamaica, 3 col.—M. Eocene.
- canalis*, *Goniastrea* Vaughan, 1919
H: M324996, USGS 6016, 5 frag. of 1 col.—M. Miocene.
- canalis*, *Goniopora* Vaughan, 1919
L: 72891, USGS 6016, 1 col.; PL: M325052, USGS 6016, 2 col.—M. Miocene.
Remark: Lectotype designated by Foster (1986).
- canalis*, *Orbicella* Vaughan, 1919
H: M324862, USGS 6016, 1 col.; P: M324861, USGS 6444, 2 col.—M. Miocene.

- Remark: Species subsequently transferred to *Montastraea*.
- canalis*, *Stylophora* Vaughan, 1919
H: M324775, USGS 6016, 1 col.—Miocene.
- candeanum*, *Flabellum* Milne Edwards and Haime, 1848a
N: 81963, *Albatross*-5369, 1 corallum.—Recent.
Remarks: Neotype designated by Cairns (1989). Species transferred to *Truncatoflabellum* by Cairns (1989).
- capitata*, *Manopora* Dana, 1846
S: 305, Sandwich Ids. (USEE), 1 col.—Recent.
Remarks: ?Junior synonym of *Montipora monasteriata* (Forsk., 1775) (see Veron and Wallace, 1984). Species subsequently transferred to *Montipora*.
- cardenae*, *Acropora* Wells, 1985
H: 72370, Bowl Reef, 1 frag.; P: 72371, Bowl Reef, 3 frag., unnumbered SEM stub; P: 72372, Bowl Reef, 1 frag.—Recent.
- carduus*, *Madrepora* Dana, 1846
S: 277, Fiji (USEE), 1 col.; S: 278, Fiji (USEE), 1 col.—Recent.
Remark: Species subsequently transferred to *Acropora*.
- cariacoensis*, *Meandrophyllia* Wells, 1944a
H: M547939, Cumaná, 1 col. in 16 frag., 1 TS; P: M547394, Cumaná, 1 col.; P: M547402 (I372153), Cumaná, 1 col.—L. Cretaceous.
- caribbeana*, *Balanophyllia* Cairns, 1977a
H: 45842, *Pillsbury*-705, 1 corallum; P: 45843, *Pillsbury*-708, 1 corallum; P: 45844, *Pillsbury*-709, 2 coralla; P: 45845, *Pillsbury*-710, 1 corallum; P: 45846, *Pillsbury*-728, 2 coralla; P: 45849, *Pillsbury*-768, 1 corallum; P: 45847, *Pillsbury*-842, 2 coralla; P: 45848, *Pillsbury*-913, 1 corallum.—Recent.
- caribbeana*, *Caryophyllia ambrosia* Cairns, 1979
H: 45972, *Pillsbury*-388, 1 corallum.—Recent.
- carinata*, *Anomocora* Cairns, 1991
H: 84824, *Johnson-Sea-Link* 1938, 1 col.; P: 84825, *Johnson-Sea-Link* 1938, 12 frag.—Recent.
- carinatum*, *Truncatoflabellum* Cairns, 1989
H: 81959, *Albatross*-5312, 1 corallum; P: 81960, *Albatross*-5312, 8 coralla; P: 81961, *Albatross*-5313, 21 coralla; P: 81962, *Albatross*-5314, 3 coralla.—Recent.
- carolinensis*, *Cryptotrochus* Cairns, 1988a
H: 46914, *Gosnold*-1811, 1 corallum; P: 46915, *Gosnold*-1811, 8 coralla, SEM stub 462; P: 81082, *Gosnold*-1841, 1 corallum.—Recent.
- carrizensis*, *Eusmilium* Vaughan, 1917b
H: M325288, USGS 7616, 1 col.—Pliocene.
- carrizensis*, *Porites* Vaughan, 1917b
H: 68293, USGS 7616, 1 col.; P: 86840, USGS 7616, 1 col.—Pliocene.
Remark: Types designated in plate caption only.
- cascadensis*, *Goniopora* Vaughan, 1919
H: M325072, USGS 6020c, 1 col.; P: M325073 (not 325074 as stated in text), 3 col.—M. Miocene.
Remark: Junior synonym of *Porites portoricensis* (Vaughan, 1919) (see Foster, 1986).
- catadupensis*, *Vaughanoseris* Wells, 1934
H: I74485, Catadupa, 1 col.; P: I74486, railway cut, 1 col. in 6 pieces.—U. Cretaceous.
- catalai*, *Alveopora* Wells, 1968
H: 53132, Banc Gail, 1 branch in 2 pieces; P: 53133, Banc Gail, 1 branch.—Recent.
- catenata*, *Texastrea* Wells, 1973b
H: I171265, Goldthwaite Reef, 1 col.—L. Cretaceous.
- catinata*, *Anthemiphyllia* Wells, 1977
H: I208307, USGS 24686, 1 corallum; P: I208339, USGS 24686, 1 corallum.—Eocene.
- cellulosa*, *Astraea* Verrill, 1872
H: 77, Fiji (USEE), 1 col.—Recent.
Remarks: Based on Dana's (1846) *Astraea (Fissicella) denticulata* (Ellis). Junior synonym of *Favia pallida* (Dana, 1846) (see Veron, Pichon, and Wijsman-Best, 1977).
- cerealis*, *Madrepora* Dana, 1846
S: 269, Sulu Sea (USEE), 1 col.; 270, East Indies (USEE), 1 col.—Recent.
Remark: Species subsequently transferred to *Acropora*.
- cerebriiformis*, *Mussa* Dana, 1846
S: 11, Fiji (USEE), 1 col.—Recent.
- cerium*, *Astraea (Fissicella)* Dana, 1846
S: 64, Wake's Id. (USEE), 1 col.; S: 69, Wake's Id. (USEE), 1 col.—Recent.
Remark: Junior synonym of *Goniastrea pectinata* (Ehrenberg, 1834) (see Veron, Pichon, and Wijsman-Best, 1977:87).
- cespitosa*, *Pocillopora* Dana, 1846
S: 681, Sandwich Ids. (USEE), 1 col.; S: 722, Sandwich Ids. (USEE), 1 col.; S: 2186, Sandwich Ids. (USEE), 1 col.—Recent.
- chamissoi*, *Rhizopsammia* Wells, 1954
H: 45104, sta. 38a, 1 col.; P: 45105, sta. 38a, 6 corallites.—Recent.
- chevalieri*, *Trochocyathus* Cairns and Wells, 1987
P: 74682, NMB 15809, 5 coralla.—Late Miocene to Early Pliocene.
- christianiaensis*, *Goniaraea* Wells, 1934
H: 44297, J146M, 1 col.—M. Eocene.
Remark: Species subsequently transferred to *Goniopora*.
- cingulatus*, *Trochocyathus* Vaughan, 1900a
H: M158161, loc. #284, 1 col.—Eocene.
- claibornensis*, *Rhectopsammia* Vaughan, 1900a
S: M158401, loc. #263, 3 col.; S: M158402, USGS 2391, 1 col.—Eocene.
Remark: Species subsequently transferred to *Endopachys*.
- claibornensis*, *Sphenotrochus* Vaughan, 1900a
S: M158089, USGS 2867, 2 col.; S: M158095, Claiborne, 1 col.—Eocene.
- claibornensis*, *Turbinolia* Vaughan, 1900a
S: M158120, Claiborne, 1 col.; S: M158123, USGS 2391, 2

- col.—Eocene.
- clarendonensis*, *Eupsammia* Wells, 1934
H: 44290, J606M, 1 corallum; P: 44291, J608M, 1 corallum.—M. Eocene.
Remark: Species subsequently transferred to *Balanophyllia*.
- clarki*, *Turbinolia* Quayle, 1932
P: M371672, Fresno, 1 corallum; P: M371673, Fresno, 1 corallum.—Eocene.
- clavus*, *Anthophyllum* Dana, 1846
S: 46, Fiji (USEE), 1 col.; S: 47, Fiji (USEE), 1 col.—Recent.
Remark: Junior synonym of *Galaxea astreata* (Lamarck, 1816) (see Veron and Pichon, 1980).
- clavus*, *Pavonia* Dana, 1846
S: 221, Fiji (USEE), 1 col.—Recent.
Remark: Species subsequently transferred to *Pavona*.
- clavus* forma, *Porites compressa* Vaughan, 1907a
H: 21271, Molokai, 1 col.—Recent.
- clveii*, *Goniopora* Vaughan, 1919
P: M325111, USGS 6893, 3 col.; P: M325115, USGS 6966, 1 col.—M. Miocene.
Remark: Junior synonym of *Porites portoricensis* (Vaughan, 1919) (see Foster, 1986).
- clivosa*, *Pavonia* Verrill, 1869b
S: 62699, Pearl Id., 1 col. (ex YPM 1678)—Recent.
Remark: Species subsequently transferred to *Pavona*.
- clypeus*, *Halomitra* Verrill, 1864
S: 159, Fiji (USEE), 1 col.—Recent.
Remarks: Based on Dana's (1846) *Halomitra pileus* (Linnaeus, 1758) and a junior synonym of the same species, according to Veron and Pichon (1980).
- coaligensis*, *Astrangia* Vaughan, 1909
S: M165666, USGS 4710, 2 col.—Miocene.
- coalescens* var., *Sideropora digitata* Dana, 1846
S: 342, Fiji (USEE), 1 col.—Recent.
Remark: Species subsequently transferred to *Stylophora*.
- cocosensis*, *Montipora* Vaughan, 1918
S: 68297, Cocos-Keeling Id., 4 col.—Recent.
Remark: Junior synonym of *Montipora angulata* (Lamarck, 1816) (see Veron and Wallace, 1984).
- cocosensis*, *Porites* Wells, 1950
H: 44339, Cocos-Keeling Id., 1 col.; P: 44340, Cocos-Keeling Id., 1 col.—Recent.
Remark: ?Junior synonym of *Porites cylindrica* Dana, 1846 (Veron, pers. comm.).
- colei*, *Caryophyllia* Wells, 1945
H: 68338, S80, 1 corallum.—Eocene.
- colei*, *Montipora* Wells, 1954
H: 44744, sta. 109, 4 frag. of same col.—Recent.
Remark: Junior synonym of *Montipora undata* Bernard, 1897 (see Veron and Wallace, 1984).
- collinensis*, *Hindeastraea* Hoffmeister, 1929b
H: I73698 (not 73608 as reported), USGS 13837, 1 col.; P: I73699 (not 73609 as reported), USGS 13837, 8 col.—Cretaceous.
- colonensis*, *Porites* Zlatarski, 1990
H: 82020, Largo Remo, 1 col.; P: 82021–82054, Largo Remo, 34 col.—Recent.
- coloradoensis*, *Trochocyathus* Vaughan and Popenoe, 1935
S: M371035, USGS 11913, 4 coralla.—Eocene.
- columbaris*, *Stylina* Scott and Aleman, 1984
H: I366550, Perico Hills, 1 col., 2 frag., 1 TS.—L. Cretaceous.
- columna*, *Goniopora* Dana, 1846
S: 5781, Fiji (USEE), 1 col.—Recent.
- columna*, *Psammocora* Dana, 1846
H: 188, Fiji (USEE), 1 large col.—Recent.
Remark: Species subsequently transferred to *Coscinarea* (see Veron and Pichon, 1980).
- compacta* forma, *Porites compressa* Vaughan, 1907a
H: 21270, Kahana, 1 col.—Recent.
- complanata*, *Pavonia* Verrill, 1866a
H: 373, Loo Choo (NPEE), 1 col.—Recent.
Remark: Species subsequently transferred to *Pavona*.
- compressa*, *Porites* Dana, 1846
S: 711, Sandwich Ids. (USEE), 1 col.; S: 653, Sandwich Ids. (USEE), 1 col.—Recent.
Remark: Rathbun (1888) reported a syntype numbered 651, but this specimen cannot be found.
- conferta*, *Haimesiastraea* Vaughan, 1900a
S: 68263, Gregg's Landing, 1 col., 3 frag., 4 TS (M158303); S: M158311, Prairie Creek, 1 col.; S: M158305, loc. #284, 1 TS.—Eocene.
- conferta*, *Pourtalesmilia* Cairns, 1978a
H: 46851, *Silver Bay*-5660, 1 col.; P: 46852, *Silver Bay*-5660, 2 col., 5 frag.; P: 46853, *Silver Bay*-332, 6 frag.; P: 46854, *Gerda*-134, 6 frag.; P: 46855, off Florida, 1 col.; P: 46856, *Albatross* station unknown, 2 frag.; P: 46857, *Chain* 35-15, 18 frag.; P: 46858, *Chain* 35-16, 10 frag.—Recent.
- confertifolia*, *Fungia* Dana, 1846
S: 121, Fiji (USEE), 1 col.—Recent.
Remark: Junior synonym of *Fungia fungites* (Linnaeus, 1758) (see Veron and Pichon, 1980).
- conicula*, *Montipora* Wells, 1954
H: 44742, sta. 38a, 1 col.—Recent.
- coniformis* var., *Balanophyllia irrorata* Vaughan, 1900a
S: M158361, Smithville, 1 corallum.—Eocene.
- conigera*, *Madrepora* Dana, 1846
S: 239, Singapore (USEE), 1 col.; S: 240, Singapore (USEE), 1 col.—Recent.
Remark: Junior synonym of *Acropora robusta* (Dana, 1846) (see Veron and Wallace, 1984).
- conjugens* forma, *Porites compressa* Vaughan, 1907a
H: 21276, Molokai, 1 large col.—Recent.
- conoideum*, *Flabellum* Vaughan, 1900a
S: M157851, Prairie Creek, 3 coralla.—Eocene.

- constricta*, *Caryophyllia* Vaughan and Popenoe, 1935
S: M371033, USGS 10420, 2 coralla.—Eocene.
- contracta* forma, *Agaricia fragilis* Wells, 1973a
H: 53484, DBL 301, 1 col.—Recent.
- convexa*, *Madrepora* Dana, 1846
S: 236, 262, 85753, 85754, 85755, Singapore (USEE), 1 col. each.—Recent.
Remark: ?Junior synonym of *Acropora millepora* (Ehrenberg, 1834) (see Veron and Wallace, 1984).
- cornu*, *Balanophyllia* Sokolow, 1894
S: M157523, Russia, 6 coralla.—Oligocene.
Remark: Junior primary homonym of *B. cornu* Moseley, 1881.
- coronata*, *Astraea* (*Orbicella*) Dana, 1846
S: 57, Tahiti (USEE), 1 col.; S: 58, Wake's Id., 1 col.—Recent.
Remark: Junior synonym of *Montastraea curta* (Dana, 1846).
- corrugata*, *Caryophyllia* Cairns, 1979
P: 46859, Pillsbury-991, 1 corallum; P: 46860, Silver Bay-3494, 2 coralla.—Recent.
- costata*, *Mussa* Dana, 1846
?H: 43, Tahiti (USEE), 1 col. in 4 pieces.—Recent.
Remark: Junior synonym of *Lobophyllia hemprichii* (Ehrenberg, 1834) (see Veron and Pichon, 1980).
- coulsoni*, *Desmophyllum* Wells, 1977
H: I208327, USGS 24686, 1 corallum; P: I208342, USGS 24686, 1 col.—Eocene.
- craginiana*, *Pleurosmilia* Wells, 1933
H: I75136, Benbrook Co., 1 col.; P: I75217, southeast of Weatherford, 4 col.—L. Cretaceous.
Remark: Species subsequently transferred to *Axosmilia*.
- crassa*, *Fungia* Dana, 1846
H: 139, Fiji (USEE), 1 col.—Recent.
Remark: Species subsequently transferred to *Ctenactis* (see Hoeksema, 1989).
- crassicostata* var., *Turbinolia barbadiana* Wells, 1945
H: 68353, S58, 1 corallum.—Eocene.
- crassisepta* var., *Dichocoenia merriami* Vaughan, 1917b
H: M325291, USGS 7616, 1 col.—Pliocene.
- crassus*, *Herpetolithus* Dana, 1846
S: 160, Fiji (USEE), 1 col.—Recent.
Remark: Junior synonym of *Herpolitha limax* (Esper, 1797) (see Hoeksema, 1989).
- cribraria*, *Micrabacia* Stephenson, 1917
H: I31996, USGS 5354, 1 corallum; P: I32013, USGS 5362, 1 corallum.—U. Cretaceous.
- cribripora*, *Madrepora* Dana, 1846
S: 289, Fiji (USEE), 1 col.—Recent.
Remark: Junior synonym of *Acropora aspera* (Dana, 1846) (see Veron and Wallace, 1984).
- cribripora*, *Porites* Dana, 1846
H: 670, Fiji (USEE), 1 col.—Recent.
- crispa*, *Merulina* Dana, 1846
H: 4484, Sulu Sea (USEE), 4 frag.—Recent.
Remark: Junior synonym of *Merulina ampliata* (Ellis and Solander, 1786) (see Veron and Pichon, 1980).
- cristatus*, *Placocyathus* Vaughan in Vaughan and Hoffmeister, 1925
H: M353643, USGS 7785, 1 corallum.—Miocene.
Remark: Species transferred to *Antillocyathus* by Cairns and Wells (1987).
- cucullata* var., *Dendrophyllia amphelioides* Vaughan, 1907a
S: 20831, Albatross-3827, 1 col.; S: 20832, Albatross-3922, 2 branches; S: 20833, Albatross-3982, 2 branches.—Recent.
Remarks: It is clear that Vaughan (1907a) meant to place this species in the genus *Anisopsammia*, but, regardless, it is a junior synonym of *Enallopsammia rostrata* (Pourtales, 1878) (see Cairns, 1983a, 1984).
- cumanensis*, *Thecosmilia* Wells, 1944a
H: M547398 (I259302), Cumaná, 1 col., 1 TS; P: M547387 (I312020), Cumaná, 1 TS; P: M547390 (I312016), Cumaná, 1 TS; P: M547399, Cumaná, 1 col., 1 TS; P: M547402 (I259300), Cumaná, 1 col.—L. Cretaceous.
- cumingii*, *Flabellum* Milne Edwards and Haime, 1848a
N: 81976, Te Vega 1-54, 1 corallum.—Recent.
Remarks: Neotype designated by, and species subsequently transferred to *Truncatoflabellum*, Cairns (1989).
- cumutensis*, *Orbicella* Hoffmeister in Vaughan and Hoffmeister, 1926
H: M353678, USGS 9217, 1 col.—U. Miocene.
Remark: Junior synonym of *Montastraea annularis* (Ellis and Solander, 1786) (A. Budd, pers. comm.)
- cuneata*, *Madrepora* Dana, 1846
H: 334, Fiji (USEE), 1 col.—Recent.
Remark: Species subsequently transferred to *Acropora*.
- curta*, *Astraea* (*Orbicella*) Dana, 1846
S: 14, Fiji (USEE), 1 col.; S: 22, Fiji (USEE), 1 col.—Recent.
Remark: Species subsequently transferred to *Montastraea* (see Veron, Pichon, and Wijsman-Best, 1977).
- cuspidata*, *Madrepora* Dana, 1846
S: 314, Tahiti (USEE), 1 col., 2 frag.; S: 3969, Tahiti (USEE), 1 col.—Recent.
Remark: Species subsequently transferred to *Acropora*.
- cuyleri*, *Siderastrea* Wells, 1932
S: I75126, Cow Co., 1 col.—Cretaceous.
- cyclopea*, *Madrepora* Dana, 1846
S: 231, Wake's Id. (USEE), 1 col.; S: 232, Wake's Id. (USEE), 1 col.; S: 233, Wake's Id. (USEE), 1 col.—Recent.
Remark: ?Junior synonym of *Acropora robusta* (Dana, 1846) (see Veron and Wallace, 1984:201).
- cylindrica*, *Porites* Dana, 1846
S: 708, Fiji (USEE), 1 col.—Recent.
- cylindricus*, *Paracyathus* Vaughan, 1900a
S: M158209, loc. #264, 2 col.—Eocene.

- cytherea*, *Madrepora* Dana, 1846
S: 226-229, 242, 359, 421-423, 3989, 3990, 4004, 4014, 4020, Tahiti (USEE), each catalog number with 1 col. each.—Recent.
Remark: Species transferred to *Acropora*.
- cytherea*, *Mussa* Dana, 1846
S: 87, Tahiti (USEE), 1 col.—Recent.
Remark: Junior synonym of *Lobophyllia hemprichii* (Ehrenberg, 1834) (see Veron and Pichon, 1980:266).
- dakotaensis*, *Trochocyathus* Vaughan, 1920
H: I32374, USGS 7962, 1 corallum.—?Cretaceous.
- dalli*, *Caryophyllia* Vaughan, 1900a
H: M158213, USGS 2003, 1 corallum.—Eocene.
- dalli*, *Siderastrea* Vaughan, 1919
H: M325196, USGS 3300, 1 col.; P: M325195, USGS 2094, 3 col., 1 TS.—Pleistocene.
Remark: Junior synonym of *Siderastrea hillsboroensis* Vaughan, 1919 (A. Budd, pers. comm.).
- danae*, *Dendrophyllia* Verrill, 1872
H: 182, Fiji (USEE), 1 col.—Recent.
Remark: Based on Dana's (1846) *Dendrophyllia cocinea* (Ehrenberg).
- danae*, *Fungia* Milne Edwards and Haime, 1851a
PL: 125, East Indies (USEE), 1 col.—Recent.
Remarks: Based on Dana's (1846) typical specimen of *Fungia echinata* (Esper). Paralectotype (USNM 125) designated by Hoeksema (1989:109), which he reidentified as *Fungia scuposa* Klunzinger, 1879 (see Hoeksema, 1989:108). Another paralectotype (USNM 124) was designated by Hoeksema (1989:109), which is also the holotype of *Fungia lacera* Verrill, 1866a and thus the senior synonym of *F. scruposa* Klunzinger, 1879. The lectotype of *F. danae* (MNHN 484) is a junior synonym of *Fungia horrida* (see Hoeksema, 1989:102).
- danae*, *Montipora* Milne Edwards and Haime, 1851b
L: 307, Fiji (USEE), 1 col.—Recent.
Remarks: Based on Dana's (1846) *Manopora tuberculosa* (Lamarck). Lectotype designated by Veron and Wallace (1984).
- danae*, *Pocillopora* Verrill, 1864
H: 696, Fiji (USEE), 1 col.—Recent.
Remarks: Based on Dana's (1846) Fijian specimen of *Pocillopora favosa* (Ehrenberg). Junior synonym of *Pocillopora verrucosa* (Ellis and Solander, 1786) (see Veron and Pichon, 1976).
- danae*, *Porites* Milne Edwards and Haime, 1851b
S: 684, Fiji (USEE), 1 col.—Recent.
Remarks: Based on Dana's (1846) *Porites contigua* (Esper). Junior synonym of *Psammocora contigua* (Esper, 1797).
- danae*, *Stylophora* Milne Edwards and Haime, 1850
S: 85756, Singapore (USEE), 1 col. and 14 frag.—Recent.
Remark: Based on Dana's (1846) *Sideropora palmata* (Blainville).
- danai*, *Cyphastraea* Milne Edwards and Haime, 1857
S: 85764, Fiji (USEE), 1 col.—Recent.
Remarks: Based on Dana's (1846) *Astraea (Orbicella) microphthalma* (Lamarck). Junior synonym of *Cyphastraea serailia* (Forskal, 1775) (see Veron, Pichon, and Wijsman-Best, 1977).
- danai*, *Favia* Milne Edwards and Haime, 1857
H: 32, Tongabatu (USEE), 1 col.; P: 31, Tongabatu, 1 col.—Recent.
Remarks: Based on Dana's (1846) *Astraea (Fissicella) porcata* (Esper). Most coral workers cite the authorship of this species as Verrill (1872), but Milne Edwards and Haime (1857) clearly have priority.
- danai*, *Lophoseris* Milne Edwards and Haime, 1860
H: 136, Sulu Sea (USEE), 1 col.—Recent.
Remarks: Based on Dana's (1846) *Pavonia boletiformis* (Lamarck). Species subsequently transferred to *Pavona*.
- danai*, *Madrepora* Milne Edwards and Haime, 1860
H: 303, Tahiti (USEE), 1 col.—Recent.
Remarks: This is a replacement name for *Madrepora deformis* described by Dana (1846), Dana's name being a junior secondary homonym of *Madrepora deformis* (Michelin, 1851). Species subsequently transferred to *Acropora*.
- dartoni*, *Archohelia* Wells, 1933
H: I75229, Laney, 1 col.; P: I192397-I192402, Laney, 6 col.—U. Cretaceous.
- decaturensis*, *Astrocoenia* Vaughan, 1919
H: M324789, USGS 3383, 1 col.; P: M324788, USGS 3383, 1 col.—L. Miocene.
Remark: Junior synonym of *Astrocoenia guantanamoensis* Vaughan, 1919 (A. Budd, pers. comm.).
- decaturensis*, *Goniopora* Vaughan, 1919
H: M325031, USGS 3383, 1 col.—L. Miocene.
Remark: ?Junior synonym of *Goniopora imperatoris* Vaughan, 1919 (A. Budd, pers. comm.).
- deculpum*, *Desmophyllum* Wells, 1977
H: I208324, USGS 24686, 1 corallum; P: I208325, USGS 24686, 1 corallum.—Eocene.
- decussata*, *Pavonia* Dana, 1846
S: 176, 200, 201, Fiji (USEE), 3 col.—Recent.
Remark: Species subsequently transferred to *Pavona*.
- deformis*, *Madrepora* Dana, 1846
H: 303, Tahiti (USEE), 1 col.—Recent.
Remarks: Junior secondary homonym of *Madrepora deformis* Michelin (1841). Replacement name *Madrepora danae* suggested by Milne Edwards and Haime (1860). Species subsequently transferred to *Acropora*.
- delicatuula* subforma, *Porites compressa* forma *angustisepta* Vaughan, 1907a
H: 20929, Molokai, 1 col.—Recent.
- delta* subforma, *Porites lobata* forma *centralis* Vaughan, 1907a
H: 22244, Kaunakakai, 1 col.—Recent.

denaria, *Caryophyllia* Wells, 1977

H: I208308, USGS 24686, 1 corallum; P: I208309–208311 (last numbered paratype only mentioned in plate caption), USGS 24686, 3 coralla.—Eocene.

dennanti, *Fungiacyathus* (*Bathyactis*) Cairns and Parker, in press
P: 85676, Neptune Id., 8 frag., SEM stub 511.—Recent.

densa, *Porites* Vaughan, 1918

H: 47234, Murray Id., 1 col.—Recent.

densimurata forma, *Porites compressa* Vaughan, 1907a

S: 20945–20947 (not 20949 as stated in text), Molokai, 3 col.—Recent.

dentata, *Fungia* Dana, 1846

S: 105–108, East Indies (USee), 4 col.—Recent.

Remark: Junior synonym of *Fungia fungites* (Linnaeus, 1758) (see Veron and Pichon, 1980).

depressus, *Trochocyathus* Vaughan, 1900a

S: M158159, USGS 2626, 2 frag.; S: M158160, USGS 2626, 4 coralla.—Eocene.

desmophyllioides, *Balanophyllia* Vaughan, 1907a

H: 20824, *Albatross*-4061, 2 coralla.—Recent.

diaphana, *Dendrophyllia* Dana, 1846

H: 180, Singapore (USee), 1 col.—Recent.

dietzi, *Astrocoenia* Hamilton, 1956

H: I189889, Cape Johnson Guyot, 1 col. now in 6 pieces.—Cretaceous.

digitata, *Leptoseris* Vaughan, 1907a

S: 20892, *Albatross*-3847, 2 col.; S: 20896, *Albatross*-3847, 2 col.—Recent.

Remark: Junior synonym of *Leptoseris papyracea* (Dana, 1846) (see Veron and Pichon, 1980).

digitata, *Manopora* Dana, 1846

H: 312, Fiji (USee), 1 col.—Recent.

Remark: Species subsequently transferred to *Montipora*.

dineta, *Balanophyllia* Cairns, 1977a

H: 45858, *Pillsbury*-718, 1 corallum; P: 45859, *Pillsbury*-718, 115 coralla; P: 45860, *Pillsbury*-694, 2 coralla; P: 45861, *Pillsbury*-705, 2 coralla; P: 45862, *Pillsbury*-709, 41 coralla; P: 45863, *Pillsbury*-717, 11 coralla; P: 45864, *Pillsbury*-721, 1 corallum; P: 45865, *Pillsbury*-722, 3 coralla; P: 45866, *Pillsbury*-734, 5 coralla; P: 45867, *Pillsbury*-737, 7 coralla; P: 45868, *Pillsbury*-757, 1 corallum; P: 45869, *Pillsbury*-769, 6 coralla; P: 45870, *Pillsbury*-775, 4 coralla.—Recent.

diomedea, *Acropora* Vaughan, 1906a

H: 68307, Manga Reva, 1 col.—Recent.

Remark: ?Junior synonym of *Acropora nasuta* (Dana, 1846) (see Veron and Wallace, 1984).

diomedea, *Balanophyllia* Vaughan, 1907a

S: 20825, *Albatross*-4098, 2 coralla.—Recent.

diomedea, *Caryophyllia* Marenzeller, 1904

S: 22083, *Albatross*-3358, 1 corallum.—Recent.

diomedea, *Cyathoceras* Vaughan, 1907a

H: 20735, *Albatross*-3835, 1 corallum; P: 20736, *Albatross*-3999, 2 coralla; P: 20737, *Albatross*-3835, 1 corallum; P:

20738, *Albatross*-3952, 1 corallum.—Recent.

Remark: Junior synonym of *Crispatotrochus rubescens* (Moseley, 1881) (see Cairns, 1984, 1990).

diomedea, *Pocillopora* Vaughan, 1906a

S: 68277, Easter Id., 2 branch frag.—Recent.

discoidea, *Hindeastraea* White, 1888

S: I19166, Kaufman Co., 3 col.—U. Cretaceous.

discus, *Fungia* Dana, 1846

L: 144, Tahiti (USee), 1 corallum; PL: 143, ?Tahiti

(USee), 1 corallum; PL: 145, ?Tahiti (USee), 1 corallum.—Recent.

Remarks: Lectotype designated by Hoeksema (1989:92).

Junior synonym of *Fungia repanda* Dana, 1846 (see Hoeksema, 1989).

distans var., *Acropora teres* Wells, 1954

H: 44464, *Albatross* 18-I-1900, 1 col.; P: 44462, *Albatross* 18-I-1900, 4 branches.—Recent.

distorta, *Caulastraea* Dana, 1846

S: 82, Fiji (USee), 1 col.—Recent.

Remark: Junior synonym of *Caulastraea furcata* Dana, 1846 (see Veron, Pichon, and Wijsman-Best, 1977).

divaricans var., *Porites compressa* Vaughan, 1907a

H: 21269, Kahana, 1 col.—Recent.

divaricata, *Madrepora* Dana, 1846

H: 299, Fiji (USee), 1 col.—Recent.

Remark: Species subsequently transferred to *Acropora*.

djiboutiensis, *Goniopora* Vaughan, 1907b

H: 21990, Djibouti, half of holotype.—Recent.

dominicensis, *Agaricia* Vaughan, 1919

H: M324973, USGS 7778, 1 col.—Neogene.

dominicensis var., *Siderastrea siderea* Vaughan, 1919

H: 36909, Haiti, 1 col.—Recent.

douvillei, *Porites* Vaughan, 1919

L: M325106, USGS 6016, 1 col. (missing in 1990); PL: 85763, USGS 6016, 1 col.—Recent.

Remark: Lectotype designated by Foster (1986:75).

duerdeni, *Pavona* Vaughan, 1907a

S: 21630, Molokai, 1 col.; S: 21631, Molokai, 1 col.—Recent.

duerdeni, *Porites* Vaughan, 1907a

H: 20954, Kaneohe, 1 col.—Recent.

dumblei, *Caryophyllia* Vaughan and Popenoe, 1935

S: M371036, USGS 11948, 3 coralla.—Eocene.

dumblei, *Maeandra* Vaughan, 1919

H: M325005, San Jose, 1 col.—Tertiary.

Remark: Species subsequently transferred to *Diploria*.

duncani, *Javania* Wells, 1977

H: I208332, USGS 24686, 1 corallum; P: I208333, USGS 24686, 1 corallum.—Eocene.

duncani, *Madracis* Wells, 1945

H: 68327, S101, 1 col.; P: 68328, S101, 19 frag.—Eocene.

duncani, *Mesomorpha* Vaughan, 1900a

S: M158323, Prairie Creek, 3 col.—Eocene.

Remark: Species probably belongs to *Thamnasteria*.

- duncani*, *Trochocyathus* Cairns and Wells, 1987
H: 74684, TU1208, 1 corallum; P: 74685, TU1208, 4 coralla; P: 63042, USGS 8735, 1 corallum.—Early Pliocene.
- durhami*, *Sideroseris* Wells, 1945
H: 68331, S80, 1 col.; P: 68332, S80, 1 col.—Eocene.
- eccentricus*, *Deltocyathus* Cairns, 1979
H: 46986, Pillsbury-881, 1 col.; P: 46428, Pillsbury-881, 71 coralla.—Recent.
- echinata*, *Astraea* (*Fissicella*) Dana, 1846
S: 25, Fiji (USEE), 1 col.—Recent.
Remark: Species subsequently transferred to *Acanthastrea* (see Veron and Pichon, 1980).
- echinata*, *Cladopsammia* Cairns, 1984
H: 60518, Sango 2-4, 1 col., SEM stub 134; P: 60524, Sango 2-6, 4 col.; P: 60520, Sango 13-1C, 2 frag.; P: 60526, Sango 13-4, 1 col.; P: 60519, Sango 14-2B, 4 col.; P: 60525, Sango 16-1, 1 col.; P: 60521, Sango 16-3, 2 col.; P: 60522, Sango 16-5, 1 col.; P: 60523, Sango 16-8, 7 frag.—Recent.
- echinata*, *Madrepora* Dana, 1846
S: 275, Fiji (USEE), 1 col.; S: 276, Sulu Sea (USEE), 1 frag.—Recent.
Remarks: According to Hoffmeister (1925:66), specimen 276 is *Acropora proluxa* Verrill, 1866. Specimen 275 would then be the logical choice for the lectotype for *Acropora echinata* (see Veron and Wallace, 1984:374).
- echinatus*, *Zoopilus* Dana, 1846
S: 154, Fiji (USEE), 1 col. in 3 pieces.—Recent.
- edwardsensis*, *Orbicella* Wells, 1933
H: I75115, Hiram Hill Ranch, 1 col. and 5 TS.—L. Cretaceous.
Remark: Species subsequently transferred to *Montastrea*.
- effusa*, *Manopora* Dana, 1846
L: 316, Tahiti (USEE), 1 col.—Recent.
Remarks: Lectotype designated by Veron and Wallace (1984:91): however, they undoubtedly meant to cite USNM 316, not 361, as stated. ?Senior synonym of *Montipora efflorescens* Bernard, 1897 (see Veron and Wallace, 1984).
- egeria*, *Caryophyllia* White, 1879
S: I8083, Sage Creek, 2 coralla.—Cretaceous.
- eguchii*, *Balanophyllia* Wells, 1982
H: 46966, Marchena, 1 col.—Recent.
- eguchii*, *Goniocorella* Wells, 1977
H: I208330, USGS 24686, 1 col.; P: I208331, USGS 24686, 1 col.—Eocene.
- elegans*, *Aldrichia* Vaughan, 1900a
S: M158010, Dry Creek, 3 coralla; S: M158011, Jackson, 5 coralla.—Eocene.
Remark: Species subsequently transferred to *Koilo-trochus*.
- elegans*, *Pocillopora* Dana, 1846
S: 720, Fiji (USEE), 1 col.—Recent.
Remark: ?Junior synonym of *Pocillopora verrucosa* (Ellis and Solander, 1786) (see Veron and Pichon, 1976).
- elizabethae*, *Paracycloseris* Wells, 1934
H: I74489, Catadupa, 1 corallum; P: 85834, Catadupa, 1 corallum.—U. Cretaceous.
- elongata*, *Balanophyllia* Vaughan, 1900a
S: M158369, Red Bluff, 5 coralla.—Eocene.
- elongata* var., *Porites mordax* Dana, 1846
H: 707, Sandwich Ids. (USEE), 1 col.—Recent.
Remarks: Also referred to as forma *beta* by Dana and forma *elongata* by Vaughan (1907a).
- elschneri*, *Montipora* Vaughan, 1918
H: 68299, Fanning Id., 1 col.—Recent.
- eltaninae*, *Caryophyllia* Cairns, 1982a
H: 47162, *Eltanin*-671, 1 corallum; P: 47163, *Eltanin*-671, 39 coralla; P: 47164, *Islas Orcadas*-575, 11 coralla.—Recent.
- eminens*, *Dichocoenia* Weisbord, 1974
P: M325293, USGS 4995, 1 col.; P: M325305, USGS 3206, 2 col.—Pleistocene.
- epsilon* subforma, *Porites lobata* forma *centralis* Vaughan, 1907a
H: 22238, WTB, 1 col.; P: 22239, Duerden, 1 col.; P: 22256 (not 22678, as originally reported), Duerden, 1 col.—Recent.
- erosa*, *Manopora* Dana, 1846
S: 308, Fiji (USEE), 1 col.—Recent.
Remark: Species subsequently transferred to *Montipora*.
- erosa*, *Porites* Dana, 1846
H: 668, Sulu Sea (USEE), 1 col.—Recent.
- etheridgi*, *Notophyllia* Hoffmeister, 1933
P: 68229, E5537, 2 coralla.—Recent.
- euaensis*, *Fungiacyathus* Wells, 1977
H: I208302, USGS 24686, 1 corallum; P: I208303, USGS 24686, 1 corallum; P: I208304, USGS 24686, 1 corallum.—Eocene.
- euaensis*, *Meandra* Hoffmeister, 1932
H: 68226, Tonga, 1 large col.—?Eocene.
Remark: A species of *Diploria*?
- evermanni*, *Porites* Vaughan, 1907a
H: 21627, Kaneohe, 1 col.—Recent.
- exesa*, *Psammocora* Dana, 1846
H: 189, Fiji (USEE), 1 col.—Recent.
Remark: Species subsequently transferred to *Coscinaraea* (see Veron and Pichon, 1980).
- exigua*, *Madrepora* Dana, 1846
H: 288, Fiji (USEE), 1 col.—Recent.
Remark: Species subsequently transferred to *Acropora*.
- exilis*, *Anomocora* Wells, 1977
H: I208328, USGS 24686, 1 col.; P: I208329, USGS 24686, 1 col.—Eocene.
- eximia*, *Astraea* (*Fissicella*) Dana, 1846
S: 36698, Wake's Id. (USEE), 2 col.—Recent.
Remark: Junior synonym of *Goniastrea retiformis* (Lamarck, 1816) (see Veron, Pichon, and Wijsman-Best, 1977).

- expansa*, *Astrangia* Vaughan, 1900a
S: M158281, Moody's Branch, 2 col.; S: M158285, Montgomery, 2 col.—Eocene.
- expansa*, *Manopora* Dana, 1846
H: 325, Singapore (USEE), 1 col.—Recent.
Remark: Junior synonym of *Montipora hispida* (Dana, 1846) (see Veron and Wallace, 1984).
- explanata*, *Alveopora* Hoffmeister, 1945
H: 68245, sta. 110A, 1 col.—Neogene.
- facetus*, *Labyrinthocyathus* Cairns, 1979
H: 46879, Gilliss-16, 1 corallum; P: 46880, Oregon-11722, 1 corallum.—Recent.
- fairbanksi*, *Stephanocoenia* Vaughan, 1900a
S: M157516, S. California, 1 col.; S: M157517, USGS 2867, 1 col., 4 TS; S: M157518, S. California, 1 col.—Pliocene.
Remark: Species subsequently transferred to *Solenastrea* (see Vaughan, 1917b).
- fanningensis* var., *Favia stelligera* Vaughan, 1918
S: 45559, Fanning Id., 1 col.—Recent.
- fasciatus*, *Trochocyathus* Cairns, 1979
H: 16116, Albatross-2354, 1 corallum; P: 46913, Albatross-2354, 2 coralla (one attached to holotype).—Recent.
- faulkneri*, *Tubastraea* Wells, 1982
H: 47145, Palau, 1 col.—Recent.
- faustinoi*, *Porites* Hoffmeister, 1925
S: 68198–68201, 85769, (Pago Pago Harbor), specimens numbered 1–5.—Recent.
- favioides*, *Barbadiastrea* Wells, 1945
H: 68333, S101, 1 col.—Eocene.
- favistella*, *Astraea* (*Fissicella*) Dana, 1846
S: 73, Fiji (USEE), 1 col.—Recent.
Remark: Junior synonym of *Goniastrea pectinata* (Ehrenberg, 1834) (see Veron, Pichon, and Wijsman-Best, 1977).
- favosa*, *Porites* Dana, 1846
H: 672, Fiji (USEE), 1 col.—Recent.
- favulus*, *Astraea* (*Fissicella*) Dana, 1846
S: 66, Fiji (USEE), 1 col.—Recent.
Remark: Junior synonym of *Goniastrea pectinata* (Ehrenberg, 1834) (see Chevalier, 1971).
- felix*, *Budaia* Wells, 1944a
H: M547390 (I349434), Cumaná, 1 col., 1 TS; P: M547395 (I312009), Cumaná, 1 TS.—L. Cretaceous.
- ferox*, *Mycetophyllia* Wells, 1973a
H: 53494, DBL 2444, 1 col.; P: 53495, DBL 392, 1 col.—Recent.
- fijiensis*, *Alveopora* Hoffmeister, 1932
H: 62493, Fiji, 1 col.—Recent.
Remark: Junior synonym of *Alveopora spongiosa* Dana, 1846 (see Veron and Pichon, 1982).
- fijiensis*, *Orbicella* Hoffmeister, 1945
H: 68246, sta. 110A, 1 large col.—Neogene.
Remark: Species subsequently transferred to *Montastraea*.
- filicosa*, *Astraea* (*Fissicella*) Dana, 1846
H: 78, Wake's Id. (USEE), 1 col.—Recent.
Remark: Junior synonym of *Favites virens* (Dana, 1846) (see Wijsman-Best, 1972).
- fissilis*, *Fungiacyathus* Cairns, 1984
H: 60514, HON 3-0, 1 frag. (SEM stub 191); P: 62707, HON 9-4C, 1 frag.; P: 60750, BB76076, 1 frag.—Recent.
- flabellata*, *Erythrastrea* Scheer and Pillai, 1983
P: 78094, Ghardaqa, 1 frag.—Recent.
Remark: Scheer and Pillai (1983) cite Pichon, Scheer, and Pillai (in press) as the authors of both the genus and species, but, to my knowledge, this paper has never been published. Both the generic and species descriptions of Scheer and Pillai (1983) satisfy the requirements of the Code and therefore should be considered as the original descriptions.
- flabellata* forma, *Eusmilium fastigiata* Wells, 1973a
H: 53501, DBL 1194, 1 col.; P: 53502, DBL 1187, 1 col.—Recent.
- flexuosa*, *Astraea* (*Fissicella*) Dana, 1846
S: 27, Fiji (USEE), 1 col.—Recent.
Remark: Species subsequently transferred to *Favites*.
- flexuosum*, *Flabellum* Cairns, 1982a
H: 47170, Eltanin-1536, 1 corallum; P: 47171, Eltanin-1536, 9 coralla; P: 47172, Eltanin-1933, 1 corallum; P: 47173, *Islas Orcadas* 575-93, 21 coralla.—Recent.
- floreana*, *Tubastraea* Wells, 1982
H: 46974, Floreana, 1 col.—Recent.
- florida*, *Madrepora* Dana, 1846
H: 282, Fiji (USEE), 1 branch.—Recent.
Remark: Species subsequently transferred to *Acropora*.
- floridaeprima*, *Porites* Weisbord, 1973
S: 66159, USGS 3286, 2 col.—L. Miocene.
Remarks: Species same taxon as *Porites floridae prima* of Barnard (1906) but considered invalid because Barnard did not consistently use binomial nomenclature. Specimen same used for basis of *Porites wilcoxi* Vaughan, 1915 (nom. nud.).
- floridana*, *Phyllangia* Gane, 1895
H: 62700, Alligator Creek, 1 col.—Pliocene.
Remark: Species subsequently transferred to *Astrangia* (see Wells, 1947).
- floweri*, *Montipora* Wells, 1954
H: 44746, sta. 110, 1 col.; P: 44747, sta. 110, 1 col.—Recent.
Remark: Paratype mentioned only in plate caption.
- foliosa*, *Leptoseria* Dinesen, 1980
P: 54200, Esk Id., 1 col.—Recent.
- foliosa*, *Pavonia* Verrill, 1866a
H: 413, Ousima (NPEE), 1 col.—Recent.
Remark: Species subsequently transferred to *Pavona*.
- formosa*, *Madracis* Wells, 1973a
H: 53479, DBL 747, 1 col.; P: 53480, DBL 795, 1 col.; P: 53481, DBL 734, 1 col.—Recent.

- formosa*, *Madrepora* Dana, 1846
S: 292, Sulu Sea (USEE), 1 col.; S: 294, 888, Fiji (USEE), 1 col. each.—Recent.
Remark: Species subsequently transferred to *Acropora*.
- formosa*, *Pavonia* Dana, 1846
S: 95, 96, 135, Tahiti (USEE), 1 col. each.—Recent.
Remark: Species subsequently transferred to *Pavona*.
- formosum*, *Truncatoflabellum* Cairns, 1989
H: 81953, *Albatross*-5249, 1 corallum; P: 81954, *Albatross*-5289, 1 corallum; P: 40778, *Albatross*-5265, 3 coralla; P: 40786, *Albatross*-5618, 1 col. (in alcohol).—Recent.
- fossata*, *Psammocora* Dana, 1846
H: 198, Fiji (USEE), 1 col.—Recent.
Remark: Junior synonym of *Coscinaraea columna* (Dana, 1846).
- fossulus*, *Trochocyathus* Cairns, 1979
H: 46881, *Pillsbury*-991, 1 corallum; P: 46882, *Columbus Iselin*-6, 1 corallum.—Recent.
- fragarioides*, *Spehenotrochus* Wells, 1945
H: 68351, S101, 1 corallum.—Eocene.
- fragile* var., *Flabellum cuneiforme* Vaughan, 1900a
S: M157971, Baker's Bluff, 1 corallum.—Eocene.
- fragile*, *Flabellum* Cairns, 1977c
H: 45764, *Hernan Cortez* sta. E, 1 corallum; P: 45766, *Hernan Cortez* sta. E, 1 corallum; P: 45767, Alligator Reef, 1 corallum; P: 45765, Egmont Key, 1 corallum.—Recent.
Remark: Junior primary homonym of *Flabellum cuneiforme* var. *fragile* Vaughan, 1900a; replacement name *Flabellum floridanum* given here.
- fragilis*, *Astraea* (*Fissicella*) Dana, 1846
S: 24, East Indies (USEE), 1 col.—Recent.
Remark: Junior synonym of *Favia speciosa* (Dana, 1846) (see Vaughan, 1918).
- fragilis* forma, *Porites compressa* Vaughan, 1907a
H: 20928, Pearl Harbor, 1 col.—Recent.
- fragosa*, *Porites* Dana, 1846
H: 643, Fiji (USEE), 1 large col.—Recent.
- fredericksburgensis*, *Favoidioseris* Wells, 1933
H: I75134, Belton, 1 col.; P: I311586, Belton, specimens 4, 8–10; P: I75129, Belton, 1 col.; P: I313352, Belton, 1 col.—L. Cretaceous.
Remark: Species subsequently transferred to *Ovalastrea*.
- frondens*, *Gemmipora* Dana, 1846
S: 214, Fiji (USEE), 1 col. in 2 pieces.—Recent.
Remark: Species subsequently transferred to *Turbinaria*.
- frondosa*, *Pocillopora* Verrill, 1869a
H: 62701, Hawaii, 2 frag. of holotype (ex YPM 1276).—Recent.
- frondosa*, *Psammocora* Verrill, 1872
H: 217, Fiji (USEE), 1 col.—Recent.
Remarks: Based on Dana's (1846) *Psammocora plicata* (Lamarck). Junior synonym of *Psammocora contigua* (Esper, 1797) (see Veron and Pichon, 1976:22).
- frusta*, *Placotrochides* Cairns, 1979
H: 36451, *Albatross*-2750, 1 corallum; P: 36453, *Albatross*-2750, 5 coralla.—Recent.
- fundimaritima*, *Lophosmilia* Hamilton, 1956
H: I189892, Cape Johnson Guyot, 1 corallum.—Cretaceous.
- furcata*, *Caulastraea* Dana, 1846
S: 80, Fiji (USEE), 1 col. broken into 3 pieces.—Recent.
- fuscus*, *Placotrochus* Vaughan, 1907a
S: 20732, *Albatross*-3886, 1 corallum; S: 20733, *Albatross*-3999, 1 corallum; S: 20734, *Albatross*-3999, 1 corallum.—Recent.
- galapagense*, *Desmophyllum* Vaughan, 1906a
H: 68275, *Albatross*-4642, 1 corallum.—Recent.
Remark: Junior synonym of *Javana cailleti* (Duchassaing and Michelotti, 1864) (see Cairns, 1991).
- galapagensis*, *Balanophyllia* Vaughan, 1906a
H: 68278, *Albatross*-4642, 1 corallum.—Recent.
- galapagensis*, *Crispatotrochus* Cairns, 1991
H: 84808, *Johnson-Sea-Link* 1931, 1 corallum; P: 84809, *Johnson-Sea-Link* 1913, 1 corallum; P: 84810, *Johnson-Sea-Link* 1929, 3 coralla; P: 84811, *Johnson-Sea-Link* 1935, 1 corallum; P: 85222, *Johnson-Sea-Link* 1911, 1 corallum.—Recent.
- galapagensis*, *Madrepora* Vaughan, 1906a
S: 68276, *Albatross*-4642, 2 col.—Recent.
- galeriformis*, *Polyphyllia* Dana, 1846
S: 155, Fiji (USEE), 1 col.; S: 156, Fiji (USEE), 1 col. in 13 frag.—Recent.
Remark: Junior synonym of *Polyphyllia novaehiberniae* (Lesson, 1831) (see Hoeksema, 1989).
- gamma* subforma, *Porites lobata* forma *centralis* Vaughan, 1907a
H: 21626, Molokai, 1 col.—Recent.
- ganei*, *Madracis* Vaughan, 1900a
S: M158265, Natchitoches, 4 branch frag.—Eocene.
- gardineri*, *Flabellum* Cairns, 1982a
P: 48300, *Discovery*-160 (ex BM), 2 coralla.—Recent.
- gardineri*, *Paracyathus* Vaughan, 1907a
S: 20754, *Albatross*, 2 coralla; S: 20753, *Albatross*, 1 corallum.—Recent.
Remark: Species subsequently transferred to *Trochocyathus* (see Cairns, 1984).
- gardnerae*, *Archohelia* Vaughan, 1941
S: M547325, USGS 14837, 2 col.; S: M547326, USGS 14837, 4 col.; S: M547327, USGS 14837, 1 col.; S: M547328, USGS 14837, 1 col.—M. Eocene.
- gardnerae*, *Trochocyathus* Wells, 1933
H: I75143, Onim Creek, 1 corallum; P: I75157, Onim Creek, 3 coralla.—U. Cretaceous.
- gasparillensis*, *Psammocora* Vaughan in Vaughan and Hoffmeister, 1926
H: M353673, USGS 8297, 1 col.—Miocene.
- gemminata*, *Heteropsammia* Verrill, 1870
S: 38353, Burma, 1 corallum (ex YPM 3865).—Recent.
- georgiana* var., *Micrabacia rotatilis* Stephenson, 1917
H: I31998, USGS 5417, 1 corallum; P: I31999, USGS 5417,

- 1 corallum; P: I32017, USGS 5417, 5 coralla.—U. Cretaceous.
- gerdae*, *Rhizosmilia* Cairns, 1978b
H: 46812, *Gerda*-725, 1 col.; P: 46813, *Gerda*-725, 36 corallites; P: 46814, *Gerda*-698, 1 col.; P: 46815, *Gerda*-701, 2 col.; P: 46816, *Gerda*-702, 4 corallites, 1 TS; P: 16138, *Albatross*-2332, 1 col.; P: 36364, *Albatross*-2334, 2 col. and 2 corallites; P: 10210, *Albatross*-2336, 1 corallite; P: 36418, *Albatross*, 1 col.—Recent.
- gibsonhilli*, *Porites* Wells, 1950
H: 44337, Cocos-Keeling Id., 1 col. and 3 branch frag. (82617).—Recent.
Remark: Junior synonym of *Porites cylindrica* Dana, 1846 (J. Veron, pers. comm.).
- gigantea*, *Fungia ehrenbergi* Dana, 1846
S: 141, Fiji (USEE), 1 col.—Recent.
Remark: Junior synonym of *Ctenactis echinata* (Pallas, 1766) (see Veron and Pichon, 1980).
- gigantea*, *Pavonia* Verrill, 1869b
S: 62702, Pearl Id., 2 frag. (ex YPM 1679).—Recent.
Remark: Species subsequently considered to be in *Pavona*.
- gigas*, *Stylophora* Hoffmeister, 1945
H: 68236, sta. 110A, 1 col.; P: 68241, sta. L344A, 1 frag.; P: 68242, 68240, 68237, sta. 110A, 1 col. each; P: 67710, sta. 124, 2 col.—Neogene.
- glabra*, *Leptoseris* Dinesen, 1980
P: 54198, Orpheus Id. (ZD 9487), 1 col.; P: 54199, Young Id. (ZD 9760), 1 col.—Recent.
- glaucoopsis*, *Astraea (Fissicella)* Dana, 1846
H: 3, Fiji (USEE), 1 col.—Recent.
Remark: Junior synonym of *Diploastrea heliopora* (Lamarck, 1816) (see Wijsman-Best, 1980).
- globiceps*, *Madrepora* Dana, 1846
S: 261, Tahiti (USEE), 1 col.—Recent.
Remark: Junior synonym of *Acropora humilis* (Dana, 1846) (see Wells, 1954:425).
- globosa*, *Plesiastrea* Duncan, 1864
H: M155272, silt plain, half of col.—Miocene.
Remarks: Junior synonym of *Solenastrea bournoni* Milne Edwards and Haime, 1850 (see Budd, in press).
Other half of holotype at BM (R28871).
- goethalsi*, *Astreopora* Vaughan, 1919
S: M325036, USGS 6016, 2 col.; S: M325034 (not 325043, as cited by Vaughan), USGS 6015, 4 col.—M. Miocene.
- goethalsi*, *Stylophora* Vaughan, 1919
S: M324767, USGS 6016, 3 col.—Miocene.
- gombergi*, *Thalamophyllia* Cairns, 1979
H: 46890, *Gilliss*-25, 1 corallum; P: 46891, *Gilliss*-25, 7 coralla; P: 46892, *Gilliss*-27, 13 coralla; P: 46893, *Gilliss* 71-6, 2 coralla; P: 46894, *Gilliss* 71-7, 1 corallum.—Recent.
- goodei*, *Flabellum* Verrill, 1878
H: 68306, George's Bank, 1 corallum.—Recent.
Remark: Junior synonym of *Flabellum alabastrum* Moseley, 1873
- goodei*, *Plesiastrea* Verrill, 1900
S: 36497, Bermuda, 2 frag.—Recent.
Remarks: Junior synonym of *Stephanocoenia intersepta* (Lamarck, 1816) (see Foster, 1987:19-20). Species commonly, but incorrectly, known as *Stephanocoenia michelinii* (Milne Edwards and Haime, 1848).
- gracilis*, *Madrepora* Dana, 1846
S: 333, Fiji (USEE), 1 col.—Recent.
Remark: ?Junior synonym of *Acropora formosa* (Dana, 1846) (see Veron and Wallace, 1984:230).
- gracilis*, *Meandrina* Dana, 1846
S: 18, Fiji (USEE), 1 col.—Recent.
Remarks: Junior synonym of *Leptoria phrygia* (Ellis and Solander, 1786) (see Veron, Pichon, and Wijsman-Best, 1977). Originally labelled as USNM 16, but this number was preoccupied.
- gracilis*, *Seriatopora caliendrum* Dana, 1846
S: 329, Sulu Sea (USEE), 1 col.—Recent.
- grahamae*, *Agaricia* Wells, 1973a
H: 53487, DBL 1315, 1 col. in 2 pieces.—Recent.
- grandifolia*, *Manopora* Dana, 1846
S: 326, Singapore (USEE), 1 col.—Recent.
Remark: Species subsequently transferred to *Montipora*.
- grandis*, *Balanophyllia* Cairns, 1977a
H: 45850, *Pillsbury*-627, 1 corallum; P: 45851, *Pillsbury*-324, 1 corallum; P: 45852, *Pillsbury*-403, 2 coralla; P: 45853, *Pillsbury*-425, 1 corallum; P: 45854, *Pillsbury*-1369, 1 corallum.—Recent.
- grandis*, *Pocillopora* Dana, 1846
S: 700, Fiji (USEE), 1 col.; S: 682, Wake's Id., 1 branch.—Recent.
Remarks: Dana (1846) stated that the specimens were from Fiji and the Society Islands, the latter perhaps a mistake for Wake's Island.
- granimurata* forma, *Porites compressa* Vaughan, 1907a
S: 20936, Kaheohe, 1 col.; S: 20951, Kaneohe, 1 col.—Recent.
- granulosus*, *Fungiacyathus (Bathyactis)* Cairns, 1989
H: 81751, *Albatross*-5590, 1 corallum; P: 81755, *Albatross*-5260, 1 corallum; P: M230047, *Albatross*-5282, 1 corallum; P: 81752, *Albatross*-5283, 5 coralla; P: 81754, *Albatross*-5589, 4 coralla; P: 81753, *Albatross*-5592, 7 coralla, SEM stubs 493-494.—Recent.
- granulosus*, *Paracyathus* Vaughan, 1900a
H: M158192, Wood's Bluff, 1 corallum.—Eocene.
- gravieri*, *Orbicella* Vaughan, 1918
H: 21966, Djibouti, 1 col. in 2 pieces.—Recent.
Remarks: Based on specimen reported as *Orbicella annuligera* by Vaughan (1907b). Junior synonym of *Plesiastrea versipora* (Lamarck, 1816) (see Wijsman-Best, 1977).
- gravieri*, *Physogyra* Vaughan, 1907b
H: 21961, Somalia, frag. of holotype.—Recent.
- graysonensis*, *Parasmilia* Wells, 1933
H: I75141, Grayson Bluff, 1 col.—L. Cretaceous.

- graysonensis* var., *Trochocyathus sellardsi* Wells, 1933
H: I75145, Grayson Bluff, 1 col.; P: I147654, Grayson Bluff, 1 col.—L. Cretaceous.
- gregorii*, *Stylosmilia* Wells, 1944a
H: M547384, Cumaná, 1 col. in 3 pieces, 1 TS: P: M547383 (I372142), Cumaná, 1 col.; P: M547395 (I312008), 1 TS.—L. Cretaceous.
- gregorioi*, *Madracis* Vaughan, 1900a
S: M158271, Gregg's Landing, 1 col.; S: M158272, Gregg's Landing, 1 col.—Eocene.
- guadelupae*, *Stephanocoenia* Wells, 1932
S: I75125, Comal Co., 1 col.—Cretaceous.
- guantanamoensis*, *Astrocoenia* Vaughan, 1919
H: M324794, USGS 7522, 1 col.—Miocene.
- guantanamoensis*, *Pocillopora* Vaughan, 1919
H: M324784, USGS 7514, 1 col.—Tertiary.
- haddoni*, *Porites* Vaughan, 1918
H: 47235, Murray Id., 1 col.—Recent.
Remark: Junior synonym of *Porites lutea* Milne Edwards and Haime, 1860 (see Veron and Pichon, 1982:25).
- hadros*, *Balanophyllia* Cairns, 1979
H: 46906, Oregon-4834, 1 corallum; P: 46907, Oregon-4834, 15 coralla; P: 46908, Oregon-4832, 2 coralla.—Recent.
- hannibali*, *Dendrophyllia* Nomland, 1916
H: M561475, NP15, small piece of holotype (remainder stated to be at Stanford University).—M. Oligocene.
- harrisi*, *Astrangia* Vaughan, 1900a
S: M158289, Saline River, 1 col.—Eocene.
- harrisi*, *Blothrocyathus* Wells, 1932
P: I75121, Blanco River, 1 col. in 5 pieces.—Cretaceous.
- harrisi*, *Oculina* Vaughan, 1900a
H: M158251, USGS 2632, 1 col.—Eocene.
- hawaiiensis*, *Balanophyllia* Vaughan, 1907a
S: 20823, Albatross-4059, 4 coralla.—Recent.
Remark: Junior synonym of *Balanophyllia cornu* Moseley, 1881 (see Cairns, 1984).
- hawaiiensis*, *Bathyactis* Vaughan, 1907a
H: 20834, Albatross-4125, 1 corallum.—Recent.
Remark: Junior synonym of *Fungiacyathus fragilis* (Sars, 1872).
- hawaiiensis*, *Caryophyllia* Vaughan, 1907a
S: 20749, Albatross-3838, 1 corallum; S: 20750, Albatross-3838, 3 coralla.—Recent.
- hawaiiensis*, *Favia* Vaughan, 1907a
H: 21635, WTB 41-42, 2 col.—Recent.
Remarks: Junior synonym of *Leptastrea purpurea* (Dana, 1846) (see Vaughan, 1918). Junior secondary homonym of *Leptastrea hawaiiensis* Vaughan, 1907a.
- hawaiiensis*, *Gardinieria* Vaughan, 1907a
H: 20731, Albatross-3991, 1 corallum.—Recent.
- hawaiiensis*, *Leptastrea* Vaughan, 1907a
H: 21632, Molokai, 1 col.—Recent.
Remarks: Junior synonym of *Leptastrea bottae* (Milne Edwards and Haime, 1849) (see Veron, Pichon, and Wijsman-Best, 1977). Senior secondary homonym of *Favia* (= *Leptastrea*) *hawaiiensis* Vaughan, 1907. Not USNM 61632, as reported by Wijsman-Best (1980:246).
- hawaiiensis*, *Leptoseris* Vaughan, 1907a
S: 20843, 20873, Albatross-3845, 4 col.; S: 20844, 20876, Albatross-3848, 4 col.; S: 20845, 20875, Albatross-3849, 3 col.; S: 20874, Albatross-4055, 2 col.—Recent.
- hawaiiensis*, *Porites* (*Synaraea*) Vaughan, 1907a
H: 21624, Kalihi, 1 col.—Recent.
Remark: Junior synonym of *Porites rus* (Forsk., 1775) (see Veron and Pichon, 1982).
- hayesi*, *Syzygophyllia* Vaughan, 1919
H: M325009, Nicaragua, 1 col.—Eocene.
- hayesi*, *Thysanus* Vaughan, 1919
H: M324994, USGS 3461, 1 col.—Tertiary.
- hebes*, *Madrepora* Dana, 1846
S: 286, Fiji (USEE), 1 col.; S: 287, Fiji (USEE), 1 col. in 2 pieces.—Recent.
Remark: Junior synonym of *Acropora aspera* (Dana, 1846) (see Veron and Wallace, 1984).
- hedbergi*, *Cyathophora* Wells, 1944a
H: M547383, Cumaná, 1 col. in 4 pieces, 2 TS; P: M547393 (I372145), Cumaná, 1 col.; P: M547394 (I372149), Cumaná, 1 col.; P: M547400, Cumaná, 1 col.—L. Cretaceous.
- hedbergi*, *Goniopora* Wells, 1945
H: 68337, S152, 1 col.—Eocene.
- helianthoides*, *Favia* Wells, 1954
H: 44980, sta. 10C, 1 col.—Recent.
- heronensis*, *Turbinaria* Wells, 1959
H: 45388, Heron Id., 1 col. in 2 pieces; P: 45389, Heron Id., 1 col.—Recent.
- heteroclitus*, *Deltocyathus* Wells, 1984
H: 71849, USGS 24918, 1 corallum; P: 71850, USGS 24918, 1 corallum; P: 71851, USGS 24918, 1 corallum; P: 73965, USGS 24918, 3 coralla.—Pleistocene.
- hexagonalis*, *Siderastrea* Vaughan, 1900a
H: M158317, Prairie Creek, 1 col.—Eocene.
- hilgardi*, *Micrabacia* Stephenson, 1917
H: I32001, USGS 6872, 1 corallum; P: I32000, USGS 5417, 1 corallum; P: I32012 (1 corallum), I32009 (8 coralla), USGS 6872; P: I32010, USGS 5417, 13 coralla; P: I32011, 854, 1 corallum.—U. Cretaceous.
- hilli*, *Asterosmilia* Vaughan, 1919
S: M324815, USGS 2580, 7 coralla; S: M324816, USGS 2580, 3 coralla.—Pliocene.
Remark: Junior synonym of *Asterosmilia exarata* Duncan, 1867 (see Cairns and Wells, 1987).
- hilli*, *Centrastrea* Wells, 1934
H: I74492, Catadupa, 1 col.—U. Cretaceous.
- hilli*, *Cyathomorpha* Vaughan, 1919
H: M325204, USGS 6881, 1 col.; P: M325205, USGS 6881, 2 col.—Oligocene.

- Remark: Junior synonym of *Agathiphyllia browni* (Vaughan, 1919).
- hilli*, *Goniopora* Vaughan, 1919
H: M325058, USGS 6016, 1 col.; P: M325057, USGS 6015, 2 col.—M. Miocene.
- hillsboroensis*, *Siderastrea* Vaughan, 1919
H: M325183, USGS 4890, 3 frag., 1 TS; P: M325155, USGS 7076, 2 frag., 1 TS.—L. Miocene.
- hirta* var., *Orbicella cavernosa* Verrill, 1901
H: 36669, Bermuda, 1 large col.—Recent.
Remark: Junior synonym of *Montastraea cavernosa* (Linnaeus, 1767).
- hispidula*, *Manopora* Dana, 1846
L: 341, Singapore (USEE), 1 col.; PL: 340, East Indies (USEE), 1 col.—Recent.
Remarks: Species transferred to *Montipora*. Lectotype designated by Veron and Pichon (1984:82).
- hispidula*, *Orbicella* Verrill, 1901
H: 40476, Key West, 2 frag. of holotype (ex YPM 98).—Recent.
Remark: Junior synonym of *Monastraea annularis* (Ellis and Solander, 1786).
- hobleyi*, *Oculina* Thomas, 1948
H: I104913, Taylor's Hill Pit, part of holotype.—L. Cretaceous.
- hoffmeisteri*, *Culicia* Squires, 1966
P: 83003, Pope's Eye, 1 corallum; P: 53416, Pope's Eye, 3 coralla.—Recent.
- hoffmeisteri*, *Flabellum (Ulocyathus)* Cairns and Parker, in press
P: 85707, *Soela-27*, 4 coralla (ex SAM); P: 82012, *Endeavour-5587*, 1 corallum; P: 82727, *Soela-77*, 2 coralla (ex NMV).—Recent.
- hoffmeisteri*, *Montipora* Wells, 1954
H: 44730, sta. 44, 1 col.; P: 45176, sta. 44, 1 col.; P: 45615, sta. 44, 1 col.; P: 44731, sta. 44, 2 col.—Recent.
Remark: Specimens of last two catalog numbers not listed in original publication but status clearly indicated on museum labels.
- hoffmeisteri*, *Stenocyathus* Wells, 1977
H: I208318, USGS 24686, 1 corallum; P: I208319–I208320, USGS 24686, 1 corallum each (specimens a–c).—Eocene.
- hombroni*, *Parastraea* Rousseau, 1854
S: 82828, "Oceania", 1 col.—Recent.
Remark: Junior synonym of *Favia stelligera* (Dana, 1846) (see Veron, Pichon, and Wijsman-Best, 1977).
- horizontalata*, *Porites* Hoffmeister, 1925
S: 68202–68204, Pago Pago Harbor, specimens 1–3.—Recent.
- horologium*, *Caryophyllia* Cairns, 1977c
H: 45760, *Hernan Cortez* sta. E, 1 corallum; P: 45761, Cedar Keys, 1 corallum; P: 45762, *Hernan Cortez* sta. E, 2 coralla; P: 45763, "Florida", 1 corallum.—Recent.
- horrescens*, *Oculina* Dana, 1846
S: 13, Fiji (USEE), 1 col.—Recent.
Remarks: Species subsequently transferred to *Acrhelia* (see Veron and Pichon, 1980). Not USNM 5 as stated by Vaughan (1918:81).
- horrida*, *Echinopora* Dana, 1846
S: 162, Fiji (USEE), 1 col.—Recent.
- horrida*, *Fungia* Dana, 1846
S: 120, Fiji (USEE), 1 col.—Recent.
- horrida*, *Madrepora* Dana, 1846
H: 291, Fiji (USEE), 1 large branch.—Recent.
Remark: Species subsequently transferred to *Acropora*.
- howei*, *Porites (Synaraea)* Vaughan, 1919
L: 72890, USGS 6016, 1 col.; PL: M325113, USGS 6016, 2 col.—M. Miocene.
Remarks: Junior synonym of *Porites portoricensis* (Vaughan, 1919). Lectotype designated by Foster (1986).
- humilis*, *Madrepora* Dana, 1846
S: 332, Fiji (USEE), 1 col.—Recent.
Remarks: Species subsequently transferred to *Acropora*. Specimen described by Rathbun (1887).
- hyacinthus*, *Madrepora* Dana, 1846
S: 246, Fiji (USEE), 1 col.—Recent.
Remark: Species subsequently transferred to *Acropora*.
- hyatti*, *Trochocyathus* Vaughan, 1900a
S: M158134, Black Bluff, 2 coralla.; S: M158135, Black Bluff, 2 TS.—Eocene.
- hydra*, *Fungiacyathus* Zibrowius and Gili, 1990
P: 86869, BB-2, 3 coralla; P: 86867, BB-12, 6 coralla (2 in alcohol); P: 86868, BB-13, 6 coralla and frag. (frag. in alcohol).—Recent.
- hystrix*, *Anthophyllum* Dana, 1846
H: 49, Fiji (USEE), 1 col.—Recent.
Remark: Junior synonym of *Galaxea fascicularis* (Linnaeus, 1767) (see Veron and Pichon, 1980:204).
- hystrix*, *Madrepora* Dana, 1846
S: 298, Fiji (USEE), 1 col.—Recent.
Remark: Junior synonym of *Acropora cerealis* (Dana, 1846) (see Veron and Wallace, 1984).
- hystrix*, *Seriatopora* Dana, 1846
S: 346, Fiji (USEE), 1 col.; S: 5739, Fiji (USEE), 1 branch.—Recent.
Remark: Label of USNM 5739 reads "lectotype", but I cannot find documentation in the literature for this designation.
- imperatoris*, *Goniopora* Vaughan, 1919
H: M325049, USGS 6016, 1 col.—M. Miocene.
- imperatoris*, *Orbicella* Vaughan, 1919
S: M324884, USGS 6015, 1 col.; S: M324902–M324903, USGS 6015, 1 col. each; S: M324878, USGS 3451, 1 col.—M. Miocene.
Remark: Species subsequently transferred to *Montastraea*.

- imperatoris*, *Stylophora* Vaughan, 1919
H: M324752, USGS 6016, 1 col.; P: M324753, USGS 6016, 2 col.; P: M324754, USGS 6894, 1 col.—M. Miocene.
- implicata*, *Madrepora* Dana, 1846
S: 283, Fiji (USEE), 1 col. and 20 frag.—Recent.
Remark: Species subsequently transferred to *Acropora*.
- inauris*, *Balanophyllia* Vaughan, 1900a
S: M158362, New Jersey, 1 col.—Eocene.
- incerta* var., *Caryophyllia octopali* Vaughan, 1907a
H: 20748, *Albatross*-3828, 11 contiguous coralla.—Recent.
- incrassata*, *Manopora* Dana, 1846
L: 309, Fiji (USEE), 1 col.—Recent.
Remarks: Species subsequently transferred to *Montipora*.
Lectotype designated by Veron and Wallace (1984:62).
- incrustatum*, *Truncatoflabellum* Cairns, 1989
H: 40774, *Albatross*-5251, 1 corallum; P: 40772, *Albatross*-5249, 1 corallum; P: 40773, *Albatross*-5250, 2 coralla; P: 81974, *Albatross*-5251, 1 corallum; P: 40776, *Albatross*-5253, 2 coralla; P: 81973, *Albatross*-5265, 1 col.; P: 40779, *Albatross*-5289, 1 coralla.—Recent.
- informis*, *Pocillopora* Dana, 1846
S: 441, Sandwich Ids. (USEE), 1 col.—Recent.
- infundibulum* forma, *Porites lobata* Vaughan, 1907a
H: 22243, Kalihi, 1 col.—Recent.
- inornata*, *Coenosmilia* Cairns, 1984
H: 60527, *Sango* 13-13, 1 col.; P: 60528, *Sango* 13-13, 8 col. and 4 branches.—Recent.
- insignifica*, *Turbinolia* Vaughan, 1900a
S: M158130, Red Bluff, 2 coralla.—Eocene.
- irregularis*, *Cyathoceras* Cairns, 1982a
H: 47165, *Eltanin*-1346, 1 corallum; P: 47166, *Eltanin*-1346, 7 coralla.—Recent.
Remark: Species subsequently transferred to *Crispatotrochus*.
- irregularis*, *Truncatoguyonia* Cairns, 1989
H: 81890, *Albatross*-5311, 1 corallum; P: 81891, *Albatross*-5311, 9 coralla, SEM stub 477.—Recent.
- isabela*, *Polycyathus* Wells, 1982
H: 46964, Punta Albemarle, 1 col.—Recent.
- jacksonensis*, *Platycoenia* Vaughan, 1900a
H: M158316, Jackson, 1 col.—Eocene.
- jacobiana*, *Goniopora* Vaughan, 1919
H: M325077, USGS 3446, 1 large col.—Tertiary.
Remark: Junior synonym of *Goniopora hilli* Vaughan, 1919 (see Foster, 1986).
- jamaicensis*, *Astrocoenia* Wells, 1934
H: 44284, Spring Mount, 1 col.—M. Eocene.
- jamaicensis*, *Cyclolites* Wells, 1934
H: I74488, Providence, 1 col.; P: I147658, Providence, 2 col.—U. Cretaceous.
- japonica*, *Fungia* Vaughan, 1906b
H: M154426, USGS 2530, 1 col.; P: 68280, USGS 2530, 1 col.—Tertiary.
Remark: Junior synonym of *Fungia cyclolites* Lamarck, 1816 (see Hoeksema, 1989).
- johannis*, *Caryophyllia* White, 1879
S: I8084, Cimarron, 2 coralla.—Cretaceous.
- johnsoni*, *Cladocora* Gane, 1895
S: 68197, Waccamaw River, 5 corallites.—Pliocene.
Remark: Junior synonym of *Cladocora debilis* Milne Edwards and Haime, 1849.
- johnsoni*, *Dendrophyllia* Cairns, 1991
H: 84847, *Johnson-Sea-Link* 1911, 1 branch; P: 84848, *Johnson-Sea-Link* 1924, 5 branches.—Recent.
- johnsoni*, *Madracis* Vaughan, 1900a
S: M158269, San Augustine, 2 branches.—Eocene.
- jukesbrowni*, *Astrocoenia* Wells, 1945
H: 68319, S65, 1 col.; P: 68320, S65, 2 col.—Eocene.
- kauaiensis*, *Madracis* Vaughan, 1907a
S: 20769, *Albatross*-3982, 3 col.—Recent.
- kauaiensis*, *Madrepora* Vaughan, 1907a
H: 20780, *Albatross*-4136, 1 col. now in 6 pieces.—Recent.
Remark: *Mussa* ? (Vaughan, 1907a) attached to holotype thought to be a neoplasm of *M. kauaiensis* by Squires (1965b).
- kayserensis*, *Paracyathus* Vaughan, 1920
H: I32378, USGS 7965, 1 corallum.—?Cretaceous.
- kerioides*, *Septastrea* Vaughan and Popenoe, 1935
H: I371042, USGS 11937, 1 col. now in 4 pieces.—Eocene.
- kondoi*, *Cyathoceras* Wells, 1977
H: I208313, USGS 24686, 1 corallum; P: I208314, I208340, USGS 24686, 1 corallum each.—Eocene.
Remark: Species subsequently transferred to *Labyrinthocyathus* by Cairns (1979).
- kugleri*, *Atopocoenia* Wells, 1974a
P: 46822, K7561, 11 frag., 2 TS.—Oligocene.
- laboreli*, *Dendrophyllia* Zibrowius and Brito, 1984
P: 71867, Madeleine Id., 5 col.; P: 71868, Madeleine Id., 4 col.; P: 71869, Madeleine Id., 2 col.—Recent.
- labrosa*, *Madrepora* Dana, 1846
H: 315, Sulu Sea (USEE), 1 col.—Recent.
Remark: Junior synonym of *Acropora prolifera* (Lamarck, 1816) (see Veron and Wallace, 1984).
- labyrinthicum*, *Epiphaxum* Wells, 1932
H: I75124, Blanco River, 1 col.; P: I311585, Blanco River, 1 col.—Cretaceous.
- lacera*, *Fungia* Verrill, 1866a
H: 124, Fiji (USEE), 1 col.—Recent.
Remarks: Based on Dana's (1846) specimen of *Fungia echinata* (Esper) from Fiji. This specimen may also be interpreted as a syntype of *Fungia danae* Milne Edwards and Haime, 1851a, which Hoeksema (1989:109) further designated as a paralectotype of *F. danae*. It is also a senior subjective synonym of *F. scruposa* Klunzinger, 1879; however, the lectotype of *F. danae* is a junior synonym of *F. horrida* Dana, 1846 (Hoeksema, 1989:102).
- lacera* forma, *Porites lobata* Vaughan, 1907a
H: 22252, Kahana, 1 col.; P: 20909, Kahana, 1 col.—Recent.

- laddi*, *Bikiniastrea* Wells, 1954
H: 44942, sta. 30, 1 col.—Recent.
Remark: Junior synonym within the *Favia amicorum* complex (see Veron, Pichon, and Wijsman-Best, 1977).
- laddi*, *Enallopsammia* Wells, 1977
H: I208334, USGS 24686, 1 col.; P: I208335, USGS 24686, 6 col.; P: I208336–I208338, USGS 24686, 1 col. each.—Eocene.
- laddi*, *Orbicella* Hoffmeister, 1932
H: 68222, sta. 166, 1 col.—Pliocene.
Remark: Species subsequently transferred to *Montastraea*.
- laddi*, *Stylangia* Wells, 1944a
H: M547388, Cumaná, 1 col. in 3 pieces, 1 TS; P: M547389, Cumaná, 1 col. in 3 pieces; P: M547390 (I372144), Cumaná, 1 col.—L. Cretaceous.
- laevifundus*, *Stephanocyathus* Cairns, 1977b
H: 45751, *Gerda*-293, 1 corallum; P: 45752, *Gerda*-293, 19 coralla; P: 45754, *Gerda*-109, 27 coralla; P: 45753, *Pillsbury*-407, 1 corallum.—Recent.
- laevigatus*, *Platyrochus* Cairns and Parker, in press
P: 85693, Backstairs Passage, 1 corallum; P: 85694, St. Francis Id., 5 coralla; P: 85695, Gulf of St. Vincent, SEM stub 518.—Recent.
- lamarcki*, *Agaricia* Milne Edwards and Haime, 1851a
N: 53486, DBL 174, 1 plate now in 3 pieces.—Recent.
Remark: Neotype designated by Wells (1973a).
- lamarensis*, *Astrangia* (*Coenangia*) Wells, 1947
H: I104171, Old Slate Shoals, 1 col.—U. Cretaceous.
- langae*, *Labyrinthocyathus* Cairns, 1979
H: 46871, *Eastward*-26017, 1 corallum; P: 46872, *Eastward*-14038, 2 coralla; P: 46873, *Albatross*-2354, 5 coralla.—Recent.
- lata*, *Pavonia* Dana, 1846
S: 194, Fiji (USEE), 1 large col.—Recent.
Remark: Junior synonym of *Pavona decussata* (Dana, 1846) (see Veron and Pichon, 1980).
- laticostata*, *Endocyathopora* Cairns, 1989
H: 81894, *Albatross*-5134, 1 corallum (used as SEM stub 474); P: 81895, *Albatross*-5133, 2 coralla.—Recent.
- lauensis* var., *Diploastrea polygonalis* Hoffmeister, 1945
H: 68244, sta. 110A, 1 col.—Neogene.
- lauensis*, *Galaxea* Hoffmeister, 1945
H: 68232, sta. 110A, 1 col.—Neogene.
- lauensis*, *Orbicella* Hoffmeister, 1945
H: 68234, sta. 110A, 1 col.; P: 63314, sta. 110A, 1 col.—Neogene.
Remark: Species subsequently transferred to *Montastraea*.
- laxa*, *Merulina* Dana, 1846
S: 127, Sulu Sea (USEE), 1 frag.; S: 4501, Sulu Sea (USEE), 12 frag.—Recent.
- laxus*, *Ceratotrochus* Vaughan, 1907a
H: 20764, *Albatross*-3827, 1 corallum.—Recent.
- laysanensis*, *Balanophyllia* Vaughan, 1907a
H: 20901, *Albatross*-3937, 1 corallum.—Recent.
- laysanensis* var., *Pocillopora cespitosa* Vaughan, 1907a
S: 20871, *Albatross*-3955, 2 col.—Recent.
- leithensis*, *Steriphonotrochus* Vaughan, 1920
H: I32379, USGS 7963, 1 col.—?Cretaceous.
Remark: A member of the genus *Bathycyathus*?
- lerchi*, *Flabellum* Vaughan, 1900a
S: M157920, Liberty Hill, 1 corallum; S: M157921, Jackson Parrish, 1 corallum.—Eocene.
- levicollis*, *Agaricia* (*Undaria*) Dana, 1846
S: 190, East Indies (USEE), 1 col.—Recent.
Remark: Species subsequently transferred to *Pachyseris* (see Hoffmeister, 1925).
- lichen*, *Manopora* Dana, 1846
S: 336, ?Tahiti (USEE), 1 col.—Recent.
Remark: Species subsequently transferred to *Montipora*.
- lichen*, *Porites* Dana, 1846
H: 666, Fiji (USEE), 1 col. in 2 pieces.—Recent.
- lilli*, *Plesiastrea* Wells, 1954
H: 45002, sta. 10D, 1 col. in 3 pieces; P: 45003, sta. 10D, 1 col.—Recent.
- limatulus*, *Ceratotrochus* Squires, 1964
P: 68260, *Ikatara*, 9 coralla.—Recent.
Remark: Species subsequently transferred to *Labyrinthocyathus* by Cairns (1979).
- limonensis*, *Archohelia* Vaughan, 1919
S: M324809, USGS 2692, 3 col.—Pliocene.
- limosa*, *Porites* Dana, 1846
H: 673, Fiji (USEE), 1 col.—Recent.
- lirioides*, *Desmophyllum* Wells, 1977
H: I208326, USGS 24686, 1 corallum; P: I208341, USGS 24686, 1 corallum.—Eocene.
- lisbonensis*, *Dendrophyllia* Vaughan, 1900a
H: M158468, Lisbon, 1 col.—Eocene.
- lloydi*, *Paracyathus* Vaughan, 1920
H: I32376, USGS 7961, 1 corallum.—?Cretaceous.
- lobata*, *Porites* Dana, 1846
S: 652, Sandwich Ids. (USEE), 1 col.; S: 646, Sandwich Ids. (USEE), 1 col.—Recent.
- loculata* var., *Pavonia crassa* Dana, 1846
S: 224, Singapore (USEE), 1 col.; S: 85757, Singapore (USEE), 1 col. and 1 frag.—Recent.
Remark: Species subsequently transferred to *Pavona*.
- lonsdalei*, *Endopachys* Vaughan, 1900a
S: M158460, Newton, 1 corallum; S: M158462, Newton, 2 coralla.—Eocene.
- lowekeyesi*, *Flabellum* Squires and Ralph, 1965
P: 45601, Cape Brett, 1 corallum.—Recent.
- ludoviciana*, *Astrangia* Vaughan, 1900a
S: M158288, Montgomery, 1 col. of 7 corallites.—Eocene.
- ludoviciana*, *Parasmilia* Vaughan, 1900a
S: M158217, Montgomery, 5 coralla; S: M158218, USGS 2008, 3 coralla.—Eocene.

- mabahithi*, *Caryophyllia* Gardiner and Waugh, 1938
S: 48299, John Murray-34, 2 coralla (ex BM).—Recent.
- macdonaldi*, *Favia* Vaughan, 1919
H: M324993, USGS 6587, 1 col.—M. Miocene.
- macdonaldi*, *Porites* (*Synaraea*) Vaughan, 1919
L: 72376, USGS 6016, 1 col.; PL: M325046a, USGS 6016, 3 col.—M. Miocene.
Remark: Lectotype designated by Foster (1986).
- macdonaldi*, *Stylophora* Vaughan, 1919
S: M324769, USGS 6016, 4 col.; S: M324770, USGS 6016, 3 col.—Miocene.
- machapooriensis*, *Asterosmia* Hoffmeister in Vaughan and Hoffmeister, 1926
S: M353650, USGS 8301, 1 col. cut in half; S: M353651, USGS 8301, 1 col. cut in half.—Miocene.
- machapooriensis*, *Pavona* Vaughan in Vaughan and Hoffmeister, 1926
H: M353667, USGS 8301, 1 col.—Miocene.
- maclurii*, *Turbinolia* Lea, 1833
S: M158411, Alabama, 29 coralla.—Eocene.
Remark: Species subsequently transferred to *Endopachys*.
- macrocalyx* var., *Madracis kauaiensis* Vaughan, 1907a
H: 20777, *Albatross*-3833, 1 col.—Recent.
- madagascarensis*, *Fungia* Vaughan, 1906b
H: 21141, Madagascar, 1 col.—Recent.
Remark: Junior synonym of *Fungia scruposa* Klunzinger, 1879 (see Hoeksema, 1989).
- magna*, *Favites* Hoffmeister, 1932
H: 68224, 464, 1 col.—?Eocene.
- magnocostatum* var., *Flabellum cuneiforme* Vaughan, 1900a
S: M157990, Garland Creek, 1 corallum.—Eocene.
- maloniana*, *Astrocoenia* Vaughan, 1905
H: I28970, Malone, 1 col.; P: I74242, Malone, 3 col., 2 TS (ex I28970).—Jurassic.
- mammosa*, *Meandrina* Dana, 1846
S: 220, locality unknown but undoubtedly from within the Caribbean or off Florida (USEE), 1 col.—Recent.
Remark: Junior synonym of *Diploria clivosa* (Ellis and Solander, 1786).
- mangarevensis*, *Acropora* Vaughan, 1906a
H: 68308, Mangareva Id., 1 col.—Recent.
Remark: Junior synonym of *Acropora clathrata* (Brook, 1891) (see Veron and Wallace, 1984).
- manorensis*, *Steriphonotrochus* Wells, 1933
H: I75132, Manor, Texas, 1 col.—U. Cretaceous.
Remark: A species of *Bathycyathus*?
- mansfieldi*, *Orbicella* Hoffmeister, 1932
H: 68223, USGS 5016, 1 col.—Pliocene.
Remark: Species subsequently transferred to *Montastraea*.
- maoensis*, *Placocyathus* Vaughan in Vaughan and Hoffmeister, 1925
H: M353644, USGS 7785, 1 corallum.—Miocene.
- Remark: Species transferred to *Antillocyathus* (see Cairns and Wells, 1987).
- marenzelleri*, *Bathyactis*, Vaughan, 1906a
H: 47415, *Albatross*-4721, 1 corallum.—Recent.
Remark: Species subsequently transferred to *Fungia-cyathus*.
- marenzelleri*, *Flabellum (Ulocyathus)* Cairns, 1989
H: 40686, *Albatross*-5289, 1 corallum; P: 40687, *Albatross*-5265, 3 coralla (1 in alcohol); P: 81887, *Albatross*-5268, 1 corallum; P: 81888, *Albatross*-5298, 2 coralla; P: 81889, *Albatross*-5289, 1 corallum.—Recent.
- marmorea*, *Caryophyllia* Cairns, 1984
H: 60515, HON 9-3A, 1 corallum.—Recent.
- marshae*, *Coscinaraea* Wells, 1962
P: 68364, WAM 59-59, 2 frag., SEM stub 539; P: 68363, Rottmest, 2 col.—Recent.
Remark: USNM 68364 is *Coscinaraea mcneilli* Wells, 1962 (see Veron and Marsh, 1988).
- marshallensis*, *Montipora* Wells, 1954
H: 44771, sta. 43, 1 col.; P: 44772, 44454, 44810, sta. 43, 1 col. each (specimens a-d).—Recent.
- martini*, *Astrocoenia* Smith, 1927
H: I28970, USGS 8830, 1 col.—U. Triassic.
- martini*, *Montlivaultia* Smith, 1927
H: I74263, Iliamna Lake, 1 col.—U. Triassic.
- marylandica*, *Micrabacia* Stephenson, 1916
H: I203612, Brightseat, 1 corallum; P: I203613, Brightseat, 1 corallum; P: I328692, west of Friendly, 3 coralla; P: I335955, off Sheriff Road, 2 coralla.—Cretaceous.
- marylandicus*, *Paracyathus* Vaughan, 1901b
H: I121667, Piscataway, 1 corallum.—Eocene.
- matanzasensis* var., *Porites baracoensis* Vaughan, 1919
H: M325067a, USGS 3461, 2 col.; P: M325067b, USGS 3461, 2 col.—U. Pliocene.
- maileyi*, *Trochocyathus* Wells, 1934
H: I74478, Blue Mountain Peak, 1 corallum; P: I74478, Blue Mountain Peak, 2 frag.—U. Cretaceous.
Remark: Both holotype and paratype have the same number.
- matsoni*, *Goniopora* Weisbord, 1973
H: 68315, USGS 6546, 1 col.; P: 68316, USGS 6546, 1 col.—Miocene.
Remarks: Based on *Goniopora matsoni* Vaughan, 1915 (nom. nud.). Junior synonym of *Porites portoricensis* (Vaughan, 1919) (see Foster, 1986).
- matsoni*, *Septastrea* Vaughan, 1919
H: M324956, USGS 7873, 1 col.—Tertiary.
- matthaii*, *Favia* Vaughan, 1918
H: 38381 (not 38391, as Vaughan reported), "Indian Ocean", 1 col.—Recent.
- matthewsense* var., *Flabellum conoideum* Vaughan, 1900a
S: M157917, Matthews Landing, 4 coralla; S: M157853, Matthews Landing, 2 coralla.—Eocene.

- mauiensis* var., *Balanophyllia diomedea* Vaughan, 1907a
H: 20826, Albatross-4101, 1 corallum.—Recent.
- mauiensis*, *Paracyathus* Vaughan, 1907a
H: 20756, Albatross-4098, 1 corallum.—Recent.
Remark: Species subsequently transferred to *Trochocyathus* (see Cairns, 1984).
- mayeri*, *Coeloseris* Vaughan, 1918
S: 45546, Murray Id. (600'), 4 TS (M546581); S: 45548, Murray Id. (650'), 1 col.; S: 45547, Murray Id. (800'), 1 col.; S: 85762, Murray Id. (1620–1670'), 2 col.; S: 68296, Murray Id. (600'), 1 col.—Recent.
- mayeri*, *Porites* Vaughan, 1918
H: 47236, Murray Id. (800'), 1 col.—Recent.
- mayori*, *Hydnophora* Hoffmeister, 1925
H: 52723, sta. 74F, 1 col.—Recent.
- mcneilli*, *Coscinaraea* Wells, 1962
P: 68365, Port Jackson, 1 frag.—Recent.
- meandrina*, *Euphyllia* Dana, 1846
S: 94, Singapore (USEE), 1 col.—Recent.
Remark: Junior synonym of *Euphyllia fimbriata* Spengler, 1799 (see Verrill, 1872).
- mediavia*, *Caryophyllia* Vaughan and Popenoe, 1935
H: M371041, USGS 10527, 1 corallum.—Eocene.
- meinzeri*, *Astrocoenia* Vaughan, 1919
H: M324791, USGS 7522, 1 col.—Miocene.
Remark: Junior synonym of *Astrocoenia guantanamoensis* Vaughan, 1919.
- meinzeri*, *Trochoseris* Vaughan, 1919
H: M325228, USGS 7522, 1 col.—Tertiary.
- melnikovae*, *Distichophyllia* Montanaro Gallitelli in Montanaro Gallitelli, Russo, and Ferrari, 1979
H: I316966, loc. M1708, 1 col. in 2 pieces.—U. Triassic.
- memorialis*, *Goreaugyra* Wells, 1974b
H: 45703, Andros Id., 1 col. in 2 pieces.—Recent.
Remark: Junior synonym of *Meandrina meandrites* (Linnaeus, 1758) (see Zlatarski, 1982).
- menardi*, *Montastrea* Hamilton, 1956
H: I189888, Hess Guyot, 2 pieces.—Cretaceous
- mendenhalli*, *Siderastrea* Vaughan, 1917b
S: 63032, USGS 7616, 1 col., 2 TS.—Pliocene.
- merleti*, *Bantamia* Wells, 1961
H: 45390, Banc Gail, 1 col.—Recent.
Remark: Species transferred to *Blastomussa* by Wells (1968).
- merriami*, *Favia* Vaughan, 1900a
S: M157519–M157521, M158295, California, 3 col., 2 TS.—Pliocene.
Remark: Species transferred to *Dichocoenia* by Vaughan (1917b).
- mexicana*, *Cycloseris* Durham, 1947
H: M547369, Albatross-2824, 1 col.; P: M547372, Agua Verde Bay, 28 frag.—Recent.
Remark: Junior synonym of *Fungia* (*Cycloseris*) *distorta* Michelin, 1842 (see Hoeksema, 1989:37).
- mexicana*, *Favites* Vaughan, 1919
H: M324995, Mexico, 1 col.—Tertiary.
- melinii*, *Astrangia* Milne Edwards and Haime, 1848b
N: 80350, off New Jersey, 1 col.—Recent.
Remarks: Neotype designated by Peters et al. (1988). Junior objective synonym of *Astrangia poculata* (Ellis and Solander, 1786).
- microcostata* var., *Balanophyllia desmophyllum* Vaughan, 1900a
S: M158347, Nanafalia Bluff, 2 coralla; S: M158248, Nanafalia Bluff, 1 corallum.—Eocene.
- micrommatus*, *Lochmaetrochus* Squires, 1962
P: 68256, USGS 6551, 1 frag.—Eocene.
- mineolensis*, *Micrabacia* Stephenson, 1917
H: I32006, USGS 9369, 1 corallum; P: I32007, USGS 9369, 1 corallum.—U. Cretaceous.
- minor*, *Gardineria* Wells, 1973a
H: 53503, DBL 1212, 1 corallum; P: 53504, DBL 437, 6 coralla; P: 53505, DBL 5, 4 coralla; P: 53506, DBL 82, 1 corallum.—Recent.
- minor* var., *Siderastrea mendenhalli* Vaughan, 1917b
H: 68290, USGS 7616, 1 col.—Pliocene.
- minor* var., *Solenastrea fairbanksi* Vaughan, 1917b
H: 68284, USGS 3923, 1 col.—Pliocene.
- minuta*, *Pavona* Wells, 1954
H: 44786, sta. 38B, 1 col.—Recent.
- minutissima*, *Stylophora* Vaughan, 1900a
H: M158273, USGS 2326, 1 col.—Eocene.
- minutum*, *Endopachys* Vaughan, 1900a
S: M158467, Jackson, 8 coralla.—Eocene.
- mississippiensis*, *Caryophyllia* Wells, 1933
H: I75175, USGS 3186, 1 corallum; P: I221572, USGS 3186, 1 corallum.—U. Cretaceous.
- mississippiensis*, *Micrabacia* Stephenson, 1917
H: I32008, USGS 6873, 1 corallum; P: I32008, USGS 6873, 1 corallum.—U. Cretaceous.
Remark: Both holotype and paratype have the same number.
- mississippiensis*, *Trochocyathus* Wells, 1933
H: I75184, West Point, 1 corallum; P: I147653, West Point, 5 coralla.—U. Cretaceous.
- modumanensis*, *Pocillopora* Vaughan, 1907a
H: 20984, Albatross-4169, 1 col.—Recent.
Remark: ?Junior synonym of *Pocillopora eydouxii* Milne Edwards and Haime, 1860 (see Veron and Pichon, 1976).
- molokensis*, *Paracyathus* Vaughan, 1907a
H: 20757, Albatross-3833, 1 corallum.—Recent.
Remark: Generic placement uncertain (Cairns, 1984).
- molokensis*, *Pocillopora* Vaughan, 1907a
S: 20894, Albatross-3847, 1 branch; S: 20996, Albatross-3847, over 10 frag.—Recent.
- montemarina*, *Brachyseris* Hamilton, 1956
H: I189894, Cape Johnson Guyot, 1 col.—Cretaceous.

- montereyense*, *Flabellum* Durham, 1947
H: M547406, *Albatross*-4543, 1 corallum; P: M547407, *Albatross*-4551, 1 corallum.—Recent.
Remark: Species transferred to *Polymyces* by Cairns (1979).
- montgomeryensis* var., *Trochocyathus lunulitiformis* Vaughan, 1900a
S: M158152, USGS 2003, 1 corallum in 4 pieces; S: M158154, Montgomery, 1 corallum.—Eocene.
- monticuliformis*, *Stephanomorpha* Vaughan, 1900a
S: M158318, Wilcox Co., 1 col.; S: M158319, Wilcox Co., 1 col.—Eocene.
Remark: Species transferred to *Siderastrea*.
- monticulosa*, *Pachyseris* Verrill, 1866a
S: 218, 219, Fiji (USEE), 2 col.—Recent.
Remarks: Based on Dana's (1846) *Agaricia rugosa* (Lamarck). Junior synonym of *Pachyseris rugosa* (Lamarck, 1801) (see Veron and Pichon, 1980).
- monticulosa*, *Porites* Dana, 1846
?H: 664, Fiji (USEE), 1 large col.—Recent.
Remark: Type status doubtful despite corresponding label because measurements from text do not correspond to specimen.
- monticulosa*, *Stylophora* Hoffmeister in Vaughan and Hoffmeister, 1925
S: M353642, USGS 8556, 4 col.—Miocene.
- moorei*, *Trochosmia* Wells, 1933
H: I75181, Garfield Co., 1 col.; P: I147657, Garfield Co., 3 col.—U. Cretaceous.
- mordax*, *Porites* Dana, 1846
S: 710, Sandwich Ids. (USEE), 1 col., 2 frag.—Recent.
- mordax*, *Sideropora* Dana, 1846
H: 344, Fiji (USEE), 1 col.—Recent.
Remark: Junior synonym of *Stylophora pistillata* Esper, 1797 (see Veron and Pichon, 1976).
- moretonensis*, *Heteropsammia* Wells, 1964a
H: 68382, Pearl Channel, 1 corallum; P: 68383, Pearl Channel, 1 corallum.—Recent.
- mortoni*, *Flabellum* Vaughan, 1900a
S: M157996–M157998, New Jersey, 3 coralla, 1 corallum, and 1 TS, respectively.—Eocene.
- moseleyi*, *Deltocyathus* Cairns, 1979
H: 46984, *Pillsbury*-876, 1 corallum; P: 46985, *Pillsbury*-876, 1 corallum.—Recent.
- mucronata* var., *Porites nigrescens* Dana, 1846
H: 650, Sulu Sea (USEE), 1 col.—Recent.
Remark: According to Rathbun (1888), another syntype exists (USNM 689), but was not found in 1990.
- multicostata* var., *Micrabacia americana* Stephenson, 1917
H: I31997, Montana, 1 corallum.—U. Cretaceous.
- multigranosa* var., *Balanophyllia caulifera* Vaughan, 1900a
S: M158382, Red Bluff, 2 coralla.—Eocene.
- multilobata*, *Mussa* Dana, 1846
H: 41, Fiji (USEE), 1 col.—Recent.
Remark: Junior synonym of *Lobophyllia hemprichii* (Ehrenberg, 1834) (see Veron and Pichon, 1980).
- multilobatus*, *Thrypticotrochus* Cairns, 1989
H: 81901, *Albatross*-5576, 1 corallum; P: 81902, *Albatross*-5217, 1 corallum, SEM stub 476B; P: 81903, *Albatross*-5301, 3 coralla, SEM stub 476B.—Recent.
- murrayensis*, *Acropora (Rhabdocyathus)* Vaughan, 1918
H: 68295, Murray Id. (1630'), 1 col.—Recent.
Remarks: *Acropora rosaria* of Dana (1846, pl. 36; fig. 3). Junior synonym of *Acropora loripes* (Brook, 1892) (see Veron and Wallace, 1984:397).
- murrayensis*, *Porites* Vaughan, 1918
H: 47237, Murray Id. (600'), 1 col.—Recent.
- muscosa*, *Goniopora* Wells, 1954
H: 44872, sta. 106, 1 col.; P: 44873, sta. 106, 1 col.—Recent.
- mycetoseroides*, *Leptoseris* Wells, 1954
H: 44805, sta. 110, 1 col. in 3 pieces; P: 44806–44807, sta. 110, 1 col. each.—Recent.
Remark: USNM 44807 not cited in text but labelled as such in collections.
- nasuta*, *Madrepora* Dana, 1846
S: 250, Tahiti (USEE), 4 frag.; S: 260, Tahiti (USEE), 1 col.; S: 3140, Tahiti (USEE), 3 col.—Recent.
Remark: Species subsequently transferred to *Acropora*.
- natchitochensis*, *Amphihelia* Vaughan, 1900a
S: M158260, Natchitoches, 6 frag.—Eocene.
Remark: Species subsequently transferred to *Madrepora*.
- navarroensis*, *Micrabacia* Wells, 1933
H: I75223, USGS 13777, 1 corallum; P: I203608, USGS 13777, 17 coralla; P: I75224, USGS 13777, 40 coralla.—U. Cretaceous.
- ndukeluensis*, *Astreopora* Hoffmeister, 1945
H: 68247, sta. 110A, 1 col.—Neogene.
- neglecta*, *Astrohelia* Vaughan, 1900a
S: M158223, Red Bluff, 3 branches; S: M158224, Red Bluff, 3 branches.—Eocene.
- neumani*, *Trochocyathus* Vaughan, 1920
H: I32375, USGS 7964, 1 col.—?Cretaceous.
- nigrescens*, *Dendrophyllia* Dana, 1846
S: 216, Fiji (USEE), 3 frag.; S: 424, Fiji (USEE), 1 large col., 3 frag.—Recent.
- nigrescens*, *Porites* Dana, 1846
S: 690, Fiji (USEE), 1 col.; S: 691, Fiji (USEE), 1 col., 1 frag.—Recent.
- niphada*, *Rhombopsammia* Owens, 1986
H: 72802, *Albatross*-4911, 1 corallum; P: 72801, *Albatross*-4911, 3 coralla; P: 72803, *Albatross*-5348, 3 coralla; P: 72804, *Albatross*-5283, 4 coralla (1 embedded in epoxy), 1 TS; P: 72805, locality unknown, 2 coralla, SEM stubs 485–486.—Recent.
- nobile*, *Desmophyllum* Verrill, 1885
H: 7964, Banquereau Bank, 1 corallum.—Recent.
Remark: Junior synonym of *Javania cailleti* (Duchassaing and Michelotti, 1864) (see Cairns, 1979).

nobilis, *Madrepora* Dana, 1846

S: 427, Singapore (USEE), 1 large col., 1 frag.; S: 85752, Singapore (USEE), 1 col.—Recent.

Remark: Species subsequently transferred to *Acropora*.

nobilis, *Pocillopora* Verrill, 1864

S: 658, Sandwich Ids. (USEE), 1 col.; S: 2182, Sandwich Ids. (USEE), 1 col.; S: 62703, Sandwich Ids. (USEE), 1 frag.—Recent.

Remarks: Based on Dana's (1846) Hawaiian specimen of *Pocillopora verrucosa* (Lamarck). Junior synonym of *Pocillopora meandrina* Dana, 1846 (see Veron and Pichon, 1982:133).

nodosa, *Manopora* Dana, 1846

L: 317, Fiji (USEE), 1 col.—Recent.

Remarks: Lectotype designated by Veron and Wallace (1984:94). Species subsequently transferred to *Montipora*.

nodosa, *Trochosmilium* Wade, 1926

H: I32703, Coon Creek, 1 col.—U. Cretaceous.

Remark: Species subsequently transferred to and made type species of *Wadeopsammia* (see Wells, 1933).

nodulosa forma, *Porites lobata* Hoffmeister, 1925

S: 85770, Pago Pago Harbor, specimens 1–5; S: 68212, Pago Pago Harbor, specimens 6–10.—Recent.

normalis var., *Solenastrea fairbanksi* Vaughan, 1917b

S: 68283, USGS 7616, 2 col.—Pliocene.

novaehiberniae, *Lithactinia* Lesson, 1831

N: 71752, Sandfly Passage, 1 col.; N: 61072, Tonga, 1 col.—Recent.

Remarks: Two neotypes designated by Lamberts (1984). According to Hoeksema (1989:180), neotypes invalidly designated. Furthermore, the holotype is present at the MNHNP. Species transferred to *Polyphyllia* (see Hoeksema, 1989).

oahense, *Endopachys* Vaughan, 1907a

H: 20822, *Albatross*-3810, 1 corallum.—Recent.

Remark: Junior synonym of *Endopachys grayi* Milne Edwards and Haime, 1848 (see Umbgrove, 1950).

oahensis, *Dendrophyllia* Vaughan, 1907a

H: 20827, *Albatross*-4114, 1 col.—Recent.

oahensis, *Trochocyathus* Vaughan, 1907a

S: 20760, *Albatross*-4041, 2 coralla; S: 20761, *Albatross*-4041, 4 coralla.—Recent.

Remark: Generic placement uncertain (see Cairns, 1984).

obtusa var., *Pavonia crassa* Dana, 1846

S: 223, Fiji (USEE), 1 col.—Recent.

Remark: Species now considered to be in *Pavona*.

occidentalis, *Enallhelia* Wells, 1944a

H: M547387, Cumaná, 1 col. in 5 pieces, 1 TS.—L. Cretaceous.

occidentalis var., *Micrabacia hilgardi* Wells, 1933

H: I75151, Corsicana, 1 corallum; P: I203609, Corsicana, 5 coralla.—U. Cretaceous.

ocellata, *Alveopora* Wells, 1954

H: 44941, sta. 110, 1 col.—Recent.

octopali, *Caryophyllia* Vaughan, 1907a

H: 20746, *Albatross*-3828, 1 corallum; P: 20747, *Albatross*-3827, 2 coralla.—Recent.

orientalis, *Levipalifer* Vaughan, 1900b

H: 19391, Awa, Japan, 1 corallum.—Recent.

Remark: Species subsequently transferred to *Delto-cyathus*.

ostergaardi, *Pavona* Hoffmeister, 1932

H: 68220, loc. #187, 1 col.—Pliocene.

pacifica, *Anthemiphyllia* Vaughan, 1907a

H: 20765, *Albatross*-3858, 1 corallum; P: 20768, *Albatross*-3856, 1 corallum.—Recent.

pacifica, *Cladocora* Cairns, 1991

H: 84776, *Albatross*-3367, 1 branch; P: 22103, *Albatross*-3367, 10 branches; P: 22104, *Albatross*-3368, over 100 branches; P: 84777, *Johnson-Sea-Link* 1939, 1 col.; P: 46967 and 79106, "Galápagos", 3 branches.—Recent.

pacificus, *Dendracis* Wells, 1964b

H: M648101, sta. F1, 1 col.; P: M648102–M648104, sta. F1, 4, 2, and 4 col., respectively.—Miocene.

paeonia, *Tridacophyllia* Dana, 1846

S: 132, Fiji (USEE), 1 col.—Recent.

Remark: Species subsequently transferred to *Pectinia*.

pagoensis, *Acropora* Hoffmeister, 1925

H: 68214, Pago Pago, 1 col.—Recent.

paliferus, *Stephanocyathus* Cairns, 1977b

H: 45755 (not 47755, as originally reported), *Gerda*-1017, 1 corallum; P: 45756, *Gerda*-1016, 13 coralla; P: 45757, *Gerda*-694, 2 coralla; P: 45758, *Gerda*-817, 3 coralla; P: 45759, *Pillsbury*-445, 1 corallum.—Recent.

pallens, *Oculina* Ehrenberg, 1834

S: 36567, locality unknown, 1 branch.—Recent.

Remark: Junior synonym of *Oculina diffusa* Lamarck, 1816 (J. W. Wells, pers. comm.).

pallida, *Astraea (Fissicella)* Dana, 1846

S: 30, Fiji (USEE), 1 col.—Recent.

Remark: Junior synonym of *Favia rotumana* (Gardiner, 1899) (see Chevalier, 1971).

palmata, *Manopora* Dana, 1846

S: 337, Fiji (USEE), 1 col.—Recent.

Remark: Species subsequently transferred to *Montipora*.

palmata, *Porites* Dana, 1846

H: 689, Sulu Sea (USEE), 1 col.—Recent.

palmerae, *Acropora* Wells, 1954

H: 44482, sta. 10B, 1 col.; P: 44480, sta. 10A, 1 col.; P: 44483, sta. 10B, 1 col.; P: 44510, sta. 10B, 1 col.—Recent.

palmerae, *Blagrovina* Wells, 1933

H: I75139, Sycamore Creek, 1 col.; P: I221573, Sycamore Creek, 1 col.—Cretaceous.

Remark: Species transferred to *Smilotrochus*?

panamensis, *Acropora* Vaughan, 1919

H: M325042a, USGS 6024a, 1 col.; P: M325042b, USGS 6024a, 1 col.—M. Miocene.

panamensis, *Goniopora* Vaughan, 1919

H: M325053, USGS 6016, 1 col.; P: M325054, USGS 6015,

- 2 col.—M. Miocene.
- panamensis*, *Pavona* Vaughan, 1919
S: M325232, USGS 6016, 1 col.; S: M325234, USGS 6016, 2 col.; S: M325235, USGS 6016, 1 col.—M. Miocene.
- panamensis*, *Porites* Vaughan, 1919
H: M325063, USGS 6016, 1 col.; P: M325064, USGS 6016, 2 col.—M. Miocene.
Remark: Junior primary homonym of *Porites panamensis* Verrill, 1866; Foster (1986) proposed the replacement name of *Porites waylandi* to avoid the homonymy.
- panamensis*, *Stylangia* Vaughan, 1919
H: M324955, USGS 6016, 1 col.—M. Miocene.
- panamensis*, *Stylophora* Vaughan, 1919
H: M324763, USGS 6016, 1 col.—M. Miocene.
- pandanus*, *Astraea* (*Fissicella*) Dana, 1846
H: 36, Fiji (USEE), 1 col.—Recent.
Remark: Junior synonym of *Favia speciosa* (Dana, 1846) (see Vaughan, 1918).
- papillosa*, *Fungia* Verrill, 1866a
H: 372, Loo Choo (NPPE), 1 col.—Recent.
Remark: Junior synonym of *Fungia fungites* (Linnaeus, 1758) (see Hoeksema, 1989).
- papyracea*, *Pavonia* Dana, 1846
S: 137, Sulu Sea (USEE), 1 col.—Recent.
Remark: Species subsequently transferred to *Leptoseris*.
- parksii*, *Orbicella* Hoffmeister, 1932
H: 63312, sta. 90, 1 col.—Pliocene.
Remark: Species subsequently transferred to *Montastraea*.
- parseptatus*, *Platyrochus* Cairns and Parker, in press
P: 85691, Backstairs Passage, SEM stub 541.—Recent.
- parva*, *Isastrea* Smith, 1927
H: I74327, Threemile Cove, 1 col.; P: I74238, Threemile Cove, 1 col.—U. Triassic.
- parvicalyx* forma, *Porites lobata* Vaughan, 1907a
H: 20923, Molokai, 1 col.—Recent.
- parvistella*, *Astraea* (*Fissicella*) Dana, 1846
S: 67, Fiji (USEE), 1 col.—Recent.
Remark: Junior synonym of *Goniastrea retiformis* (Lamarck, 1816) (see Chevalier, 1971).
- parvula*, *Caryophyllia* Cairns, 1979
H: 46865, Pillsbury-1140, 1 corallum; P: 46868, Gerda-984, 1 corallum; P: 36359, Albatross-2319, 1 corallum; P: 10094, Albatross-2320, 2 coralla; P: 46867, Silver Bay-3496, 1 corallum; P: 46866, Silver Bay-3494, 2 coralla.—Recent.
- paschalensis*, *Leptoseris* Wells, 1972
H: 53156, LaPerouse Bay, 1 large col. and 42 frag.; P: 53157, *Horizon-76*, juvenile specimens; P: 53158, *Horizon-76*, 2 frag.; P: 68384, *Horizon-76*, 10 frag.—Recent.
- paschalensis*, *Porites* Vaughan, 1906a
S: 68279, Easter Id., 6 col.—Recent.
- pattoni*, *Astrocoenia* Wells, 1933
H: I75118, Hiram Hill Ranch, 1 col.—L. Cretaceous.
- patula*, *Astraea* (*Orbicella*) Dana, 1846
S: 16, Fiji (USEE), 1 col.—Recent.
Remark: Junior synonym of *Diploastrea heliopora* (Lamarck, 1816) (see Wijsman-Best, 1980).
- patula*, *Montipora* Verrill, 1869a
S: 45478, Hawaii, 2 frag. (ex YPM 1817).—Recent.
Remark: Junior synonym of *Montipora hispida* (Dana, 1846) (see Veron and Wallace, 1984).
- paucispina* subforma, *Porites compressa* forma *angustisepta* Vaughan, 1907a
H: 20942, Molokai, 1 col.—Recent.
- paxilligera*, *Madrepora* Dana, 1846
S: 247, 249, Tahiti (USEE), 1 large col. each.—Recent.
Remark: Species subsequently transferred to *Acropora*.
- pecosensis*, *Favoidioseris* Wells, 1933
H: I75208, Pecos Co., 1 col.; P: I75133, I311587, Pecos Co., 2 col.—L. Cretaceous.
Remark: Species subsequently transferred to *Ovalastrea*.
- pecosensis*, *Orbicella* Wells, 1933
H: I75116, University Mesa, 1 slice of holotype and 2 TS.—L. Cretaceous.
Remark: Species subsequently transferred to *Montastraea*.
- pedersenii*, *Astropsammia* Verrill, 1869b
S: 38354, La Paz, frag. of a syntype (ex YPM 3962).—Recent.
Remark: Junior synonym of *Tubastraea coccinea* Lesson, 1829.
- pedroensis*, *Caryophyllia* Vaughan, 1903a
H: M164736, San Pedro, 1 corallum.—Pleistocene.
- pedroensis*, *Paracyathus* Vaughan, 1903a
H: M164738, San Pedro, 1 corallum.—Pleistocene.
- pennyi* var., *Orbicella limbata* Vaughan in Vaughan and Hoffmeister, 1926
H: M353654, USGS 8298, 1 col. in 2 pieces, 2 TS.—Miocene.
Remark: Junior synonym of *Montastraea limbata* (Duncan, 1863).
- pennyi*, *Pavona* Vaughan in Vaughan and Hoffmeister, 1926
H: M353664, USGS 8299, 1 col.—Miocene.
- perculata*, *Caryophyllia* Cairns, 1991
H: 84798, *Johnson-Sea-Link* 1937, 1 corallum; P: 84799, *Johnson-Sea-Link* 1914, SEM stub 534; P: 84800, *Johnson-Sea-Link* 1932, 1 corallum; P: 84801, *Johnson-Sea-Link* 1939, 2 coralla.—Recent.
- perexigua* var., *Sphenotrochus emarciatus* Dennant, 1906
S: 85701, Neptune Id., SEM stub 519 (ex SAM).—Recent.
Remark: According to Cairns and Parker (in press), the variety *perexigua* is not different from the Miocene nominate species.
- periallus*, *Cyathoceras* Squires, 1962
H: 68258, sta. 6389.1, 1 cast of holotype.—Oligocene.
Remark: This is a cast of the holotype, the original of which is at Otago University, New Zealand.

philippinensis, *Gardinieria* Cairns, 1989

H: 82002, *Albatross*-5217, 1 corallum; P: 82003, *Albatross*-5217, 1 corallum.—Recent.

pileiformis, *Polyphyllia* Dana, 1846

S: 158, Fiji (USEE), 1 col.; S: 980, Fiji (USEE), 1 col.—Recent.

Remark: Junior synonym of *Polyphyllia novaehiberniae* (Lesson, 1831) (see Hoeksema, 1989).

pilosa forma, *Porites compressa* Vaughan, 1907a

S: 20911, Kahana, 1 col.; S: 20914, Kahana, 1 col.—Recent.

pinguis, *Acropora* Wells, 1950

H: 44317, Pulo Tikus, 1 col.—Recent.

Remarks: ?Junior synonym of *Acropora robusta* (Dana, 1846) (see Veron and Wallace, 1984).

pittieri, *Balanophyllia* Vaughan, 1919

S: M325014, loc. #618, 2 col.—Plio-Pleistocene.

planilamellata, *Caryophyllia* Dennant, 1906

P: 85678, Cape Jaffa, 3 coralla (ex SAM).—Recent.

planiuscula, *Manopora* Dana, 1846

S: 311, Fiji (USEE), 1 col.—Recent.

Remark: Junior synonym of *Montipora verrucosa* (Lamarck, 1816) (see Veron and Wallace, 1984).

plicata, *Pocillopora* Dana, 1846

S: 699 (renumbered 36591), Fiji (USEE), 4 frag.—Recent.

Remark: Typical *P. plicata* is represented by USNM 699 (36591); however, Verrill (1869a) designated Dana's specimen from the Sandwich Islands (deposited at the MCZ ?) as *Pocillopora aspera lata*.

pliocenica, *Siderastrea* Vaughan, 1919

H: M325184, USGS 2662, 1 col.; P: M325185, USGS 2662, 21 col.—Pleistocene.

poculata, *Madrepora* Ellis and Solander, 1786

N: 80350, off New Jersey, 1 col.—Recent.

Remarks: Neotype designated by Peters et al. (1988). Senior objective synonym of *Astrangia michelinii* Milne Edwards and Haime, 1848; senior subjective synonym of *Astrangia danae* Milne Edwards and Haime, 1849; and *Astrangia danae* Agassiz, 1850 (see Peters, et al., 1988).

politum, *Flabellum* (*Flabellum*) Cairns, 1989

H: 81945, *Albatross*-5391, 1 corallum; P: 81942, *Albatross*-5133, 5 coralla; P: 81943, *Albatross*-5136, 1 corallum; P: 40743, *Albatross*-5178, 12 coralla (2 in alcohol); P: 40725 and 40756, *Albatross*-5212, 7 coralla; P: 40749, *Albatross*-5217, 2 coralla; P: 40723 and 40755, *Albatross*-5311, 5 coralla; P: 40731, *Albatross*-5212, 4 coralla; P: 81944, *Albatross*-5313, 1 corallum; P: 40724, *Albatross*-5391, 32 coralla; P: 40733, *Albatross*-5392, approx. 1050 coralla; P: 81946, *Albatross*-5393, 12 coralla, SEM stub 480; P: 40726, *Albatross*-5527, 1 corallum; P: 81947, off Calapan, 1 corallum.—Recent.

pollicata, *Pavona* (*Pseudocolumnastrea*) Wells, 1954

H: 44792, sta. 103, 1 col.—Recent.

Remark: Junior synonym of *Pavona maldivensis* (Gardiner, 1905) (see Veron and Pichon, 1980).

ponderosa, *Balanophyllia* Vaughan, 1900a

S: M158364, Prairie Creek, 2 coralla.—Eocene.

ponderosa, *Stylophora* Vaughan, 1900a

S: M158274, Salt Mountain, 1 col.; S: M158275, Salt Mountain, 1 col., 1 TS (68264).—Oligocene.

poritiformis, *Montipora* Verrill, 1866a

H: 415, Loo Choo (NPEE), 1 col. in 7 pieces.—Recent.

porosa var., *Pocillopora capitata* Verrill, 1869a

L: 62704, La Paz, 3 frag. (ex YPM 3884)—Recent.

Remarks: Variety raised to species rank and lectotype designated by Durham (1947:16).

portobellensis, *Stylophora* Vaughan, 1919

H: M324762, Panama, 1 col.—Tertiary.

portoricensis var., *Astrangia solitaria* Vaughan, 1901a

S: 36485, *Fish Hawk*-134, 1 corallite; S: 22091, *Fish Hawk* station unknown, 3 corallites.—Recent.

portoricensis, *Astreopora* Vaughan, 1919

H: M325306, USGS 3191, 1 col.—L. Miocene.

portoricensis, *Astrocoenia* Vaughan, 1919

H: M324785, USGS 3191, 1 col.; P: M324786, USGS 6881, 1 col.—L. Miocene.

Remark: Junior synonym of *Astrocoenia guantanamoensis* Vaughan, 1919 (A. Budd, pers. comm.).

portoricensis, *Cyathoceras* Vaughan, 1901a

H: 19633, *Fish Hawk*-6051, 1 corallum.—Recent.

Remark: ?Junior synonym of *Oxysmilia rotundifolia* (Milne Edwards and Haime, 1849) (see Cairns, 1979).

portoricensis, *Goniopora* Vaughan, 1919

H: M325061, USGS 3191, 1 col.; P: M325060, USGS 3191, 1 col.—L. Miocene.

Remark: Species subsequently transferred to *Porites* (see Foster, 1986).

portoricensis, *Leptoseris* Vaughan, 1919

H: M325231, USGS 3191, 1 col.—L. Miocene.

portoricensis, *Maeandra* Vaughan, 1919

H: M325004, USGS 3191, 1 col.—L. Miocene.

Remark: Species subsequently transferred to *Diploria*.

pourtalesi, *Deltocyathus* Cairns, 1979

H: 46883, *Pillsbury*-209, 1 corallum; P: 46884, *Pillsbury*-209, 1 corallum; P: 46885, *Gerda*-179, 8 coralla; P: 19197, *Blake* station unknown, 5 coralla.—Recent.

powelli, *Trochocyathus* Squires, 1962

H: 68257, Muriwai Beach, 1 cast; P: 68259, Muriwai Beach, 2 casts.—Miocene.

Remark: Specimens are casts only; original specimens at Otago University, New Zealand.

praetorta, *Pavonia* Dana, 1846

S: 152, Tahiti (USEE), 1 large col.—Recent.

Remark: Species now considered to be in *Pavona*.

primaevus, *Platyrochus* Vaughan and Popenoe, 1935

H: M371031, USGS 11913, 1 corallum; P: M371030, USGS 11902, 1 corallum.—Eocene.

profunda, *Astraeopora* Verrill, 1872

H: 208, Fiji (USEE), 1 col.—Recent.

- Remarks: Based on Dana's (1846) *Astraeopora pulvinaria* (Lamarck). Junior synonym of *Astreopora myriophthalma* (Lamarck, 1816).
- profunda*, *Oculina* Cairns, 1991
H: 84792, *Albatross*-3170, 1 branch; P: 36370, *Albatross*-3170, 23 branches; P: 36565, *Albatross*-3174, 1 branch; P: 36373, *Albatross*-3187, 10 branches; P: 36372, *Albatross*-3188, 14 branches, SEM stub 532; P: 22073, *Albatross*-3401, 1 branch.—Recent.
- profundacalyx* forma, *Porites compressa* Vaughan, 1907a
H: 21277, Molokai, 1 col.—Recent.
- profundorum* forma, *Porites compressa* Vaughan, 1907a
H: 21272, *Albatross*-3970, 1 col.—Recent.
- prolixa*, *Madrepora* Verrill, 1866a
S: 412, Ousima (NPEE), 1 col.; S: 414, Ousima (NPEE), 1 col.—Recent.
Remark: Junior synonym of *Acropora carduus* (Dana, 1846) (see Veron and Wallace, 1984).
- prostrata*, *Madrepora* Dana, 1846
S: 253, Sulu Sea (USEE), 1 col.—Recent.
Remark: ?Junior synonym of *Acropora millepora* (Ehrenberg, 1834) (see Veron and Wallace, 1984).
- pseudostelligera*, *Favia* Hoffmeister, 1932
H: 68221, loc. #155, 1 col.—?Eocene.
- pukoensis*, *Porites* Vaughan, 1907a
P: 22236, Molokai, 1 col.—Recent.
- pulchella*, *Diaseris* Verrill, 1866a
S: 74695, Ousima (NPEE), 3 col.—Recent.
Remark: Junior synonym of *Fungia distorta* (Michelin, 1842) (see Hoeksema, 1989).
- pulcher*, *Steriphonotrochus* Verrill, 1900a
H: M158215, Red Bluff, 1 col.—Eocene.
Remark: A species of *Bathycyathus*?
- pulchra*, *Astraea* (*Fissicella*) Dana, 1846
S: 74, Fiji (USEE), 1 col.—Recent.
Remark: Junior synonym of *Leptastrea purpurea* (Dana, 1846) (see Vaughan, 1918:91).
- pulchra*, *Margarastrea* Montanaro Gallitelli in Montanaro Gallitelli, Russo, and Ferrari, 1979
H: I316963, sta. M2672, 1 col.—U. Triassic.
- pulvinula*, *Goniopora* Wells, 1954
H: 44871, sta. 114, 1 col.—Recent.
Remark: ?Junior synonym of *Goniopora djiboutiensis* Vaughan, 1907b (see Veron and Pichon, 1982).
- pumila*, *Madrepora* Verrill, 1866a
H: 389, Bonin, 1 col. in 2 pieces.—Recent.
Remark: Species subsequently transferred to *Acropora*.
- pumpellyi*, *Astrocoenia* Verrill, 1900a
S: M158315, USGS 2336, 1 col.—Oligocene.
Remark: Species subsequently transferred to *Stylocoenia* (see Vaughan, 1919).
- purpurea*, *Astraea* (*Fissicella*) Dana, 1846
S: 75, Fiji (USEE), 1 col.—Recent.
Remark: Species subsequently transferred to *Leptastrea* (see Veron, Pichon, and Wijsman-Best, 1977).
- pusillum*, *Truncatoflabellum* Cairns, 1989
H: 81978, *Albatross*-5178, 1 corallum; P: 81979, *Albatross*-5178, 2 coralla; P: 81980, *Albatross*-5162, 1 corallum; P: 81981, *Albatross*-5277, 1 corallum.—Recent.
- puteolina*, *Astraea* (*Fissicella*) Dana, 1846
S: 33, East Indies (USEE), 1 col.—Recent.
Remark: Junior synonym of *Favia speciosa* (Dana, 1846) (see Vaughan, 1918).
- putillus*, *Ceratotrochus* Wells, 1945
H: 68357, sta. S34B, 1 col. in 3 pieces.—Eocene.
- putnami*, *Astraea* Verrill, 1872
S: 76, Singapore (USEE), 1 col.—Recent.
Remarks: Based on Dana's (1846) *Astraea* (*Fissicella*) *versipora* (Lamarck). Junior synonym of *Favia pallida* (Dana, 1846) (see Vaughan, 1918:105).
- quaylei*, *Cyathoceras* Durham, 1947
P: M547417, *Albatross*-4551, 1 corallum.—Recent.
Remark: Species subsequently transferred to *Labyrinthocyathus* by Cairns, 1991.
- quaylei*, *Rhabdophyllia* Wells, 1934
H: I74481, Trappean Shale, 1 col. now in 5 pieces.—U. Cretaceous.
- queenslandiae*, *Leptopsammia* Wells, 1964a
H: 68379, Jumpin Pin, 1 corallum; P: 68380, Jumpin Pin, 1 corallum.—Recent.
- ralphae*, *Sphenotrochus* Squires, 1964
P: 68262, *Ikatare* A-4, 7 coralla.—Recent.
- ramea*, *Plesiastrea* Duncan, 1864
S: M155273, USGS 12907, half of a col.—Miocene.
Remark: Junior synonym of *Montastraea limbata* (Duncan, 1863) (see Budd, in press).
- ramiculosa*, *Madrepora* Dana, 1846
S: 274, Fiji (USEE), 1 col., 10 frag.—Recent.
Remark: Species subsequently transferred to *Acropora*.
- rathbuni*, *Astrangia* Vaughan, 1906c
H: 10974, Rio de Janeiro, 1 col.—Recent.
- recta*, *Mussa* Dana, 1846
S: 9, Wake's Id. (USEE), 1 col.—Recent.
Remark: Species subsequently transferred to *Symphyllia* (see Veron and Pichon, 1982).
- rediviva*, *Archohelia* Wells and Alderslade, 1979
P: 82696, Rat Id., 1 col.; P: 82697, Rat Id., 1 branch (ex AM G9835); P: 82698, Rat Id., 1 branch.—Recent.
- reesi*, *Mycetophyllia* Wells, 1973a
H: 53493, West Bull, 1 col. and 2 frag.—Recent.
- reesidei*, *Dasmosmilia* Wells, 1933
H: I75156, Guadelupe River, 1 corallum; P: I311584, Guadelupe River, 1 corallum.—U. Cretaceous.
- reflexa*, *Echinopora* Dana, 1846
S: 147, 164, Fiji (USEE), 1 col. each.—Recent.
Remark: Junior synonym of *Echinopora lamellosa* (Esper, 1795) (see Veron, Pichon, and Wijsman-Best, 1977).

regalis, *Merulina* Dana, 1846

S: 115, Fiji (USEE), 1 large col., 8 frag.; S: 118, Fiji (USEE), 1 large col., 7 frag.—Recent.

Remark: Junior synonym of *Merulina ampliata* (Ellis and Solander, 1786) (see Veron and Pichon, 1980).

repanda, *Fungia* Dana, 1846

L: 122, Fiji (USEE), 1 col.; PL: 111, locality unknown (USEE), 1 col.; PL: 112, Sulu Sea (USEE), 1 col.; PL: 113, locality unknown (USEE), 1 col.; PL: 123, Fiji (USEE), 1 col.—Recent.

Remarks: Lectotype and paralectotypes designated by Hoeksema (1989). According to him, paralectotype USNM 111 is *Fungia scruposa* Klunzinger, 1879; and paralectotypes USNM 112 and 123 are *Fungia concinna* Verrill, 1864.

reticulosa, *Porites* Dana, 1846

S: 662, 663, Fiji (USEE), 2 and 1 col., respectively.—Recent.

retusa, *Madrepora* Dana, 1846

H: 273, Fiji (USEE), 1 col.—Recent.

Remark: Species subsequently transferred to *Acropora*.

revellei, *Astrocoenia* Hamilton, 1956

H: I189890, Hess Guyot, 1 col.—Cretaceous.

rhomboideum, *Flabellum* Vaughan, 1900a

S: M158004–M158005, Red Bluff, 2 col. each.—Eocene.

richardsi, *Placohelia* Wells, 1933

H: I75147, Belton, 1 col.; P: I147651, Belton, 3 col.; P: I75196, Kickapoo Springs, 1 col.—L. Cretaceous.

Remark: Species now in *Ogilviastraea*.

rigida, *Merulina* Dana, 1846

S: 148, Fiji (USEE), 1 col., 6 frag.—Recent.

Remark: Species subsequently transferred to *Hydnophora* (see Veron, Pichon, and Wijsman-Best, 1977).

rigida, *Montipora* Verrill, 1866a

H: 386, Bonin Id. (NPPE), 1 frag.—Recent.

robusta, *Astraea* (*Fissicella*) Dana, 1846

S: 63, Fiji (USEE), 1 col.—Recent.

Remark: Junior synonym of *Favites abdita* (Ellis and Solander, 1786) (see Veron, Pichon, and Wijsman-Best, 1977).

robusta, *Madrepora* Dana, 1846

H: 297, Fiji (USEE), 1 col.—Recent.

Remark: Species subsequently transferred to *Acropora*.

rosaria, *Madrepora* Dana, 1846

S: 281, Fiji (USEE), 1 col., 1 frag.; S: 933, Fiji (USEE), 1 col.—Recent.

Remark: Species subsequently transferred to *Acropora*.

rotatilis, *Micrabacia* Stephenson, 1916

H: I147659, Brightseat, 1 corallum; P: I203616, Brightseat, 2 coralla; P: I203615, McNeys Corners, 1 corallum; P: I203614, Seat Pleasant, 2 coralla.—U. Cretaceous.

roxboroughi, *Cyathomorpha* Vaughan, 1919

H: M325220 (not 325250, as reported by Vaughan), USGS 6962, 1 col.; P: M325248, USGS 6894, 1 col.—M. Miocene.

Remark: Junior synonym of *Montastraea endothecata* (Duncan, 1863) (A. Budd, pers. comm.).

rugosa, *Euphyllia* Dana, 1846

S: 88, 4009, Fiji (USEE), 1 col. each.—Recent.

Remark: Junior synonym of *Euphyllia glabrescens* (Chamisso and Eysenhardt, 1821) (see Veron and Pichon, 1980).

rugosus, *Paracyathus* Vaughan, 1900a

H: M158210, Wood's Bluff, 1 corallum.—Eocene.

russelli, *Plesiastrea* Wells, 1954

H: 45004, sta. 114, 1 col.—Recent.

Remark: Species subsequently transferred to *Favites* (see Veron, Pichon and Wijsman-Best, 1977).

rustica, *Meandrina* Dana, 1846

S: 17, Wake's Id. (USEE), 1 col. in 2 pieces; S: 353, Wake's Id. (USEE), 1 col.—Recent.

Remark: Junior synonym of *Platygyra daedalea* (Ellis and Solander, 1786) (see Veron, Pichon, and Wijsman-Best, 1977).

saludensis, *Acropora* Vaughan, 1919

S: M325043, USGS 6024b, 2 col.—M. Miocene.

samboangensis, *Fungia* Vaughan, 1906b

H: 21139, Samboanga, 1 col.—Recent.

Remark: Junior synonym of *Fungia repanda* Dana, 1846 (see Hoeksema, 1989:92).

samoensis, *Psammocora* Hoffmeister, 1925

S: 68209–68210, Pago Pago Harbor, 1 col. each.—Recent.

Remark: ?Junior synonym of *Psammocora nierstraszi* van der Horst, 1921 (see Veron and Pichon, 1976).

sawkinsi, *Actinacis* Wells, 1934

H: 44294, Spring Mountain, 1 col.—M. Eocene.

sawkinsi, *Antillia* Vaughan in Vaughan and Hoffmeister, 1926

H: M353652, USGS 8299, 1 col.; P: M353653, USGS 8299, 4 col.—U. Miocene.

Remark: ?Junior synonym of *Antillophyllia dubia* (Duncan, 1863) (A. Budd, pers. comm.).

scabra, *Leptoseris* Vaughan, 1907a

S: 20885, *Albatross*-3876, 1 col.; S: 20886, *Albatross*-3823, 1 col.; S: 20848, *Albatross*-3876, 2 col.—Recent.

scabricula, *Manopora* Dana, 1846

S: 318, Fiji (USEE), 1 col.—Recent.

Remark: Species subsequently transferred to *Montipora*.

scabricula, *Merulina* Dana, 1846

S: 165, 167, Fiji (USEE), 1 col. each.—Recent.

Remark: Veron and Pichon (1980) place this species in *Clavarina*.

scabrosa, *Dendrophyllia* Dana, 1846

H: 179, Singapore (USEE), 1 col.—Recent.

Remark: Species subsequently transferred to *Balano-phyllia* (see Verrill, 1872).

schindewolfi, *Prodiplostrea* Wells, 1934

H: I74476, Catadupa, 1 col.—U. Cretaceous.

Remark: Species subsequently transferred to *Montastraea*.

- schmitti*, *Acropora* Wells, 1950
H: 44320, Pulo Tikus, 1 col.—Recent.
- scotica*, *Siderastrea* Wells, 1945
H: 68330, sta. S360, 1 col.—Eocene.
- scottianus*, *Platygyathus* Wells, 1933
H: I75140, Katy Lake Dam, 1 corallum.—L. Cretaceous.
- secunda*, *Madrepora* Dana, 1846
S: 302, Singapore (USEE), 1 large col., 2 frag.; S: 323, Singapore (USEE), 2 frag.—Recent.
Remark: Species subsequently transferred to *Acropora*.
- securis*, *Madrepora* Dana, 1846
H: 304, East Indies (USEE), 1 col.—Recent.
Remark: Junior synonym of *Acropora cuneata* (Dana, 1846) (see Veron and Wallace, 1984:158).
- sellardsi*, *Trochocyathus* Wells, 1933
H: I75144, Sycamore Creek, 1 corallum.—L. Cretaceous.
- senaria*, *Madracis* Wells, 1974b
H: 45704, Pillsbury-1252, 1 col. in 2 pieces.—Recent.
- seni*, *Sphenotrochus* (*Eusthenotrochus*) Wells, 1945
H: 68358, Martinique (loc. M-35), 1 corallum.—Miocene.
- serpentina*, *Dendrophyllia* Vaughan, 1907a
S: 20828, Albatross-4045, 4 col.—Recent.
- setchelli*, *Leptoria* Hoffmeister, 1932
H: 68255, sta. 407, 1 large col.—?Eocene.
- setchelli*, *Pocillopora* Hoffmeister, 1929a
H: 85759, Tahiti (#6073), 1 col.; P: 85758, Albatross (3 October), 2 col.; P: 3979, USEE, 1 col.—Recent.
- sexcostatum*, *Flabellum* (*Ulocyathus*) Cairns, 1989
H: 81934, Albatross-5284, 1 corallum; P: 81935, Albatross-5284, 6 coralla.—Recent.
- shastensis*, *Astrocoenia* Smith, 1927
H: I74229, Brook Mountain, 1 frag., 2 TS.—U. Triassic.
- shumardi*, *Frechia* Wells, 1933
H: I259303, northwest of Georgetown, 1 col. (cut in half); P: I259303, northwest of Georgetown, 1 col. (cut in half)—L. Cretaceous.
Remarks: Both holotype and paratype have the same number. Species subsequently transferred to *Epistreptophyllum*.
- silecensis* var., *Orbicella tampaensis* Vaughan, 1919
P: M324896, USGS 7754, 1 col.—L. Miocene.
Remark: Junior synonym of *Montastraea cavernosa* (Linnaeus, 1767).
- silecensis*, *Siderastrea* Vaughan, 1919
H: M325187, USGS 3694, 1 col.—L. Miocene.
Remark: Junior synonym of *Siderastrea hillsboroensis* Vaughan, 1919 (see Budd, in press).
- silicensis* var., *Antiguastrea cellulosa* Vaughan, 1919
H: M324936, USGS 3383, 1 col.—L. Miocene.
- silicensis* var., *Goniopora decaturensis* Vaughan, 1919
H: M325026, USGS 3381, 1 col. in 2 frag.—L. Miocene.
Remark: ?Junior synonym of *Goniopora imperatoris* Vaughan, 1919.
- simondsi*, *Polyphyllastrea* Wells, 1932
S: I75122, Pleasant Valley, 1 col.—Cretaceous.
Remark: Species subsequently transferred to *Microsolena*.
- sinensis*, *Turbinaria* Verrill, 1866a
S: 173, Hong Kong (NPEE), 1 col.—Recent.
- singleyi*, *Oculina* Vaughan, 1900a
S: M157515, Smithville, 4 branch frag.; S: M158248, Trinity River, 2 branch frag.—Eocene.
- sinuosa*, *Astraea* (*Fissicella*) Dana, 1846
S: 71, Fiji (USEE), 1 col.—Recent.
Remark: Junior synonym of *Goniastrea pectinata* (Ehrenberg, 1834) (see Veron, Pichon, and Wijsman-Best, 1977).
- sinuosus*, *Paracyathus* Cairns and Wells, 1987
P: 74686, NMB 15833, 8 coralla.—L. Miocene to M. Pliocene.
- smithi*, *Oculina* Vaughan, 1900a
S: M158254, Prairie Creek, 2 frag.—Eocene.
- solida*, *Caryophyllia* Cairns, 1991
H: 84804, Johnson-Sea-Link 1924, 1 corallum; P: 84805, Johnson-Sea-Link 1924, 8 coralla; P: 84806, Johnson-Sea-Link 1926, 1 corallum; P: 84807, Johnson-Sea-Link 1935, 1 corallum; P: 36429, Albatross-2808, 1 corallum.—Recent.
- somaliensis*, *Goniopora* Vaughan, 1907b
H: 21989, off Somalia, half of col.—Recent.
- somaliensis*, *Physogyra* Vaughan, 1907b
P: 31960, off Somalia, 1 col.—Recent.
- speciosa*, *Agaricia* (*Undaria*) Dana, 1846
H: 199, East Indies (USEE), 1 frond.—Recent.
Remark: Species subsequently transferred to *Pachyseris*.
- speciosa*, *Astraea* (*Fissicella*) Dana, 1846
S: 37, East Indies (USEE), 1 col.—Recent.
Remark: Species subsequently transferred to *Favia* (see Veron and Pichon, 1982).
- speciosa*, *Merulina* Dana, 1846
S: 149, Fiji (USEE), 1 col.—Recent.
Remark: Junior synonym of *Merulina ampliata* (Ellis and Solander, 1786) (see Veron and Pichon, 1980).
- spectabilis*, *Prionastraea* Verrill, 1872
H: 79, Fiji (USEE), 1 col.—Recent.
Remarks: Based on Dana's (1846) *Astraea* (*Fissicella*) *magnifica* (Blainville). Junior synonym of *Goniastrea aspera* Verrill, 1865 (see Veron, Pichon, and Wijsman-Best, 1977).
- spenceri*, *Leptoria* Vaughan, 1919
H: M324968a, USGS 3473, 1 col.; P: M324968b, USGS 3473, 2 col.—Tertiary.
- spheniscus*, *Euphyllia* Dana, 1846
S: 89, 90–93, Singapore (USEE), 1 col. each.—Recent.
Remark: Species subsequently transferred to *Truncatoflabellum* (see Cairns, 1989).
- spicifera*, *Madrepora* Dana, 1846
S: 234, 244, Singapore (USEE), 1 col. each.—Recent.
Remark: Species subsequently transferred to *Acropora*.
- spinulosa*, *Euphyllia* Dana, 1846
H: 90, Cape Frio (USEE), 1 col.—Recent.

- Remark: Probably a species of *Meandrina*.
splendens, *Cyathomorpha* Vaughan, 1919
 H: M325219, USGS 6854, 1 col.—Oligocene.
 Remark: Species subsequently transferred to *Agathiphyllia*.
- spongiosa*, *Alveopora* Dana, 1846
 H: 319, Fiji (USEE), 1 col.—Recent.
- squarrosa*, *Pocillopora* Dana, 1846
 S: 443, Tahiti (USEE), 1 col.—Recent.
- squiresi*, *Caryophyllia* Cairns, 1982a
 H: 47160, *Eltanin*-558, 1 corallum; P: 47161, *Eltanin*-558, 22 coralla.—Recent.
- squiresi*, *Cyathoceras* Cairns, 1979
 H: 46874, *Columbus Iselin*-246, 1 corallum; P: 46877, *Gerda*-44, 10 coralla; P: 46876, *Columbus Iselin*-140, 5 coralla; P: 46875, *Columbus Iselin*-246, 4 coralla; P: 46878, *Eastward*-26004, 2 coralla.—Recent.
 Remark: Species subsequently transferred to *Crispatotrochus* (see Cairns, 1991).
- squiresi*, *Rhombosammia* Owens, 1986
 H: 72797, *Albatross*-5423, 1 corallum; P: 72800, *Albatross*-5425, 3 frag., SEM 487-488; P: 72799, *Albatross*-5513, 1 corallum; P: 72798, *Albatross*-5429 (not 5427 as originally reported, see Cairns, 1989), half of corallum embedded in epoxy.—Recent.
- stainbrooki*, *Trochsmilia* Wells, 1933
 H: 175226, Three Lakes, 1 col.—L. Cretaceous.
- stantoni*, *Dimorphastrea* Wells, 1933
 P: 175123, Slaughter Creek, 1 col.—L. Cretaceous.
- stantoni*, *Trochocyathus* Vaughan, 1900a
 H: M158158, Contra Costa, 1 corallum.—Eocene.
- stellata*, *Culicia* Dana, 1846
 ?H: 185, Singapore (USEE), 1 col. in 2 pieces.—Recent.
- stellata*, *Stephanocora* Verrill, 1866b
 S: 20849, Panama, 1 col.; S: 20897, Panama, 1 col. (ex YPM 2182).—Recent.
 Remark: Species subsequently transferred to *Psammocora* (*Stephanaria*).
- stelligera*, *Astraea* (*Orbicella*) Dana, 1846
 S: 55, Fiji (USEE), 1 col.—Recent.
 Remark: Species subsequently transferred to *Favia* (see Vaughan, 1918).
- stellulatus*, *Deltocyathus* Cairns, 1984
 H: 60516, HON 9-3, 1 corallum; P: 60517, HON 9-3, 2 coralla.—Recent.
 Remarks: Species subsequently transferred to *Bourneotrochus*; senior synonym of *B. veroni* Wells, 1984.
- stephensoni*, *Caryophyllia* Wells, 1933
 H: 175187, Mustang Creek, 1 corallum; P: I221571, Mustang Creek, 5 coralla.—U. Cretaceous.
- stephensoni*, *Micrabacia* Wells, 1933
 H: I75232, USGS 16145, 1 corallum; P: I203610, USGS 16145, 12 coralla.—U. Cretaceous.
- stephensoni*, *Oryzotrochus* Wells, 1959
 H: 45383, Murray Ids., 1 corallum; P: 45384, Murray Ids., 3 coralla; P: 45385, Murray Ids., 9 coralla.—Recent.
- stewartae*, *Cladophyllia* Wells, 1944a
 H: M547398, Cumaná, 1 col. and 3 frag., 1 TS.—L. Cretaceous.
- stockwelli*, *Coeloseris* Hoffmeister, 1945
 H: 68248, sta. 110A, 1 col.; P: 68238, sta. 110A, 1 col.—Neogene.
- striata*, *Dendrophyllia* Vaughan, 1900a
 H: M158472, Mt. Lebanon, 1 col.—Eocene.
- striata*, *Madrepora* Verrill, 1866a
 S: 371, Ousima (NPEE), 1 col.—Recent.
 Remark: Species subsequently transferred to *Acropora*.
- striatum*, *Desmophyllum* Cairns, 1979
 H: 46886, *Columbus Iselin*-6, 1 corallum; P: 46887, *Pillsbury*-1411, 1 corallum; P: 46888, *Silver Bay*-3494, 1 corallum; P: 46889, Bahia Cochinas, 1 corallum.—Recent.
- strictus*, *Herpetolithus* Dana, 1846
 S: 161, Tahiti (USEE), 1 col.—Recent.
 Remark: Junior synonym of *Herpoliitha limax* Esper, 1795 (see Hoeksema, 1989).
- strigosa*, *Meandrina* Dana, 1846
 H: 5, West Indies, 1 col.—Recent.
 Remark: Species subsequently transferred to *Diploria*.
- studerii*, *Montipora* Vaughan, 1907a
 S: 20817, *Albatross*-4024, 1 col.; S: 20809, *Albatross*-4024, 1 col.—Recent.
- studerii*, *Porites* Vaughan, 1907a
 H: 21623, *Albatross*-3876, 1 col.—Recent.
- stutchburyi*, *Goniopora* Wells, 1955
 P: 82568, Myora Coral Patch, 1 col.; P: 82569, Flat Top Id., 1 col.; P: 82570, Coppersmith Rock, 1 col.—Recent.
- stylophoroides* var., *Pocillopora cespitosa* Vaughan, 1907a
 S: 20852, *Albatross*-3959, 2 col.—Recent.
- subglabra* var., *Montipora bernardi* Vaughan, 1907a
 H: 20813, *Albatross*-4054, 1 branch.—Recent.
- subulata*, *Madrepora* Dana, 1846
 L: 256, Fiji (USEE), 1 col., 2 frag.—Recent.
 Remarks: Lectotype designated by Veron and Wallace (1984:322). Species subsequently transferred to *Acropora*.
- sucrensis*, *Stylina* Wells, 1944a
 H: M547385, Cumaná, 1 col. in 5 pieces, 1 TS.—L. Cretaceous.
- suggesta*, *Astreopora* Wells, 1954
 H: 44703, sta. 114, 1 col.; P: 44704, sta. 114, 1 col.—Recent.
- sukunai*, *Orbicella* Hoffmeister, 1945
 H: 68233, sta. 110A, 1 col.; P: 63315, sta. L344A, 1 col.—Neogene.
 Remark: Species subsequently transferred to *Montastraea*.
- surculosa*, *Madrepora* Dana, 1846
 S: 248, Fiji (USEE), 1 col.; S: 251, Tahiti (USEE), 1

- col.—Recent.
 Remark: ?Junior synonym of *Acropora hyacinthus* (Dana, 1846) (see Veron and Wallace, 1984:310).
- sverdrupi*, *Porites* Durham, 1947
 H: M547362, Carmen Id., 1 col. in 4 pieces.—Recent.
- tabulata*, *Astreopora* Wells, 1954
 H: 44698, sta. 107, 1 col.; P: 44699, sta. 107, 2 col.—Recent.
- tagusensis*, *Tubastraea* Wells, 1982
 H: 46977, Tagus Cove, 1 col.; P: 46979, Tagus Cove, 1 col.—Recent.
- tampae*, *Alveopora* Weisbord, 1973
 H: 66160, USGS 2115, 1 col.—L. Miocene.
 Remark: Based on *Alveopora tampae* Vaughan, 1915 nom. nud.
- tampae*, *Cyphastrea* Weisbord, 1973
 H: 66161, Ballast Point, 1 col.—L. Miocene.
 Remarks: Based on *Cyphastrea tampae* Vaughan, 1915 nom. nud. Junior synonym of *Solenastrea bournoni* Milne Edwards and Haime, 1850 (see Budd, in press).
- tampae*, *Endopachys* Wells, 1975
 H: I174388, Silex Beds, 1 corallum; P: I174389, Silex Beds, 1 corallum.—Miocene.
 Remark: Based on *Endopachys tampae* Vaughan, 1915 nom. nud.
- tampae*, *Syzygophyllia* Weisbord, 1973
 H: 68312, Ballast Point, 1 corallum.—Miocene.
 Remark: Based on *Syzygophyllia tampae* Vaughan, 1915 nom. nud.
- tampaensis*, *Acropora* Weisbord, 1973
 H: 68313, USGS 4999, 1 col.—Miocene.
 Remark: Based on *Acropora tampaensis* Vaughan, 1915 nom. nud.
- tampaensis*, *Goniopora* Weisbord, 1973
 H: 68317, USGS 2084, 1 col.—Miocene.
 Remarks: Based on *Goniopora tampaensis* Vaughan, 1915 nom. nud. Junior synonym of *Goniopora hilli* Vaughan, 1919 (see Budd, in press).
- tampaensis*, *Orbicella* Vaughan, 1919
 H: M324900, USGS 2115, 1 col.; P: M324901, USGS 2115, 1 col.—L. Miocene.
 Remarks: ?Junior synonym of *Montastraea cavernosa* (Linnaeus, 1767) (see Budd, in press). Caption to original illustrations reverse holotype and paratypes.
- taylorensis*, *Micrabacia* Wells, 1933
 H: I75213, USGS 12894, 1 corallum; P: I203611, USGS 12894, 8 coralla; P: I75770, San Marcos, 2 coralla; P: I75149, Austin, 1 corallum.—U. Cretaceous.
- taylorensis*, *Trochocyathus* Wells, 1933
 H: I75131, Walnut Creek, 1 corallum.—U. Cretaceous.
- tegula* var., *Phyllocoenia sculpta* Duncan, 1863
 ?H: M155274, Nivaje Shale, 1 col.—Miocene.
 Remark: Species subsequently transferred to *Montastraea*.
- tenella*, *Culicia* Dana, 1846
 H: 184, Port Jackson (USEE), 1 col.—Recent.
- tenisonwoodsii*, *Crispatotrochus* Wells, 1977
 H: I208316, USGS 24686, 1 corallum; P: I208317, USGS 24686, 1 corallum.—Eocene.
- tenuicalyx*, *Paracyathus* Vaughan, 1907a
 H: 20755, *Albatross*-3895, 1 corallum.—Recent.
 Remark: Species subsequently transferred to *Trochocyathus* (see Cairns, 1984).
- tenuicaulis*, *Montipora* Vaughan, 1907a
 S: 20811, *Albatross*-3847, 4 frag.—Recent.
- tenuis*, *Fungia* Dana, 1846
 H: 114, Paumotu Archipelago (USEE), 1 col.—Recent.
- tenuis*, *Madrepora* Dana, 1846
 S: 259, Fiji (USEE), 1 col.—Recent.
 Remark: Species subsequently transferred to *Acropora*.
- tenuis*, *Meandrina* Dana, 1846
 S: 62, Fiji (USEE), 1 col.—Recent.
 Remark: Junior synonym of *Leptoria phrygia* (Ellis and Solander, 1786) (see Veron, Pichon, and Wijsman-Best, 1977).
- tenuis*, *Porites* Verrill, 1866a
 H: 407, Loo Choo (NPEE), 1 col.—Recent.
- teres*, *Madrepora* Verrill, 1866a
 H: 377, Ousima (NPEE), 1 col.—Recent.
 Remark: Species subsequently transferred to *Acropora*.
- texana* var., *Balanophyllia ponderosa* Vaughan and Popenoe, 1935
 S: M371043, USGS 10846, 5 coralla.—Eocene.
- texana*, *Caryophyllia* Vaughan, 1900a
 S: M158214, San Augustine, 2 coralla.—Eocene.
- texana*, *Orbicella* Vaugahn, 1903b
 S: M312611, Buda Limestone, 1 col. and 3 TS; S: M312013, Buda Limestone, 1 col. and 2 TS.—L. Cretaceous.
 Remark: Species subsequently transferred to *Montastraea*.
- texana*, *Parasmilia* Vaughan, 1903b
 H: I312610, Shoal Creek, 1 corallum.—Cretaceous.
- texana*, *Turbinolia* Conrad, 1857
 S: I9836, Leon Springs, 2 coralla.—Cretaceous.
 Remark: According to Vaughan and Popenoe (1935) this species does not belong in the genus *Turbinolia*.
- texense*, *Flabellum* Vaughan and Popenoe, 1935
 H: M371034, USGS 11913, 1 corallum.—Eocene.
- thomi*, *Paracyathus* Vaughan, 1920
 H: I32377, USGS 7961, 1 corallum.—?Cretaceous.
- tongensis*, *Astreopora* Hoffmeister, 1932
 H: 68254, sta. 128, 1 col.—Pliocene.
- tongensis*, *Orbicella* Hoffmeister, 1932
 H: 68252, sta. 177, 1 col.—Pliocene.
 Remark: Species subsequently transferred to *Montastraea*.
- torresiana*, *Pachyseris* Vaughan, 1918
 H: 68298, Torres Strait, 1 col.—Recent.

- Remark: Junior synonym of *Pachyseris rugosa* (Lamarck, 1801).
tortuosa, *Madrepora* Dana, 1846
 S: 284, Fiji (USEE), 1 col.—Recent.
 Remark: Species subsequently transferred to *Acropora*.
tortuosa, *Manopora* Dana, 1846
 S: 310, Singapore (USEE), 1 col.—Recent.
 Remark: Junior synonym of *Montipora digitata* (Dana, 1846) (see Veron and Wallace, 1984).
toulai, *Porites* Vaughan, 1919
 H: M325105a, USGS 6016, 1 col.; P: M325105b, USGS 6016, 3 col.—M. Miocene.
 Remark: Junior synonym of *Porites baracoensis* Vaughan, 1919 (see Foster, 1986).
traceyi, *Goniopora* Wells, 1954
 H: 44868, sta. 1, 1 col.—Recent.
 Remark: ?Junior synonym of *Goniopora lobata* Milne Edwards and Haime, 1860 (see Veron and Pichon, 1982).
travisensis, *Orbicella* Wells, 1932
 S: I75117, Cox's Crossing, 3 frag. and 5 TS.—Cretaceous.
 Remark: Species subsequently transferred to *Montastraea*.
trechmanni, *Astrocoenia* Wells, 1945
 H: 68321, sta. S101, 1 col.; P: 68322, sta. S101, 1 col.—Eocene.
trechmanni, *Dichocoenia* Wells, 1934
 H: I74480, Catadupa, 1 col.—U. Cretaceous.
trechmanni, *Goniopora* Wells, 1934
 H: I74482, Catadupa, 1 col.; P: I74493, Smithville, 1 col.—U. Cretaceous.
triadica, *Halomitra* Smith, 1927
 H: I74258, USGS 10097, 1 col.—U. Triassic.
trinitatis, *Asterosmia* Vaughan in Vaughan and Hoffmeister, 1926
 H: M353648, USGS 8299, 1 corallum; P: M353649, USGS 8299, 1 corallum.—U. Miocene.
trinitatis, *Goniastrea* Vaughan in Vaughan and Hoffmeister, 1926
 H: M353661, USGS 8304, 1 col. cut in half and polished.—Tertiary.
trinitatis, *Leptopsammia* Hubbard and Wells, 1986
 H: 68478, Winn's Bay, 1 corallum; P: 68479, Winn's Bay, 1 corallum.—Recent.
trinitatis, *Orbicella* Vaughan in Vaughan and Hoffmeister, 1926
 H: M353657, USGS 8299, 1 col.—U. Miocene.
 Remark: Species subsequently transferred to *Montastraea*.
trinitatis, *Pavona* Vaughan in Vaughan and Hoffmeister, 1926
 H: M353665, USGS 8299, 1 col; P: M353666, USGS 8299, 1 col.—Miocene.
trinitatis, *Placocyathus* Vaughan in Vaughan and Hoffmeister, 1926
 S: M353647, USGS 8301, 2 col. (1 cut in 3 pieces).—Miocene.
 Remark: Species subsequently transferred to *Antillocyathus* (see Wells, 1937).
trinitatis, *Porites* Vaughan in Vaughan and Hoffmeister, 1926
 H: M353674, USGS 8299, 1 col.—Miocene.
trinitatis, *Psammocora* Vaughan in Vaughan and Hoffmeister, 1926
 H: M353672, USGS 8299, 1 col.—Miocene.
trinitatis, *Sphenotrochus* Vaughan in Vaughan and Hoffmeister, 1926
 H: M353645, USGS 8301, 1 corallum.—Miocene.
truncata, *Culicia* Dana, 1846
 H: 183, Fiji (USEE), 1 col.—Recent.
truncum, *Flabellum* Cairns, 1982a
 H: 47174, *Eltanin* 21-283, 1 corallum; P: 47175, *Eltanin* 21-283, 6 coralla; P: 47176, *Anton Bruun* 18-714, 19 coralla.—Recent.
 Remark: Species subsequently transferred to *Truncatoflabellum* (see Cairns, 1989).
tuberosa, *Dichocoenia* Duncan, 1863
 S: M155275, Nivaje Shale, half of col.—Miocene.
tuberosa var., *Pocillopora nobilis* Verrill, 1869a
 H: 20993, Hawaii, frag. of holotype (ex YPM 1270).—Recent.
tubicinaria, *Madrepora* Dana, 1846
 S: 258, Fiji (USEE), 1 col.—Recent.
 Remark: Species subsequently transferred to *Acropora*.
tubifex, *Phyllastraea* Dana, 1846
 S: 169, Fiji (USEE), 1 col. in 3 pieces.—Recent.
 Remark: Junior synonym of *Mycedium elephantotus* (Pallas, 1766) (see Veron and Pichon, 1980).
tubulifera, *Leptoseris* Vaughan, 1907a
 S: 20891, *Albatross*-3876, 12 coralla; S: 20846, *Albatross*-3876, 3 coralla.—Recent.
tuckerae, *Siderastrea* Wells, 1933
 P: 85843, Denton, 3 col.—L. Cretaceous.
tumida, *Madrepora* Verrill, 1866a
 S: 360, 393, 394, 419, Hong Kong (NPEE), 1 col. each.—Recent.
 Remark: Species subsequently transferred to *Acropora*.
tumida var., *Pocillopora cespitosa* Vaughan, 1907a
 H: 20870, Molokai, 1 col.—Recent.
tumida forma, *Porites compressa* Vaughan, 1907a
 H: 651, USEE, 1 col.—Recent.
turbinioloides, *Fungiacyathus* (*Bathyaectis*) Cairns, 1989
 H: 81750, *Albatross*-5586, 1 corallum; P: 81748, *Albatross*-5586, 62 coralla; P: 81749, *Albatross*-5318, 3 coralla.—Recent.
turgida, *Madrepora* Verrill, 1866a
 H: 358, Loo Choo (NPEE), 1 col.—Recent.
 Remark: Species subsequently transferred to *Acropora*.
tuthilli, *Flabellum* Hoffmeister, 1933
 P: 68231, (specimen #7), 1 corallum (ex AM G12282); P: 68230, (specimen #9) (E3733), 2 coralla.—Recent.

- tutuilensis*, *Acropora* Hoffmeister, 1925
S: 68208, Pago Pago Harbor (specimen #1), 1 col.; S: 68310, Pago Pago Harbor (specimen #2), 1 col.; S: 68206, Pago Pago Harbor (specimen #3), 1 col.; S: 68207, Pago Pago Harbor (specimen #4), 1 col.—Recent.
Remarks: Junior synonym, in part, of *Acropora listeri* (Brook, 1893) (see Veron and Wallace, 1984). USNM 68207 is *Acropora rotumana* (Gardiner, 1898), according to Wallace (1978).
- tutuilensis* var., *Psammocora contigua* Hoffmeister, 1925
H: 68211, Pago Pago Harbor, 1 col.—Recent.
- tuvuthaensis*, *Astreopora* Hoffmeister, 1945
H: 68243, sta. L344A, 1 col. in 3 pieces.—Neogene.
- uber*, *Trochocyathus* Vaughan and Popenoe, 1935
S: M371032, USGS 10846, 3 coralla.—Eocene.
- undulata*, *Echinopora* Dana, 1846
H: 126, Sulu Sea (USEE), 1 col.—Recent.
Remark: Junior synonym of *Echinopora lamellosa* (Esper, 1795) (see Veron, Pichon, and Wijsman-Best, 1977).
- valida*, *Madrepora* Dana, 1846
H: 272, Fiji (USEE), 1 col.—Recent.
Remark: Species subsequently transferred to *Acropora*.
- valdiviae*, *Caryophyllia* Zibrowius and Gili, 1990
P: 86879, BB-11, 2 coralla; P: 86880, BB-12, 16 coralla (9 in alcohol); P: 86881, BB-13, 9 coralla; P: 86882, BB-14, 2 coralla.—Recent.
- valverdensis*, *Actinacis* Wells, 1933
H: 175158, Painted Caves, 1 col.—L. Cretaceous.
- vancouverensis*, *Siderastrea* Vaughan, 1923
H: I312607, Sooke Farm, 1 col.—Oligocene or Miocene.
- vanderhorsti*, *Acropora* Hoffmeister, 1925
H: 68205, Pago Pago Harbor, 1 col., 1 branch.—Recent.
Remark: Junior synonym of *Acropora grandis* (Brook, 1892).
- vanuatu*, *Flabellum* Wells, 1984
H: 71860, USGS 25715, 1 corallum; P: 71861, USGS 25715, 12 coralla.—Pleistocene.
- variabilis*, *Tethocyathus* Cairns, 1979
H: 46980, Pillsbury-861, 1 corallum; P: 46981, Pillsbury-861, 20 coralla; P: 46982, Pillsbury-929, 16 coralla; P: 46983, Caroline-38, 2 coralla.—Recent.
- variegatus*, *Fungiacyathus (Bathycyathus)* Cairns, 1989
H: 81761, Albatross-5113, 1 corallum; P: 81762, Albatross-5113, 10 coralla; P: 81763, Albatross-5278, 11 coralla; P: 81764, Albatross-5314, 58 coralla; P: 81765, Albatross-5403, 54 coralla, SEM stubs 497–499.—Recent.
- vaughani*, *Acropora* Wells, 1954
H: 44452, sta. 35, 2 branches; P: 44453, sta. 35, many branches.—Recent.
- vaughani*, *Concentrotheca* Cairns, 1991
H: 84802, Johnson-Sea-Link 1937, 1 corallum; P: 84803, Johnson-Sea-Link 1932, 6 coralla, SEM stub 533.—Recent.
- vaughani*, *Cyphastrea* Hoffmeister, 1932
H: 68225, sta. 406, 1 large col.—?Eocene.
- vaughani*, *Diploastrea* Wells, 1933
H: 175128, Hiram Hill Ranch, 1 col.—L. Cretaceous.
- vaughani*, *Flabellum* Cairns, 1984
H: 20721, Albatross-4115, 1 corallum; P: 20717, Albatross-3835, 1 corallum; P: 20799, Albatross-4079, 9 coralla; P: 20713, 20715, and 20720, Albatross-4080, 52 coralla; P: 20716, Albatross-4081, 1 corallum.—Recent.
- vaughani*, *Fungia* Boschma, 1923
PL: 20835 and 20836, Hawaii, 3 coralla.—Recent.
Remarks: Based on Vaughan's (1907a) specimen of *Fungia patella* (Ellis and Solander, 1786) from Hawaii. Lectotype and paralectotypes designated by Hoeksema (1989).
- vaughani*, *Montipora* Hoffmeister, 1925
H: 68309, Pago Pago, 1 col.—Recent.
- vaughani*, *Paracyathus* Gane, 1895
S: 68311, Carter's Landing, 3 coralla.—Miocene.
- vaughani*, *Trochocyathus* Stephenson, 1916
H: 1147655, Brightseat, 1 corallum.—U. Cretaceous.
- vaughanianus*, *Discotrochus* Wells, 1945
H: 68334, sta. S58, 1 corallum.—Eocene.
- venusta*, *Pavonia* Dana, 1846
S: 68389, USEE, 4 frag.—Recent.
Remark: Species subsequently transferred to *Pavona*.
- vernonsensis*, *Archohelia* Vaughan, 1941
S: M547346, USGS 14726A, 5 col.; S: M547347, USGS 14726A, 2 col.—Eocene.
- veroni*, *Bourneotrochus* Wells, 1984
H: 71852, Fraser Id., 1 corallum; P: 71853, Fraser Id., 1 corallum; P: 71854, Lady Musgrave Id., 1 corallum.—Recent.
Remark: Junior synonym of *Bourneotrochus stellulatus* (Cairns, 1984).
- verrilli*, *Montipora* Vaughan, 1907a
S: 20819, Molokai, 1 col.; S: 21628, Oahu, 1 col.—Recent.
- verrilli*, *Psammocora* Vaughan, 1907a
S: 21637, Molokai, 1 col.—Recent.
- verrilliana*, *Alveopora* Dana, 1872
S: 327, Sandwich Ids. (USEE), 1 col.—Recent.
Remarks: Based on Dana's (1846) *Alveopora daedalea* (Forsk.) (Forsk.). Ordinarily this species would have taken the authorship of Verrill (1872), as did twelve other species from Verrill's appendix to Dana (1872) (see Table 1, herein), but, because this species was named in honor of Verrill, it had to be authored by someone else, namely Dana.
- vincentinus*, *Deltocyathus* Dennant, 1906
S: 85706, Kangaroo Id., 5 coralla.—Recent.
Remark: Species subsequently transferred to *Australocyathus* by Cairns and Parker, in press.
- virens*, *Astraea (Fissicella)* Dana, 1846
S: 26, Fiji (USEE), 1 col.—Recent.
Remark: Junior synonym of *Favites abdita* (Ellis and Solander, 1786) (see Veron, Pichon, and Wijsman-Best, 1977).

- virgata*, *Madrepora* Dana, 1846
S: 290, Fiji (USEE), 2 col.—Recent.
Remark: Junior synonym of *Acropora formosa* (Dana, 1846) (see Veron and Wallace, 1984).
- vitiensis*, *Pocillopora* Hoffmeister, 1945
H: 68235, sta. 110A, 1 col.; P: 68239, sta. 110A, 1 branch;
P: 67694, sta. 160, 12 frag.—Neogene.
- walli*, *Astreopora* Wells, 1934
H: 44796, Jamaica, 1 col.—M. Eocene.
- walli*, *Leptoseris* Vaughan in Vaughan and Hoffmeister, 1926
H: M353670, USGS 8299, 1 col.—Miocene.
- washitaensis*, *Heterocoenia* Wells, 1933
H: I75192, Pecos Co., 1 col.—L. Cretaceous.
- wautubbeensis*, *Turbinolia* Vaughan, 1900a
S: M158127, Bienville, 1 corallum; S: M158126, Wautubbee, 1 corallum.—Eocene.
- waylandi*, *Porites* Foster, 1986
H: M325063, USGS 6016, 1 col.; P: M325064, USGS 6016, 2 col.—M. Miocene.
Remark: Replacement name for junior homonym *Porites panamensis* Vaughan, 1919, not *Porites panamensis* Verrill, 1866.
- wellingtoni*, *Rhizopsammia* Wells, 1982
H: 46969, Tagus Cove, 1 col.; P: 46970, Tagus Cove, 2 col.—Recent.
- wellsi*, *Balanophyllia* Cairns, 1977a
H: 45855, *Gerda*-1312, 1 corallum; P: 45856, *Gerda*-1312, 1 corallum; P: 45857, *Gerda*-1125, 1 corallum.—Recent.
- wellsi*, *Brachyseris* Hamilton, 1956
H: I189893, Guyot Seamount, 6 frag.—Cretaceous.
- wellsi*, *Coscinaraea* Veron and Pichon, 1980
H: 44818, Bikini, 1 col.—Recent.
- wellsi*, *Polymyces* Cairns, 1991
H: 84836, *Johnson-Sea-Link* 1916, 1 corallum; P: 84837, *Johnson-Sea-Link* 1916, 5 coralla; P: 84838, *Johnson-Sea-Link* 1921, 2 coralla; P: 84839, *Johnson-Sea-Link* 1935, 1 corallum; P: 77273, *Albatross*-2818, 2 coralla.—Recent.
- wilcoxensis*, *Astrangia* Vaughan, 1900a
H: M158291, Wilcox Co., 1 col.—Eocene.
- williamsonensis*, *Microsolena* Wells, 1944b
H: M547426, Round Rock, 1 col., 1 TS.—U. Cretaceous.
- willoughbiensis*, *Manicina* Vaughan, 1919
H: M325006a, USGS 6881, 1 col.; P: M325006b, USGS 6881, 1 col.—Oligocene.
Remark: Species subsequently transferred to *Colpophyllia*.
- willoughbyi*, *Stylophora* Wells, 1945
H: 68324, sta. S43, 1 col.; P: 68325, sta. S43, 1 col.—Eocene.
- wintoni*, *Stephanocoenia* Wells, 1933
H: I75137, Cragin's Knobs, 1 col.—L. Cretaceous.
- wintoni*, *Trochocyathus* Wells, 1933
H: I75138, Sycamore Creek, 1 corallum.—L. Cretaceous.
- woodjonesi*, *Pocillopora* Vaughan, 1918
S: 38343, Cocos-Keeling Id., 3 frag.—Recent.
- woodsii*, *Cyathoceras* Wells, 1964
H: 68371, Jumpin Pin, 1 corallum; P: 68372, Jumpin Pin, 5 coralla.—Recent.
Remark: Species subsequently transferred to *Crispatotrochus* (see Cairns, 1991).
- wrangelliana*, *Thecosmilia* Russo in Montanaro Gallitelli, Russo, and Ferrari, 1979
H: I316956, sta. M1708, 1 col.; P: I316957, sta. M1708, 7 coralla.—U. Triassic.
- wyckoffi*, *Psammocora* Hoffmeister in Vaughan and Hoffmeister, 1926
H: M353677, USGS 9286, 1 col.—Miocene.
- yborensis*, *Favites* Weisbord, 1973
H: 66162, USGS 4999, 1 col.—L. Miocene.
Remark: Based on *Maeandra tampaensis* Vaughan, 1915 nom. nud.
- zeidleri*, *Paraconotrochus* Cairns and Parker, in press
P: 85677, *Soela*-51, 3 coralla.—Recent.
- zopyros*, *Caryophyllia* Cairns, 1979
P: 46869, *Pillsbury*-890, 1 corallum; P: 46870, *Blake*-273, 1 corallum; P: 46056, DBL 1429, 1 corallum.—Recent.

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