

Check-List of Guam Fishes

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Seale (1900) in his "Report of A Mission to Guam" listed 37 families and 142 species of fishes from Guam. Twenty-five years later, Fowler listed 53 families and 160 species in "Fishes of Guam, Hawaii, Samoa, and Tahiti". Other than the recent works by Schultz, *et al* (1953; 1960; 1966) "Fishes of the Marshall and Marianas Islands", which includes 50 families and 201 species of fishes collected from Guam and Smith's (1964a; 1964b) work with pearl fishes and description of a new goby, little or no attempt has been made to extend the knowledge of the fishes of Guam.

The purpose of the present work is to present an annotated list of fishes known from Guam as of May 31, 1967. This list, comprised of 80 families and 465 species, is based on specimens recently collected in Guam, most of which are now held for reference at the Department of Agriculture. Among the collection are numerous unidentified specimens. These and other specimens collected and identified subsequent to this check-list will be listed in a supplementary list in future issues. However, specimens not in the reference collection but cited in the various publications as Guam collected are included in this work.

Some of the records of off-shore species are based on catch records of the Guam Fishing and Boating Association. A few of the specimens have been deposited at the Bernice P. Bishop Museum, Honolulu, Hawaii, the British Museum (Natural History), London, England, and the Australian Museum, Sidney, Australia.

The length measurements in most cases are expressed in millimeters of the standard length, however, some of the measurements are of the total length (TL) and fork length (FL), and lengths cited from Seale are expressed in inches.

The families are arranged following the scheme used by Schultz, "Fishes of the Marshall and Marianas Islands".

Synonyms are listed only in cases where the cited taxon does not conform with the presently accepted form, in which case, the cited taxon is listed under the presently accepted name. The vernacular name of some of the species is enclosed in brackets.

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FAMILY ORECTOLOBIDAE

(Carpet Sharks)

Ginglymostoma ferrugineum (Lesson)

One specimen, 575 mm. TL., north of Cetti Bay, November 18, 1965.

FAMILY TRIAKIDAE

(Smooth Dogfishes)

Triaenodon obesus (Ruppell)

Two specimens, 944 and 1105 mm., NCS Beach, December 17, 1964.

FAMILY CARCHARHINIDAE

(Gray Sharks)

Carcharhinus menisorrhah (Muller and Henle)

One specimen, 1,100 mm., (snout to notch on base of caudal fin).

Orote Point, February 8, 1967. Only jaws preserved.

Carcharhinus melanopterus (Quoy and Gaimard)

One specimen, 360 mm., to notch. Tartuguan Point, July, 1945. Schultz *et al* (1953: 13-15).

FAMILY ELOPIDAE

(Tarpons)

Megalops cyprinoides (Broussonet) [PULAN]

One specimen, 405 mm., Agana Boat Channel, July, 1966.

One specimen, 150 mm., TL., Apra Harbor, November 22, 1966.

FAMILY CHANIDAE

(Milkfishes)

Chanos chanos Jordan and Everman [AGUA]

One specimen, 80 mm., TL., Togcha, October 23, 1963.

Twelve specimens, 78 to 106 mm., TL., Apra Harbor, November 22, 1966.

FAMILY DUSSUMIERIDAE

(Round Herrings)

Spratelloides delicatulus (Bennett) [ALETSES]

Twenty-four specimens, 30 to 70 mm., Tumon Bay, June 12, 1962.

Twenty-four specimens, 40 to 60 mm., TL., Apra Harbor, June, 1962.

FAMILY ENGRAULIDAE

(Anchovies)

Thrissina baelama (Forsk.) [FAYA]

Twelve specimens, 90 to 120 mm. TL., Merizo, February, 1964.

Eighteen specimens, 25 to 39 mm. TL., Tamuning Bay, March 10, 1966.

Nine specimens, 100 to 130 mm. TL., Merizo, October 15, 1966.

FAMILY SYNODONTIDAE
(LizardFishes)

Saurida gracilis (Quoy and Gaimard)

One specimen, 220 mm. TL., Tumon Bay, March 9, 1965.

One specimen, 244 mm. TL., Ipao Beach, March 10, 1966.

Four specimens, 65 to 220 mm. TL., Cocos Island, September 27, 1966.

Two specimens, 62 and 64 mm., Guam, date unrecorded.

Synodus variegatus (Lacepede)

One specimen, 168 mm. TL., Cocos Island, February 24, 1966.

One specimen, 190 mm. TL., Cocos Island, September 27, 1966.

Synodus dermatogenys (Fowler)

One specimen, 79 mm. TL., Ipao Beach, March 10, 1966.

FAMILY ANGUILLIDAE
(Fresh-Water Eel)

Anguilla marmorata Quoy and Gaimard [HASULE]

One specimen, 240 mm. TL., Fena Reservoir, November, 1962.

One specimen, 66 mm. TL., Fena Reservoir spillaway, April 24, 1963.

One specimen, 540 mm. TL., Fena Reservoir, July, 1963.

FAMILY OPHICHTHIDAE
(Snake Eels)

Myrichthys colubrinus (Boddaert)

One specimen, 770 mm. TL., NCS Beach, January 13, 1963.

Myrichthys maculosus (Cuvier) [HAGMAN-LISADSO]

Two specimens, 210 and 470 mm., Guam, July 29, 1923. Fowler (1925: 5).

Leiuranus semicinctus (Lay and Bennett)

One specimen, 520 mm. TL., Cocos Island, February 24, 1966.

Ten specimens, 62 to 240 mm., Guam, Date unrecorded.

FAMILY ECHELIDAE
(Worm Eels)

Muraenichthys macropterus Bleeker

One specimen, 237 mm., Guam, date unrecorded.

Muraenichthys laticaudata (Ogilby)

Three specimens, 178 to 260 mm., Guam. Schultz *et al* (1953: 77-78).

FAMILY CONGRIDAE
(White Eels)

Conger noordzieki Bleeker [HASULE PALUS]

One specimen, 680 mm. TL., Merizo, August 24, 1966.

FAMILY MORINGUIDAE
(Worm Eels)

Moringua abbreviata (Bleeker)

One specimen, 91 mm., Cocos Island, September 27, 1966.

Moringua macrochir Bleeker

- Six specimens, 144 to 175 mm., Guam. Schultz *et al* (1953: 93-94).
Moringua bicolor Kaup
 One specimen, 248 mm., Guam. Schultz *et al* (1953: 94-95).

FAMILY MURAENIDAE

(Moray Eels)

- Gymnothorax pictus* (Ahl) [TITUGI]
 One specimen, 280 mm. TL., Cocos Island, February 24, 1966.
- Gymnothorax meleagris* (Shaw and Nodder)
 One specimen, 174 mm., Guam. Schultz *et al* (1953: 114-116).
- Gymnothorax buroensis* (Bleeker)
 One specimen, 90 mm., Guam. Schultz *et al* (1953: 118-120).
- Gymnothorax thyrsoideus* (Richardson)
 One specimen, 202 mm. TL., Guam, July 11, 1945. Schultz *et al* (1953: 121-122).
- Gymnothorax richardsoni* (Bleeker)
 One specimen, 135 mm., Tumon Bay, May 27, 1945.
 One specimen, 289 mm., Saupon Point, July 15, 1945.
 Two specimens, 240 and 300 mm. TL., Ylig Bay, July 24, 1945.
 One specimen, 237 mm. TL., Oca Point, August, 1945.
 Note. All specimens of *G. richardsoni* from Schultz *et al* (1953: 122-123).
- Gymnothorax heptaticus* (Ruppell)
 One specimen, 90 mm. TL., Tumon Bay, January 8, 1946. Schultz *et al* (1953: 127-128).
- Gymnothorax flavimarginatus* (Ruppell)
 Seven specimens, 155 to 467 mm., Guam. Schultz *et al* (1953: 130-131).
- Gymnothorax fimbriatus* (Bennett)
 Six specimens, 88 to 373 mm., Guam. Schultz *et al* (1953: 131-132).
- Gymnothorax rupelli* (McClelland)
 One specimen, 251 mm., Guam. Schultz *et al* (1953: 132-133).
- Gymnothorax margaritophorus* Bleeker
 One specimen, 135 mm., Guam. Schultz *et al* (1953: 136-137).
- Gymnothorax undulatus* (Lacepede)
Lycodontis undulata (Lacepede). Nine specimens, 117 to 695 mm., Guam, July 13 and 26, 1923. Fowler (1925: 5).
Gymnothorax Bloch syn. *Lycodontis* McClelland. Schultz *et al* (1953: 108).
- Anarchias allardicei* Jordan and Starks
 Three specimens, 85 to 95 mm., Guam, June-July, 1945. Schultz *et al* (1953: 143-144).
- Uropterygius concolor* Ruppell
 Three specimens, 43 to 143 mm., Guam. Schultz *et al* (1953: 151-152).
 Two specimens, 110 to 114 mm., Guam, July 4, 1923. Fowler (1925: 5).
Muraena tile. Two specimens, about 4 inches, Guam, June 2, 1900. Seale (1901: 62)
U. concolor syn. *M. tile*. Herre (1953: 117).
- Uropterygius micropterus* (Bleeker)
 Forty-eight specimens, 53 to 260 mm., Guam. Schultz *et al* (1953: 155-156).
- Uropterygius marmoratus* (Lacepede)

- One specimen, 123 mm., Guam, July 27, 1923. Fowler (1925: 5).
Echidna nebulosa (Ahl)
 Five specimens, 190 to 318 mm., Guam. Schultz *et al* (1953: 104-105).
Echidna leucotaenia Schultz
 One specimen, 208 mm., Guam. Schultz *et al* (1953: 105-106).

FAMILY CLARIIDAE
 (Fresh-water Catfishes)

- Clarias batrachus* (Linnaeus) [ITOT]
 One specimen, 125 mm. TL., Fena Reservoir, November 7, 1963.

FAMILY BELONIDAE
 (Needlefishes)

- Strongylura gigantea* (Timminck and Schlegel) [PULUS]
 One specimen, 935 mm. Tip of lower jaw broken. Guam, 1963.
 Two specimens, 250 and 280 mm., southern Guam, August, 1964.
 One specimen, 665 mm., Merizo, March 17, 1966.
Belone platyura Bennett
 One specimen, 335 mm, Guam. Schultz *et al* (1953: 160).
Rhaphiobelone robusta Schultz
 Paratype. U. S. N. M. No. 139774, one specimen, 170 mm., November 26,
 1945. Schultz *et al.* (1953: 164-165).
Tylosurus annulatus Cuvier and Valenciennes
 One specimen, 14 inches, Guam, July 14, 1900. Seale (1901: 64).

FAMILY HEMIRAMPHIDAE
 (Halfbeaks)

- Hyporhamphus laticeps* (Gunther) [HANKUT]
 One specimen, 284 mm., Cocos Island, February 24, 1966.
 Two specimens, 214 and 215 mm. TL., Cocos Island channel, September 27,
 1966.
 Two specimens, 205 and 235 mm., Cocos Island channel, September 27, 1966.
Hyporhamphus dussumieri (Valenciennes)
 Three specimens, 85 to 117 mm., Guam. Woods and Schultz *In* Schultz *et al*
 (1953: 172-174).
Hemiramphus marginatus Forskal [HANKUT]
 Seven specimens, 125 to 165 mm., Nimitz Beach, December 3, 1964.
Hemiramphus erythrorinchus Le Sueur
 Thirteen specimens, 60 to 290 mm., July 8, 1923. Fowler (1925: 6).
Hemiramphus limbatus Cuvier and Valenciennes
 Five specimens, 7 to 10 inches, Guam, June 14, 1900. Seale (1901: 64).
Zenarchopterus dispar Valenciennes [HANKUT]
 Three specimens, 135 to 160 mm. TL., Talofofu River, April, 1966.

FAMILY EXOCOETIDAE
 (Flying Fishes)

- Cypselurus spilopterus* (Bleeker) [GAAGA]

One specimen, 280 mm., Merizo, December 23, 1966.

Cypselurus antoncichi Woods and Schultz [GAAGA]

One specimen, 255 mm., Merizo, December 22, 1966.

One specimen, 253 mm., Facpi Point, February 15, 1967.

Cypselurus unicolor (Valenciennes)

Two specimens, 173 and 182 mm., between Umatac and Merizo, May 17, 1967.

Prognichthys albimaculatus (Fowler)

Type specimen. U. S. N. M. No. 65810, 218 mm., Guam, *Albatross* 1899-1900.

Woods and Schultz *In* Schultz *et al* (1953: 189-190).

FAMILY POLYMIXIIDAE

Polymixia japonica Gunther

Two specimens, 260 and 275 mm., Merizo, March 29, 1967.

FAMILY HOLOCENTRIDAE

(Squirrelfishes)

Holocentrus tiere Cuvier and Valenciennes [SESIOK]

One specimen, 200 mm. TL., Merizo, June 17, 1965.

Holocentrus spinifer (Forsk.) [SESIOK]

One specimen, 188 mm. FAA area, November 9, 1964.

One specimen, 230 mm., Guam, Date unrecorded.

Two specimens, 95 and 100 mm. TL., Merizo, May 29, 1965.

Holocentrus sammara (Forsk.) [CHALAK]

Two specimens, 49 and 90 mm. TL., Ipao Beach, May, 1963.

One specimen, 260 mm., southern Guam, August, 1964.

Holocentrus tieroides Bleeker [CHALAK]

One specimen, 105 mm. TL., southern Guam, August, 1964.

One specimen, 140 mm., Guam, November 18, 1965.

Holocentrus microstomus Gunther [CHALAK]

Two specimens, 100 and 110 mm., Agat, June 22, 1962.

Holocentrus praslin (Lacepede) [CHALAK]

Two specimens, 110 and 130 mm., Ritidian, August, 1963.

Holocentrus laevis Gunther

Three specimens, 125 to 148 mm., Guam. Woods *In* Schultz *et al* (1953: 214-215).

Holocentrus lacteoguttatus Cuvier

One hundred twenty-four specimens, 42 to 109 mm., Guam. Woods *In* Schultz *et al* (1953: 216-217).

Holocentrus diadema Lacepede

Two specimens, 92 and 102 mm., Guam, July 16, 1923. Fowler (1925: 6).

Holocentrus opercularis Valenciennes

Holocentrus operculare Cuvier and Valenciennes. One specimen, 2 inches, Guam, July 23, 1900. Seale (1901: 68).

Myripristis multiradiatus Gunther [SAGSAG]

One specimen, 110 mm., Orote Point, December 19, 1966.

One specimen, 104 mm., Piti, March 10, 1967.

Myripristis murdjan (Forsk.) [SAGSAG]

Four specimens, 100 to 110 mm., Apra Harbor, November 17, 1966.

Myripristis adustus Bleeker [SAGSAG]

One specimen, 145 mm., Nimitz Beach, May 17, 1965.

One specimen, 213 mm., Apra Harbor, November 17, 1966.

Myripristis microphthalmus Bleeker [SAGSAG]

One specimen, 140 mm., Merizo, January 3, 1964.

Myripristis berndti Jordan and Evermann [SAGSAG]

One specimen, 145 mm., FAA area, September 11, 1964.

One specimen, 157 mm., Merizo, September 30, 1964.

Myripristis argyromus Jordan and Evermann

Two specimens, 55 and 59 mm., Guam. Woods *In* Schultz *et al* (1953: 205-206).

FAMILY BREGMACEROTIDAE

Bergmaceros mccllellandi Thompson

One specimen, 61 mm. From stomach of *Rooseveltia brighami*, Facpi point, December 30, 1966.

FAMILY AULOSTOMIDAE

(Trumpet Fish)

Aulostomus chinensis (Linnaeus) [BADYAG]

One specimen, 204 mm., Nimitz Beach, May 17, 1965.

FAMILY FISTULARIIDAE

(Cornet Fish)

Fistularia petimba Lacepede

Nine specimens, 150 to 205 mm., Guam, data unrecorded.

One specimen, 422 mm., Guam, June, 1963.

One specimen, 756 mm., Cocos Island, February 24, 1966.

One specimen, 795 mm., Nimitz Beach, September 8, 1965.

FAMILY SYNGNATHIDAE

(Pipefishes)

Micrognathus brevirostris (Ruppell)

One specimen, 38 mm., Guam, July 2, 1963. Herald *In* Schultz *et al* (1953: 260).

Corythoichthys flavofasciatus conspicillatus (Jenyns)

Two specimens, 75 and 76 mm., Guam. Herald *In* Schultz *et al* (1953: 273-275).

Corythoichthys intestinalis waitei (Jordan and Seale)

Four specimens, 85 to 114 mm., Merizo, November 10, 1964.

Corythoichthys flavofasciatus Ruppell

Five specimens, 125 to 135 mm., Guam, July 18, 1923 and April, 1924. Fowler (1925: 7).

Micrognathus mataafae (Jordan and Seale)

Corythoichthys mataafae (Jordan and Seale). Three specimens, 40 to 55 mm.,

Guam, July 2, 1923. Fowler (1925: 7).

M. mataafae syn. *C. mataafae*. Herald In Schultz *et al* (1953: 262-263).

Syngnathoides biaculeatus (Bloch)

Gastrotokeus biaculeatus (Bloch). Four specimens, 192 to 232 mm., July 16, 1923, and April, 1924. Fowler (1925: 7).

S. biaculeatus (Bloch). Herre (1953: 213).

FAMILY SPHYRAENIDAE

(Barracudas)

Sphyraena barracuda (Walbaum) [ALU]

One specimen, 850 mm., TL., Facpi Point, December 2, 1966.

Sphyraena forsteri Cuvier and Valenciennes [ALU]

One specimen, 358 mm., Orote Point, December 9, 1966.

Sphyraena helleri Jenkins [ALU]

One specimen, 320 mm., Orote Point, December 9, 1966.

Sphyraena chinensis Lacepede [ALU]

Sphyraena obtusata Cuvier and Valenciennes. Three specimens, 3 to 3.5 inches, Guam, July, 1900. Seale (1901: 66-67).

S. chinensis syn. *S. obtusata*. Schultz *et al* (1953: 283).

FAMILY ATHERINIDAE

(Silversides)

Pranesus insularum insularum (Jordan and Evermann) [GINYO]

Eleven specimens, 35 to 57 mm., Apra Harbor, June 30, 1965.

Three specimens, 61 to 80 mm., East Agana, July 31, 1966.

Two specimens, 75 and 90 mm. TL., Cocos Island, September 27, 1966.

Two specimens, 107 and 117 mm. TL., Orote Point, December 12, 1966.

Pranesus pinguis (Lacepede)

Six specimens, 31 to 43 mm., Albatross Guam, 1900. Schultz *et al* (1953: 309-310).

One specimen, 43 mm., Bija Point, Guam, 1945. Schultz *et al* (1953: 309-310).

Atherion elymus freyi Schultz

Holotype. U. S. N. M. No. 134083, 29.3 mm., Oca Point, Guam, November 24, 1945. Paratypes. U. S. N. M. Nos. 124100, 124250, 124263, 124128, 124198, 123954, 139866, 139864, and 139865. Schultz *et al* (1953: 292-294).

Allanetta ovalaua (Herre)

One specimen, 56 mm., Albatross Guam. Schultz *et al* (1953: 299-300).

FAMILY MUGILIDAE

(Mulletts)

Chelon vaiigiensis (Quoy and Gaimard) [LAIGUAN]

One specimen, 126 mm., Cocos Island, March 17, 1964.

Four specimens, 218 to 292 mm. TL., Paseo De Susana, February 15, 1966.

Chelon engeli (Bleeker)

One hundred specimens, 23 to 103 mm., Guam. Schultz *et al* (1953: 319-320).

Chelon axillaris (Bleeker)

Mugil axillaris Bleeker. One specimen, 3 inches, Guam, July 12, 1900. Seale (1901: 66).

Note. *M. axillaris* syn. *Liza seheli* (Forsk.) *Mugil seheli* Cuvier and Valenciennes. Herre (1953: 233).

Valamugil seheli (Forsk.) syn. *M. seheli*. Smith (1953: 323).

Schultz (1953:311-312) concludes *Valamugil* synonymous with *Chelon*.

Neomyxus chaptalii (Eydoux and Souleyet)

Two specimens. 148 and 159 mm., southern Guam, August, 1964.

Crenimugil crenilabis (Forsk.)

One specimen, 160 mm., Cocos Island, March 17, 1964.

Three specimens, 100 to 155 mm. TL., southern Guam, August, 1964.

Two specimens, 142 and 159 mm. TL., Tarague, October 14, 1964.

Mugil cephalus Linnaeus

One specimen, 126 mm., Cocos Island, March 17, 1964.

Mugil dussumieri Valenciennes

Six specimens, 66 to 190 mm., Guam, July 11, 1923. Fowler (1925: 7).

Mugil planiceps Cuvier and Valenciennes

Three specimens, 3-6 inches, Guam, May 26, 1900. Seale (1901: 66).

FAMILY POLYNEMIDAE

(Threadfins)

Polydactylus sexfilis (Cuvier and Valenciennes) [BOCA DULCE]

One specimen, 110 mm. TL., Umatac, June 13, 1966.

FAMILY KUHLIDAE

Kuhlia rupestris (Lacepede) [UMATAN]

One specimen, 110 mm., Lost River, Naval Magazine, date unrecorded.

One specimen, 335 mm., TL., Fena Reservoir below spillway, August 6, 1964.

One specimen, 220 mm., Fena Reservoir below spillway, November 27, 1965.

Kuhlia taeniura (Cuvier and Valenciennes) [ATINGYET]

Two specimens, 165 to 170 mm., Cocos Island, April 3, 1965.

FAMILY SERRANIDAE

(Groupers)

Grammistes sexlineatus (Thunberg)

One specimen, 132 mm. TL., Guam, date unrecorded.

One specimen, 120 mm., between FAA area and Ritidian, May 31, 1967.

Epinephelus tauvina (Forsk.) [GADAO]

One specimen, 185 mm. TL., Agana, January 26, 1965.

Epinephelus merra Bloch [GADAO]

Two specimens, 156 and 193 mm. TL., Guam, date unrecorded.

Two specimens, 130 and 180 mm. TL., Tumon Bay, December 6, 1962.

Three specimens, 178 to 288 mm. TL., Merizo, April 2, 1965.

Epinephelus emoryi Schultz [GADAO]

One specimen, 225 mm. TL., Guam, date unrecorded.

One specimen, 220 mm. TL., Orote Point, December 9, 1966.

- Epinephelus fasciatus* (Forsk.) [GADAO]
Two specimens, 170 and 190 mm. TL., Umatac, March, 1963.
- Epinephelus medurensis* (Gunther) [GADAO]
One specimen, 375 mm. TL., Ritidian Point, April 17, 1966.
One specimen, 420 mm. TL., Facpi Point, December 2, 1966.
- Epinephelus elongatus* Schultz
One specimen, 375 mm. TL., Cocos Island reef, October 26, 1965.
- Epinephelus maculatus* (Bloch)
One specimen, 155 mm., Guam. Fowler (1925:9).
- Epinephelus daemetii* Gunther
One specimen, 6.5 inches, Guam, July 12, 1900. Seale (1901:76-77).
Note: *E. daemetii* probably a misspelling by Seale of *E. dameli* (Gunther).
Weber and de Beaufort (1931:44-45) includes Guam in the distribution of this species.
- Cephalopholis obtusaurus* Evermann and Seale [GADAO]
Two specimens, 160 and 165 mm. TL., Orote Point, December 10, 1966.
- Cephalopholis urodelus* (Bloch and Schneider) [GADAO]
Two specimens, 180 and 222 mm. TL., Tarague, August 3, 1964.
- Cephalopholis argus* (Bloch and Schneider) [GADAO]
One specimen, 290 mm., Merizo lagoon, March 31, 1967.
- Cephalopholis igarashiensis* Katayama
One specimen, 380 mm. TL., Tarague, June 16, 1966.
Two specimens, 232 and 247 mm., between Merizo and Umatac, April 28, 1967.
- Cephalopholis coatesi* Whitely
One specimen, 241 mm., Orote Point, December 9, 1966.
- Cephalopholis aurantius* Cuvier and Valenciennes
One specimen, 205 mm., Facpi Point, December 29, 1966.
- Caesioperca thompsoni* Fowler
One specimen, 113 mm. TL., reef off Cocos Island, December 2, 1965.
- Cromileptes altivelis* (Cuvier and Valenciennes)
One specimen, 440 mm. TL., Guam, February, 1966.
- Variola louti* (Forsk.)
One specimen, 141 mm., Guam, date unrecorded.
One specimen, 376 mm., Merizo, May 5, 1965.
- Plectropomus leopardus* (Lacepede)
One specimen, 564 mm., Ritidian Point, September 17, 1963.
One specimen, 645 mm., Orote Point, March 16, 1967.
- Plectropomus truncatus* Fowler
One specimen, 250 mm., Merizo lagoon, March 31, 1967.
- Scalantarus chrysostictus* Smith
One specimen, 130 mm., between Merizo and Umatac, April 7, 1967.
- Saloptia powelli* Smith
One specimen, 280 mm., Facpi Point, December 29, 1966.

FAMILY PSEUDOCHROMIDAE

Plesiops corallicola Bleeker

One specimen, 132 mm. TL., Merizo, February 4, 1965.

One specimen, 118 mm., Ipao Beach, February 10, 1966.

One specimen, 160 mm. TL., Ipao Beach, July 6, 1966.

Plesiops coeruleolineatus Ruppell

Twenty-one specimens, 9 to 47 mm., Guam. Schultz *et al* (1953: 400).

Pseudochromis tapeinosoma Bleeker

Fifteen specimens, 25 to 42 mm., Guam. Schultz *et al* (1953: 390-392).

FAMILY APOGONIDAE

(Cardinal Fishes)

Apogon nubilus Garman [LANSI]

One specimen, 67 mm., Togcha, October 27, 1964.

Apogon novae-guineae Valenciennes [LANSI]

One specimen, 60 mm., Togcha, October 27, 1964.

Apogon novemfasciatus Cuvier and Valenciennes [LANSI]

Three specimens, 48 to 59 mm., Agat, May 28, 1965.

Apogon exostigma (Jordan and Starks) [LANSI]

One specimen, 68 mm., Nimitz Beach, May 17, 1965.

Apogon mydrus (Jordan and Starks) [LANSI]

One specimen, 44 mm. TL., Cocos Island channel, September 27, 1966.

Apogon robustus (Smith and Radcliffe) [LANSI]

Two specimens, 58 and 65 mm. TL., Cocos Island channel, September 27, 1966.

Apogon lateralis Valenciennes

Three specimens, 39 to 41 mm., Guam, June 14, 1945. Lachner *In* Schultz *et al* (1953: 446).

Three specimens, 43 to 45 mm., Guam, July 16, 1945. Lachner *In* Schultz *et al* (1953: 446).

Apogon erythrinus Snyder

One specimen, 30 mm., Guam. Lachner *In* Schultz *et al* (1953: 446-447).

Apogon leptacanthus Bleeker

One specimen, 30 mm., Merizo, August 28, 1945. Lachner *In* Schultz *et al* (1953: 448-449).

Apogon snyderi Jordan and Everman

Four specimens, 45 to 60 mm., Guam. Lachner *In* Schultz *et al* (1953: 453-455).

Apogon nigrofasciatus Schultz

Six specimens, 38 to 49 mm., Tumon Bay, January 8, 1946. Lachner *In* Schultz *et al* (1953: 466-470).

One specimen, 52 mm., Guam, November 26, 1945. Lachner *In* Schultz *et al* (1953: 466-470).

Apogon ocellatus Weber

One specimen, 16 mm., Tumon Bay, July 10, 1945. Lachner *In* Schultz *et al* (1953: 471-472).

One specimen, 29 mm., tidal pool near mouth of Ylig River, December 23, 1945. Lachner *In* Schultz *et al* (1953: 471-472).

Seven specimens, 21 to 29 mm., Guam, November 24, 25, 26, 1945. Lachner
In Schultz et al (1953: 471-472).

Apogon isostigma (Jordan and Evermann)

One specimen, 48 mm., Guam. Lachner *In Schultz et al* (1953: 472-473).

Apogon variegatus Valenciennes

Twelve specimens, 15 to 29 mm., Guam. Lachner *In Schultz et al* (1953: 475-476).

Apogon savayensis Gunther

Seven specimens, 2 to 4.5 inches, Guam, June 14, 1900. Seale (1901: 76).

Apogon auritus Cuvier and Valenciennes

One specimen, 2.25 inches, Guam, July 12, 1900. Seale (1901: 76).

Cheilodipterus macrodon (Lacepede) [LANSI]

One specimen, 143 mm., Agat, February 3, 1965.

FAMILY PRIACANTHIDAE

(Big Eyes)

Priacanthus hamrur (Forsk.) [MAMAGAS]

Two specimens, 190 and 200 mm. TL., Apra Harbor, December 28, 1966.

Priacanthus cruentatus (Lacepede) [MAMAGAS]

One specimen, 114 mm., Orote Point, March 8, 1967.

FAMILY CORYPHAENIDAE

(Dolphins)

Coryphaena hippurus Linnaeus

One specimen, 480 mm., between Orote and Ritidian Point, March 8, 1966.

FAMILY BRAMIDAE

Eumegistus illustris Jordan and Evermann

One specimen, 777 mm. TL., Merizo, January 6, 1967.

FAMILY CARANGIDAE

(Pompano or Jack Crevally)

Several vernacular names are applied to the carangids primarily to distinguish sizes rather than species. EE, 3 to 4 inches in length; TARAKITIYOS, 6 to 16 inches in length; TARAKITO, 18 inches or larger; MAMULAN, larger than 50 pounds.

Gnathanodon speciosus (Forsk.)

One specimen, 118 mm., Merizo, October 17, 1965.

Scomberoides sancti-petri (Cuvier) [HAGI]

Three specimens, 161 to 173 mm., Apra Harbor, November 17, 1966.

Caranx sexfasciatus Quoy and Gaimard

One specimen, 382 mm., Orote Point, December 9, 1966.

Caranx melampygus Cuvier

One specimen, 306 mm., Orote Point, December 9, 1966.

Caranx ignobilis (Forsk.)

Two specimens, 240 to 242 mm. TL., Apra Harbor, November 17, 1966.

Caranx lugubris Poey

- One specimen, 335 mm., Galvez Banks, June 13, 1963.
 One specimen, 510 mm., Tamuning, July, 1965.
- Alectis ciliaris* Jordan and Evermann
 One specimen, head only, Ritidian Point, January 9, 1965.
- Trachurops crumenophthalmus* Jordan and Evermann [ATULAI]
 Four specimens, 204 to 206 mm., Facpi Point, February 15, 1967.
- Carangoides ferdau jordani* Nichols
 One specimen, 271 mm., Galvez Banks, June 13, 1963.
- Carangoides malabaricus* (Bloch and Schneider)
 Two specimens, 264 and 275 mm., Merizo, April 21, 1967.
- Elagatis bipinnulatus* (Quoy and Gaimard)
 One specimen, 6 pounds, Ritidian, December 10, 1966. Guam Fishing and Boating Association record.
 One specimen, 4 pounds, Ritidian, March 18, 1967. Guam Fishing and Boating Association record.
- Trachinotus bailloni* (Lacepede)
 One specimen, 23.3 mm., Tumon Bay, June 27, 1945. Woods *In Schultz et al* (1953: 509-510).
 One specimen, 22.5 mm., Agfayan Point, Guam, July 7, 1945. Schultz *et al* (1966: 163-164).
- Trachinotus blochii* (Lacepede)
 Three specimens, 34 to 36 mm., Bijia Point, Guam, June 22, 1945. Schultz *et al* (1966: 163-164).

FAMILY LUTJANIDAE

(Snappers)

- Gnathodentex aureolineatus* (Lacepede) [SALAGAI]
 One specimen, 148 mm., FAA, September 11, 1964.
 One specimen, 112 mm., Cocos Island reef, February 21, 1967.
- Lethrinus reticulatus* Cuvier and Valenciennes [MAFUTE]
 One specimen, 186 mm. TL., Guam, date unrecorded.
 One specimen, 209 mm. TL., Merizo, January 3, 1964.
- Lethrinus ornatus* Cuvier and Valenciennes
 One specimen, 138 mm. TL., Acho area, November 23, 1964.
- Lethrinus miniatus* (Forster) Bloch and Schneider
 One specimen, 160 mm. TL., Nimitz Beach, September 8, 1965.
- Lethrinus rhodopterus* Bleeker
 Twelve specimens, 29 to 292 mm., Guam. Schultz *et al* (1953: 554).
Lutianus bonhamensis Gunther [MAFUTI]. Two specimens, 8-10 inches, Guam, June 14, 1900. Seale (1901: 79).
L. rhodopterus syn. *Lethrinus bonhamensis* Gunther, Herre (1953: 441-442).
- Lethrinus nebulosus* (Forsk.)
 Forty-two specimens, 72 to 172 mm., Guam. Schultz *et al* (1953: 554-556).
- Lutjanus vaigiensis* (Quoy and Gaimard) [BUA]
 One specimen, 146 mm. TL., Agat, June 22, 1962.
 One specimen, 135 mm. TL., Nimitz Beach, September 8, 1965.
- Lutjanus gibbus* (Forsk.) [FAFAET]

- One specimen, 247 mm., Finegayan, November 13, 1963.
 One specimen, 270 mm., Merizo, September 9, 1964.
 One specimen, 287 mm., Orote Point, December 16, 1966.
- Lutjanus bohar* (Forsk.) [TAGAFI]
 One specimen, 550 mm., Uruno Point, November 13, 1963.
- Lutjanus kasmira* (Forsk.) [FUNAI]
 One specimen, 92 mm. TL., Nimitz Beach, September 8, 1965.
- Lutjanus monostigmus* (Cuvier and Valenciennes) [KAKAKA]
 One specimen, 185 mm. TL., north of Cetti Bay, November 18, 1965.
- Lutjanus argentimaculatus* (Forsk.) [TAGAFI SADO]
 Two specimens, 143 and 156 mm., Pago River, March 7, 1966.
- Lutjanus (Lutjanus) fulvus* (Bleeker) [KAKAKA]
 Three specimens, 6-8 inches, Guam, June, 1900. Seale (1901:78).
- Lutjanus (Lutjanus) lineolatus* (Ruppell)
 Twenty-seven specimens, 1 inch, Guam, June 1, 1900. Seale (1901:78-79).
- Pristipomoides sieboldii* (Bleeker)
 One specimen, 325 mm., Ritidian Point, April 17, 1966.
- Pristipomoides amoenus* Snyder
 One specimen, 275 mm., Ritidian Point, January 5, 1965.
- Pristipomoides microlepis* (Bleeker)
 One specimen, 445 mm., Orote Point, December 2, 1966.
- Pristipomoides auricilla* (Jordan, Evermann, and Tanaka)
 Three specimens, 250 to 265 mm., South of Cocos Island reef, November 30, 1966. All three specimens deposited at B. P. Bishop Museum.
- Macolor niger* (Forsk.)
 One specimen, 267 mm., Merizo, September 30, 1964.
 One specimen, 226 mm., Merizo, May 5, 1965.
 One specimen, 228 mm. TL., Cocos Island, December 25, 1965.
- Etelis marshi* (Jenkins)
 One specimen, 375 mm. TL., Ritidian Point, July 31, 1966.
- Etelis carbunculus* Cuvier
 Four specimens, 755 to 920 mm. FL., Orote, December 30, 1966.
 Six specimens, 635 to 860 mm. FL., Orote, January 17, 18, 19, 1967.
- Rooseveltia brighami* (Seale)
 One specimen, 327 mm., Guam, February, 1964.
- Caesio caerulaureus* Lacepede [BONITA]
 One specimen, 205 mm., Merizo, February, 1965.
- Aphareus rutilans* Cuvier and Valenciennes
 One specimen, 790., Umatac, date unrecorded.
 One specimen, 264 mm., Orote Point, December 16, 1966.
- Aphareus furcatus* (Lacepede)
 One specimen, 264 mm. TL., reef off Agat, March 11, 1966.
- Aprion virescens* Cuvier and Valenciennes
 Head only, Guam, date unrecorded.
- Monotaxis grandoculis* (Forsk.) [MATANHAGON]
 One specimen, 93 mm. TL., Cocos Island, September 27, 1966.
- Scolopsis cancellatus* (Cuvier and Valenciennes) [SIHIG]

One specimen, 180 mm. TL., Tumon Bay, June 12, 1962.

Two specimens, 108 and 152 mm. TL., southern Guam, August, 1964.

One specimen, 98 mm. TL., Cocos Island, September 27, 1966.

Gaterin diagrammus Linnaeus [LAGU]

One specimen, 180 mm. TL., Agat, February 23, 1965.

Plectorhinchus cuvieri (Bennett)

One specimen, 310 mm. TL., Guam, date unrecorded.

Plectorhinchus nigrus (Cuvier and Valenciennes)

Three specimens, 42 to 56 mm., Guam, Schultz *et al* (1953: 534-535).

FAMILY LEIOGNATHIDAE

(Soapys)

Gerres oblongus Cuvier and Valenciennes [GUAGUAS]

One specimen, 115 mm. TL., Nimitz Beach. October 27, 1965.

Gerres argyreus Cuvier and Valenciennes [GUAGUAS]

Gerres argyreus Cuvier and Valenciennes. One specimen, 15 inches, Guam, July 12, 1900. Seale (1901: 80).

Gerres gigas Gunther [GUAGUAS]

Three specimens, 216 to 232 mm., Guam, July 13, 1923. Fowler (1925: 10).

Leiognathus equulus (Forsk.) [CAJAO]

One specimen, 110 mm. TL., Apra Harbor, August 10, 1966.

Gazza achlamys Jordan and Evermann [CAJAO]

Six specimens, 117 to 138 mm. TL., Apra Harbor, November 17, 1966.

FAMILY PEMPHERIDAE

Pempherus oualensis Cuvier and Valenciennes

One specimen, 162 mm. TL., Agat, June 22, 1962.

Six specimens, 86 to 224 mm., Agat, February 3, 1965.

FAMILY KYPHOSIDAE

(Rudder Fishes)

Kyphosus cinerascens (Forsk.) [GUILI]

One specimen, 93 mm., Merizo, June 7, 1963.

One specimen, 240 mm., Merizo, September 30, 1964.

Kyphosus vaigiensis (Quoy and Gaimard) [GUILI PUENGE]

One specimen, 190 mm., Guam, 1945. Schultz *et al* (1953: 565-566).

FAMILY CHAETODONTIDAE

(Butterfly Fishes)

The vernacular name ABABANG is commonly used for most of the butterfly fishes.

Megaprotodon strigangulus (Gmelin)

One specimen, 73 mm., Ipao Beach, March 15, 1966.

Chaetodon falcula Bloch

- One specimen, 99 mm., reef off Cocos Island, December 2, 1966.
- Chaetodon punctato-fasciatus* Cuvier
 One specimen, 60 mm., Merizo, May, 1965.
 One specimen, 70 mm., Merizo, August 12, 1965.
 Four specimens, 74 to 79 mm., Merizo, April 13, 1967.
- Chaetodon trifasciatus* Mungo Park
 One specimen, 101 mm., Merizo, January 3, 1964.
 One specimen, 95 mm., Merizo, May 5, 1965.
 One specimen, 65 mm., Merizo, May 29, 1965.
- Chaetodon auriga* Forskal
 One specimen, 144 mm., Merizo, January 24, 1965.
 Three specimens, 100 to 120 mm., Merizo, April 29, 1965.
- Chaetodon unimaculatus* Bloch
 Two specimens, 40 mm., Merizo, June 6, 1963.
 One specimen, 76 mm., Merizo, August 12, 1965.
- Chaetodon mertensii* Cuvier
 One specimen, 60 mm. TL., Merizo, June 6, 1963.
 Two specimens, 86 and 92 mm., Merizo, April 13, 1967.
- Chaetodon pelewensis* Kner
 One specimen, 43 mm. TL., Merizo, June 6, 1963.
- Chaetodon citrinellus* Cuvier
 Two specimens, 60 and 75 mm., Merizo, June, 1963.
 One specimen, 70 mm., southern Guam, August, 1964.
- Chaetodon ornatissimus* Cuvier and Valenciennes
 One specimen, 135 mm., Merizo, May 5, 1965.
 One specimen, 118 mm., Piti, March 8, 1967.
- Chaetodon lunula* (Lacepede)
 One specimen, 82 mm., Acho, November 25, 1964.
- Chaetodon quadrimaculatus* Gray
 One specimen, 120 mm., Guam, date unrecorded.
- Chaetodon reticulatus* Cuvier
 One specimen, 108 mm., off FAA Housing, September 11, 1964.
 One specimen, 112 mm., Merizo, August 12, 1965.
- Chaetodon melannotus* Schneider
 One specimen, 108 mm., Merizo, August 12, 1965.
- Chaetodon ephippium* Cuvier
 Three specimens, 75 to 106 mm., southern Guam, August, 1964.
- Chaetodon lineolatus* Cuvier
 One specimen, 204 mm., Merizo, July 17, 1965.
- Chaetodon bennetti* Cuvier
 One specimen, 129 mm., Piti, March 10, 1967.
- Chaetodon vagabundus* Linnaeus
 One specimen, 58 mm., Guam, 1945. Woods *In* Schultz *et al* (1953: 587-588).
- Heniochus permutatus* Cuvier
 One specimen, 68 mm., Ipao Beach, March 15, 1966.
 One specimen, 77 mm., Piti, March 8, 1967.
- Heniochus varius* (Cuvier)

- One specimen, 130 mm., Merizo, September 30, 1964.
Heniochus singularius Smith and Radcliffe
 One specimen, 237 mm., Cocos Island, March 30, 1966.
Heniochus monoceros Cuvier
 One specimen, 140 mm., Merizo lagoon, March 31, 1967.
Centropyge flavissimus (Cuvier)
 One specimen, 78 mm., Merizo, September 30, 1964.
Forcipiger longirostris (Broussonet)
 One specimen, 126 mm., NCS Beach, December 3, 1963.
Holacanthus trimaculatus Cuvier
 One specimen, 138 mm., Merizo, May 5, 1965.
Holacanthus cyanotis Gunther
 Two specimens, 5 inches, Guam, June 14, 1900. Seale (1901: 103).
Pygoplites diacanthus (Boddaert)
 One specimen, 127 mm., Merizo, September 30, 1964.
 One specimen, 190 mm., Merizo-Umatat area, April 7, 1965.
Pomacanthus imperator (Bloch)
 One specimen, 10 mm. TL., Tumon Bay, December 29, 1964.
 One specimen, 62 mm. TL., Merizo, May 29, 1965.
 One specimen, 175 mm., Merizo, 1965.
 One specimen, 305 mm. TL., Merizo, September, 1965.


 FAMILY PLATACIDAE

(Batfishes)

Platax orbicularis (Forsk.)

One specimen, 28 mm., Piti, March 31, 1967.

FAMILY ZANCLIDAE

(Moorish Idols)

Zanclus canescens (Linnaeus) [ABABANG GUPALAO]

One specimen, 70 mm., Agana boat channel, July 16, 1964.

Zanclus cornutus (Linnaeus) [ABABANG GUPALAO]

Three specimens, 75 to 103 mm., Piti, March 31, 1967.

FAMILY ACANTHURIDAE

(Surgeonfishes)

Acanthurus glaucopareius Cuvier [HUGUPAU]

One specimen, 97 mm., Tumon Bay, December 6, 1962.

One specimen, 142 mm., Umatac, March 26, 1963.

Acanthurus olivaceus Bloch and Schneider [HUGUPAU]

One specimen, 168 mm., Merizo, May 8, 1965.

Acanthurus triostegus triostegus (Linnaeus) [KICHO]

One specimen, 95 mm., Tarague, October 14, 1964.

Acanthurus nigrofuscus Forskal [HUGUPAU]

Two specimens, 45 and 55 mm., Merizo, June 7, 1963.

One specimen, 86 mm., Ritidian, August, 1963.

Acanthurus lineatus (Linnaeus) [HIJUC]

- Three specimens, 82 to 95 mm., NCS Beach, February 24, 1967.
Acanthurus gahhm (Forsk.) [HUGUPAU]
 Two specimens, 153 and 165 mm., Merizo lagoon, March 31, 1967.
Acanthurus guttatus Bloch and Schneider [HAMOKTAN]
 One specimen, 33 mm., Guam. Schultz and Woods *In Schultz et al* (1953: 631-632).
Hepatus guttatus (Schneider). Three specimens, 98 to 158 mm., Guam, Fowler (1925: 13).
A. guttatus syn. *H. guttatus*. Herre (1953: 536).
Acanthurus nigroris Cuvier and Valenciennes
Acanthurus elongatus (Lacepede). One specimen, 62 mm., Guam. Schultz and Woods *In Schultz et al* (1953: 634-636).
 Note: Randall (1956: 187-188) places *A. elongatus* of Schultz and Woods in synonym with *A. nigroris*. Randall (1956: 160) also discusses the validity of *A. elongatus* and concludes that *A. elongatus* be considered a *nomen inquirendum*.
Acanthurus xanthopterus Cuvier and Valenciennes
Acanthurus fuliginosus Lesson. Twelve specimens, 26 to 341 mm., Guam. Schultz and Woods *In Schultz et al* (1953: 637-639).
Teuthis mata Cuvier and Valenciennes. Five specimens, 2-7 inches, Agana, Guam, June 9, 1900. Seale (1901: 107-108).
 Note: Randall (1956: 216) place *A. fuliginosus* of Schultz and Woods and *T. mata* of Seale in synonym with *A. xanthopterus*.
Acanthurus leucopareius (Jenkins)
Hepatus leucopareius (Jenkins) [GUAGNAS]. Four specimens, 31 to 33 mm., Guam, July 8 and 13, 1925. Fowler (1925: 12).
 Note: Randall (1956: 187) found two specimens from Guam recorded as *H. leucopareius* by Fowler, not to be of that species.
Naso lituratus Bloch and Schneider [HANGUN]
 One specimen, 98 mm., Agat, December 6, 1962.
 One specimen, 203 mm., Tarague, August 2, 1964.
 One specimen, 218 mm., Merizo, September 30, 1964.
 One specimen, 182 mm., Merizo, May 5, 1965.
 One specimen, 380 mm., Apra Harbor, November 17, 1966.
Naso unicornis (Forsk.) [TATAGA]
 One specimen, 343 mm., Apra Harbor, November 17, 1966.
Naso hexacanthus (Bleeker)
Acanthurus metoprosophron (Jenkins) [GUASA]. Eight specimens, 40 to 75 mm., Guam, July 8, 1923. Fowler (1925: 13).
N. hexacanthus syn. *A. metoprosophron*. Herre (1953: 548).
Naso annulatus (Quoy and Gaimard)
 One specimen, 61 mm., Guam, November 26, 1945. Schultz *et al* (1953: 644-645).
Acanthurus incipiens Jenkins [GUASSA]. One specimen, 133 mm., July 2, 1923. Fowler (1925: 13).
N. annulatus syn. *A. incipiens*. Gosline and Brock (1960: 335).
Zebрасoma veliferum (Bloch)
 One specimen, 47 mm., Merizo, May 29, 1965.

Two specimens, 38 and 76 mm., Piti, March 10, 1967.

Zebрасoma flavescens (Bennett)

One specimen, 99 mm., Merizo, May 5, 1965.

One specimen, 39 mm., Piti, March 10, 1967.

Ctenochaetus striatus (Quoy and Gaimard) [HUGUPAU]

One specimen, 93 mm., Tumon Bay, December 6, 1962.

Three specimens, 67 to 78 mm., Agat, February 3, 1965.

FAMILY SIGANIDAE

(Rabbitfishes)

The young and fingerling rabbitfishes are called MANAHAC and DAGE respectively. These vernacular terms are applied to differentiate the plankton eating stage (manahac) from the algae eating stage (dage).

Siganus spinus (Linnaeus) [SESJUN]

Two specimens, 185 and 192 mm. TL., Cocos Island, March 17, 1964.

Four specimens, 145 to 170 mm. TL., Pago Bay, March 31, 1964.

One specimen, 190 mm. TL., Pago Bay, April 1, 1964.

Three specimens, 115 to 140 mm. TL., Pago Bay, August 28, 1964.

Five specimens, 145 to 210 mm. TL., Merizo, February 16, 1965.

Siganus rostratus (Valenciennes) [SESJUN]

One specimen, 130 mm., Piti, March 8, 1967.

One specimen, 110 mm., Piti, March 10, 1967.

Siganus punctatus (Bloch and Schneider) [HITING FADE]

One specimen, 260 mm., Merizo, August 30, 1964.

Siganus fuscescens (Houttuyn)

Seven specimens, 104 to 205 mm., Guam, 1945. Woods *In* Schultz *et al* (1953: 653-654).

Three specimens, 129 to 150 mm., Guam, Fowler (1925: 13).

Siganus doliatus (Valenciennes)

Two specimens, 70.8 and 79 mm., Guam, 1945. Woods *In* Schultz *et al* (1953: 658).

Siganus marmorata (Quoy and Gaimard)

Thirteen specimens, 50 to 126 mm., Guam, July 8, 1923. Fowler (1925: 13)

Two specimens, 3 to 7 inches, Agana, Guam, May, 1900. Seale (1901: 111).

Siganus hexagonata Gunther

One specimen, 13 inches, Agana, Guam, July 12, 1900. Seale (1901: 111).

Siganus sutor (Valenciennes)

Three specimens, 49 to 115 mm., Guam, July 16, 1923. Fowler (1925: 13).

FAMILY MULLIDAE

(Goatfishes)

Parupeneus cylostomus (Lacepede) [SALMONETE]

Three specimens, 68 to 175 mm. TL., Cocos Island, September 27, 1966.

Parupeneus pleurostigma (Bennett) [SALMONETE ACHO]

One specimen, 140 mm. TL., Cocos Island, September 27, 1966.

One specimen, 132 mm., Orote Point, March 8, 1967.

Parupeneus trifasciatus (Lacepede) [SALMONETE ACHO]

- One specimen, 180 mm., Tarague, August 2, 1964.
 One specimen, 155 mm., Cocos Island, September 27, 1966.
- Parupeneus barberinus* (Lacepede) [SALMONETE]
 One specimen, 307 mm., Merizo, September 27, 1964.
 Four specimens, 68 to 80 mm. TL., Tumon Bay, May 3, 1966.
- Parupeneus luteus* (Cuvier and Valenciennes) [SALMONETE]
 Two specimens, 105 and 145 mm., Agat, December 6, 1962.
 Three specimens, 70 to 84 mm. TL., Tumon Bay, May 3, 1966.
- Parupeneus multifasciatus* (Quoy and Gaimard) [SALMONETE ACHO]
 One specimen, 195 mm., Cocos Island, March 30, 1966.
- Parupeneus bifasciatus* (Lacepede) [SALMONETE ACHO]
 One specimen, 160 mm., Guam, date unrecorded.
- Parupeneus pleurotaenia* (Playfair)
 One specimen, 165 mm., Piti, March 31, 1967.
- Mulloidichthys auriflamma* (Forsk.) [SALMONETE MANINING]
 One specimen, 205 mm., FAA, September 11, 1964.
 Two specimens, 118 and 120 mm. TL., Nimitz Beach, December 3, 1964.
- Mulloidichthys samoensis* (Gunther) [SALMONETE]
 Eight specimens, 85 to 215 mm. TL., southern Guam, August, 1964.
 Two specimens, 120 and 140 mm., Acho, November 23, 1964.
 One specimen, 100 mm. TL., Nimitz Beach, September 8, 1965.
- Mulloidichthys pflugeri* (Steindachner)
 One Specimen, 234 mm., Tarague, August 22, 1965.
- Upeneus vittatus* (Forsk.) [SALMONETE LEAU]
 Two specimens, 222 and 229 mm. TL., Apra Harbor, November, 1966.

FAMILY POMACENTRIDAE
 (Damsel-fishes)

- Pomacentrus nigricans* (Lacepede) [FOMHO]
 Five specimens, 50 to 100 mm., Merizo, June 7, 1963.
 One specimen, 85 mm. TL., Guam, May 5, 1965.
 Four specimens, 85 to 115 mm., Ipao Beach, March 15, 1964.
- Pomacentrus lividus* (Bloch and Schneider) [FOMHO]
 One specimen, 72 mm. TL., Agana boat channel, July 16, 1964.
 One specimen, 135 mm. TL., Merizo, May 29, 1965.
- Pomacentrus vaiuli* (Jordan and Seale) [FOMHO]
 One specimen, 50 mm. TL., Agana boat channel, July 16, 1964.
 Three specimens, 72 to 89 mm. TL., Cocos Island reef. December 2, 1965.
 One specimen, 70 mm. TL., Ipao Beach, March 15, 1966.
- Pomacentrus albofasciatus* (Schlegel and Muller)
 Fifty-nine specimens, 16 to 74 mm., Guam. Woods and Schultz *In* Schultz
et al (1960: 108-110).
- Pomacentrus pavo* (Bloch)
 One specimen, 22 mm., Guam, July 19, 1923. Fowler (1925: 14).
- Pomacentrus bifasciatus* (Bleeker)
 Two specimens, 19 and 31.7 mm., Guam. Woods and Schultz *In* Schultz *et al*
 (1960: 116-117).

Pomacentrus tripunctatus Cuvier and Valenciennes

Pomacentrus bankanensis Bleeker. Three specimens, 1.50 to 3.50 inches, Guam, June 2, 1900. Seale (1901: 81).

P. tripunctatus syn. *P. bankanensis*. Herre (1953: 635); Smith (1953: 281).

Pomacentrus amboinensis Bleeker

Abudefduf amboinensis (Bleeker). Six specimens, 3.50 inches, Guam, June 14, 1900. Seale (1901: 84).

P. amboinensis Bleeker. Herre (1953: 623).

Pomacentrus littoralis Kuhl

Five specimens: 2 to 4 inches, Guam, June 1, 1900. Seale (1901: 81).

Abudefduf septemfasciatus (Cuvier and Valenciennes) [FOMHO]

One specimen, 180 mm. TL., Guam, date unrecorded.

Two specimens, 113 and 124 mm., Tarague, November 5, 1965.

Abudefduf glaucus (Cuvier and Valenciennes) [FOMHO]

One specimen, 72 mm. TL., Ipao Beach, March 15, 1966.

Abudefduf amabilis (De vis) FOMHO]

One specimen, 48 mm. TL., Merizo, June 6, 1963.

Abudefduf johnstonianus (Fowler and Ball) [FOMHO]

One specimen, 70 mm. TL., Cocos Island reef, December 2, 1965.

Abudefduf sexfasciatus (Lacepede) [FOMHO]

One specimen, 89 mm. TL., Ipao Beach, March 10, 1966.

One specimen, 96 mm. TL., Ipao Beach, March 15, 1966.

Abudefduf lacrymatus (Quoy and Gaimard)

One specimen, 78 mm. TL., Cocos Island reef, December 2, 1965.

Abudefduf curacao (Bloch)

Three specimens, 57 to 74 mm., Piti, March 8, 1967.

Abudefduf sordidus (Forsk.)

Five specimens, 18 to 75 mm., Guam. Woods and Schultz *In* Schultz *et al* (1960: 83-84).

Abudefduf saxatilis (Linnaeus)

One specimen, 69 mm., Guam, November 25, 1945.

Two specimens, 53 and 54 mm., Tumon Bay, November 29, 1945.

Forty-eight specimens, 41 to 61 mm., Tumon Bay, January 8, 1946.

Note: All specimens of *A. saxatilis* from Woods and Schultz *In* Schultz *et al* (1960: 84-85).

Abudefduf leucopomus (Lesson)

Eighty-five specimens, 13 to 46 mm., Guam. Woods and Schultz *In* Schultz *et al* (1960: 89-90).

Abudefduf biocellatus (Quoy and Gaimard)

Twenty specimens, 17 to 57 mm., Guam. Woods and Schultz *In* Schultz *et al* (1960: 93-95).

Abudefduf brownriggii Bennett. Four specimens, 1 to 3.25 inches, Guam, June 1, 1900. Seale (1901: 83).

Six specimens, 25 to 61 mm., Guam, July 2 and 27, 1923. Fowler (1925: 14).

Abudefduf antjerius Kuhl. Two specimens, 2 inches, Guam. July 14, 1900. Seale (1901: 83).

A. biocellatus syn. *A. brownriggii*, *A. antjerius*. Herre (1953: 595).

Abudefduf dicki (Lienard)

One specimen, 30 mm., Guam. Woods and Schultz *In Schultz et al* (1960: 97-98).

One Specimen, 4 inches, Guam, June 14, 1900. Seale (1901: 84).

Abudefduf leucozona (Bleeker)

Seventy-eight specimens, 13 to 71 mm., Guam. Woods and Schultz *In Schultz et al* (1960: 101-103).

Dascyllus trimaculatus (Ruppell) [FOMHO]

One specimen, 46 mm., Agana boat channel, July 16, 1964.

One specimen, 121 mm. TL., Merizo, May 5, 1965.

Dascyllus reticulatus (Richardson) [FOMHO]

Two specimens, 80 and 115 mm. TL., Merizo, May 5, 1965.

Dascyllus aruanus (Linnaeus) [FOMHO]

Two specimens, 24 and 40 mm. TL., Ipao Beach, May 12, 1963.

Three specimens, 49 to 91 mm. TL., Merizo, June 7, 1963.

Four specimens, 36 to 62 mm. TL., Merizo, May 29, 1965.

Amphiprion melanopus Bleeker [FOMHO GADUDOG]

Two specimens, 70 and 72 mm. TL., Ipao Beach, May 12, 1963.

One specimen, 72 mm. TL., Hilaan Beach, February 26, 1965.

One specimen, 70 mm. TL., Merizo, April 29, 1965.

Two specimens, 86 and 98 mm. TL., Merizo, May 29, 1965.

Amphiprion perideraion Bleeker

One specimen, 63 mm., Piti, "Bomb hole", March 8, 1967.

Amphiprion sebae Bleeker

Two specimens, 26 and 27 mm., Guam, July 19 and 30, 1923. Fowler (1925: 13).

Amphiprion ephippium (Bloch)

One specimen, 35 mm., Guam, July 18, 1923. Fowler (1925: 14).

Four specimens, 3 to 4.50 inches, Agana, June 14, 1900. Seale (1901: 81-82).

Amphiprion bicinctus Ruppell [FOMHO GADUDOG]

One specimen, 123 mm. TL., Guam, date unrecorded.

One specimen, 140 mm. TL., Merizo, May 5, 1965.

One specimen, 92 mm. TL., Merizo, August 10, 1965.

Chromis caeruleus (Cuvier and Valenciennes)

One specimen, 65 mm. TL., Guam, date unrecorded.

Ten specimens, 30 to 61 mm. TL., Merizo, June 6 and 7, 1963.

Two specimens, 65 and 70 mm., Merizo, May 29, 1965.

Three specimens, 72 to 82 mm., Ipao Beach, March 15, 1966.

Chromis atripectoralis Welander and Schultz

Eighty-five specimens, 9 to 60 mm., Guam. Woods and Schultz *In Schultz et al* (1960: 70-72).

FAMILY MALACANTHIDAE

Malacanthus latovittatus (Lacepede)

One specimen, 305 mm., Merizo, March 24, 1966.

One specimen, 330 mm. TL., Ritidian Point, October 30, 1966.

FAMILY LABRIDAE

(Wrasses)

- Stethojulis axillaris* (Quoy and Gaimard) [AAGA]
One specimen, 82 mm. TL., Cocos Island, September 27, 1966.
- Stethojulis linearis* Schultz [AAGA]
Two specimens, 70 and 79 mm. TL., southern Guam, August, 1964.
- Stethojulis strigiventer* (Bennett) [AAGA]
One hundred three specimens, 25 to 78 mm., Guam. Schultz *et al* (1960: 210-212).
Stethojulis renardi (Bleeker), One specimen, 7 inches, Agana, Guam, July 14, 1900. Seale (1901: 92).
S. strigiventer syn. *S. renardi*. Schultz *et al* (1960: 210-212).
- Cheilinus celebicus* Bleeker [AAGA]
One specimen, 137 mm. TL., southern Guam, August, 1964.
Three specimens, 155 to 243 mm. TL., Merizo, February 4, 1965.
Two specimens, 140 and 165 mm. TL., Cocos Island, February 24, 1966.
- Cheilinus fasciatus* (Bloch) [AAGA]
One specimen, 230 mm. TL., Merizo lagoon, March 31, 1967.
- Cheilinus chlorourus* (Bloth) [AAGA]
Seven specimens, 25 to 112 mm., Guam. Schultz *et al* (1960: 154-156).
Cheilinus chlorurus (Bloch) [PALAGSI, GADDAS]. Two specimens, 128 and 134 mm., Guam, July 4 and 16, 1923. Fowler (1925: 15).
- Cheilinus undulatus* Ruppell [TANGISUN]
One specimen, 134 mm., Apra Bay, 1907, Albatross. Schultz *et al* (1960: 157-158).
Fowler (1925: 15) states, "Only scales and photograph. Four in the Bishop Museum".
- Cheilinus trilobatus* Lacepede
Eleven specimens, 35 to 210 mm., Guam. Schultz *et al* (1960: 162-163).
One specimen, 8 inches, Guam, June 2, 1900. Seale (1901: 85-86).
Thalassoma trilobata (Lacepede) [LALATSA-MAMATI]. One specimen, 182 mm., Guam, July 26, 1923. Fowler (1925: 15).
- Gomphosus tricolor* Quoy and Gaimard [AAGA]
One specimen, 204 mm. TL., Camp Dealy channel, June 27, 1965.
- Gomphosus varius* Lacepede
Two specimens, 29 and 74 mm., Guam. Schultz *et al* (1960: 200-201).
Gomphosus pectoralis Quoy and Gaimard. Five specimens, 3-5.50 inches, Guam, June 19, 1900. Seale (1901: 93).
G. varius syn. *G. pectoralis*. Herre (1953: 658).
- Epibulus insidiator* (Pallas) [AAGA]
One specimen, 196 mm. TL., Merizo-Umatac, April 7, 1965.
One specimen, 260 mm. TL., Merizo, September 5, 1965.
One specimen, 76 mm., Cocos Island reef, February 21, 1967.
One specimen, 96 mm., Piti, March 10, 1967.
- Anampses caeoruleopunctatus* Ruppell [AAGA]
One specimen, 131 mm. TL., Tumon Bay, June 12, 1963.
- Thalassoma hardwicki* (Bennett) [AAGA]

- Two specimens, 150 mm. TL., Tumon Bay, June 12, 1963.
- Thalassoma lutescens* (Lay and Bennett) [AAGA]
 One specimen, 122 mm. TL., Cocos Island, October 26, 1965.
 One specimen, 115 mm. TL., Cocos Island, December 2, 1965.
 Two specimens, 115 and 150 mm. TL., Cocos Island, September 27, 1966.
- Thalassoma quinquevittata* (Lay and Bennett) [AAGA]
 One specimen, 125 mm. TL., Cocos Island, December 2, 1966.
- Thalassoma purpureum* (Forsk.) [AAGA]
 One specimen, 245 mm. TL., Merizo, April 3, 1965.
- Thalassoma umbrostygma* (Ruppell) [AAGA]
 Nineteen specimens, 14 to 43 mm., Guam. Schultz *et al* (1960: 189-190).
- Julis punctatus* Seale. One specimen, 7 inches, Agana, Guam, July 14, 1900.
 Seale (1901: 91-92).
- T. umbrostygma* syn. *J. punctatus*. Schultz *et al* (1960: 189-190).
- Halichoeres trimaculatus* (Quoy and Gaimard) [AAGA]
 One specimen, 85 mm. TL., Merizo, May 5, 1965.
 Two specimens, 83 and 102 mm. TL., Cocos Island, December 2, 1963.
- Halichoeres marginatus* Ruppell [AAGA]
 One specimen, 80 mm., Merizo lagoon, March 31, 1967.
- Halichoeres hortulanus* (Lacepede) [AAGA]
 One specimen, 34 mm., Guam. Schultz *et al* (1960: 226-229).
 Two specimens, 1-6 inches, Agana, Guam, July 14, 1900. Seale (1901: 88).
- Halichoeres margaritaceus* (Cuvier and Valenciennes) [AAGA]
 One hundred sixteen specimens, 20 to 70 mm., Guam. Schultz *et al* (1960: 231-233).
- Halichoeres opercularis* Gunther. Two specimens, 2 inches, Guam, July 14, 1900. Seale (1901: 89).
- H. margaritaceus* syn. *H. opercularis*. Herre (1953: 665-666); Schultz *et al* (1960: 231-233).
- Halichoeres nebulosus* (Cuvier and Valenciennes) [AAGA]
 Three specimens, 3 inches, Guam, July 14, 1900. Seale (1901: 88-89).
- Halichoeres leparensis* (Bleeker) [AAGA]
 One specimen, 1.50 inches, Guam, July 14, 1900. Seale (1901: 89).
- Labroides dimidiatus* (Cuvier and Valenciennes) [AAGA]
 One specimen, 81 mm. TL., Ipao Beach, May, 1963.
- Labroides bicolor* Fowler and Bean [AAGA]
 One specimen, 57 mm. TL., Merizo, June, 1963.
- Cheilio inermis* (Forsk.) [AAGA]
 One specimen, 170 mm., Tumon Bay, June 12, 1963.
 One specimen, 45 mm. TL., Tumon Bay, May 2, 1966.
- Hemigymnus melapterus* (Bloch) [AAGA]
 One specimen, 58 mm., Ipao Beach, March 15, 1966.
 One specimen, 255 mm. TL., Cocos Island, September 27, 1966.
- Hemigymnus fasciatus* (Bloch) [AAGA]
 One specimen, 80 mm., Piti, March 8, 1967.
- Macropharyngodon pardalis* (Kner) [AAGA]
 One specimen, 93 mm. TL., Agana Boat Basin, September, 1964.

- One specimen, 70 mm. TL., Cocos Island, December 2, 1965.
Lepidaplois axillaris (Bennett) [AAGA]
 Two specimens, 105 and 113 mm. TL., Cocos Island, December 2, 1965.
Coris aygula Lacepede [AAGA]
 Two specimens, 235 and 250 mm. TL., Cocos Island, September 27, 1966.
Coris gaimardi (Quoy and Gaimard) [AAGA]
 One specimen, 163 mm. TL., Merizo, May 13, 1965.
 Two specimens, 235 and 250 mm. TL., Cocos Island, September 27, 1966.
Xyrichtys taeniurus (Lacepede) [AAGA]
 One specimen, 220 mm. TL., Cocos Island, September 27, 1966.
Iniistius pavonius (Cuvier and Valenciennes) [AAGA]
 One specimen, 240 mm., Pati Point, August 28, 1965.
Labrichthys cyanoaenis Bleeker [AAGA]
 Two specimens, 56 and 94 mm., Piti, March 10, 1967.
 One specimen, 170 mm. TL., Piti, March 31, 1967.
Choerodon anchorago (Bloch) [AAGA]
 Six specimens, 34 to 107 mm., Guam. Schultz *et al* (1960: 125-126).
Cymolutes lecluse (Quoy and Gaimard) [AAGA]
 Nine specimens, 60 to 123 mm., Guam, July 6, 1923. Fowler (1925: 15).

FAMILY SCARIDAE
 (Parrotfishes)

- Chlorurus bicolor* (Ruppell)
 One specimen, 300 mm., Merizo, February 12, 1965.
 One specimen, 455 mm., Cocos Island, March 30, 1966.
 One specimen, 143 mm., Merizo, March 31, 1967.
Scarus harid Forskal
 One specimen, 265 mm., Guam. Schultz *et al* (1960: 243-244).
Scarus sordidus Forskal
 Thirty-four specimens, 16 to 240 mm., Guam. Schultz *et al* (1960: 246-247).
Scarus celebicus (Bleeker). One specimen, 8 inches, Agana July, 1900. Seale (1901: 95).
Pseudoscarus sumbawensis Bleeker. Two specimens, 3 and 7 inches, Guam, July, 1900. Seale (1901: 97).
Callyodon celebicus (Bleeker). One specimen, 230 mm., Guam, July 8, 1923. Fowler (1925: 15).
S. sordidus syn. *S. celebicus*, *C. celebicus*. Herre (1953: 717).
S. sordidus syn. *P. sumbawensis*. Schultz (1958: 68-72).
Scarus forsteri Cuvier and Valenciennes
 Five specimens, 180 to 230 mm., Guam. Schultz *et al* (1960: 246).
Callyodon gilberti (Jenkins). One specimen, 215 mm., Guam, July 8, 1923. Fowler (1925: 15).
Pseudoscarus bataviensis (Bleeker). One specimen, 9 inches, Agana, July 12, 1900. Seale (1901: 96).
S. forsteri syn. *C. gilberti*, *P. bataviensis*. Schultz (1958: 64).
Scarus taeniurus Cuvier and Valenciennes
 Thirty-one specimens, 29 to 195 mm., Guam. Schultz *et al* (1960: 245-246).

- Pseudoscarus platodoni* Seale. Two specimens, 3 and 6 inches, Agana, Guam, July 14, 1900. Seale (1901: 96-97).
- Callyodon hornosteli* Fowler. [PALAGSI]. One specimen, 207 mm., Guam, July 28, 1923. Fowler (1925: 16).
- S. taeniurus* syn. *P. platodoni*, *C. hornosteli*. Schultz (1958: 61-64).
- Scarus chlorodon* Jenyns
Four specimens, 295 to 330 mm., Guam. Schultz *et al* (1960: 249).
- Scarus aeruginosus* Cuvier and Valenciennes
Nineteen specimens, 38 to 305 mm., Guam. Schultz *et al* (1960: 249-250).
- Scarus schlegeli* (Bleeker)
Scarus cypho Seale. One specimen, 9.50 inches, Agana, July 12, 1900. Seale (1901: 95-96).
S. schlegeli syn. *S. cypho*. Schultz (1958: 59-60).
- Calotomus spinidens* (Quoy and Gaimard)
One specimen, 42 mm., Guam. Schultz *et al* (1960: 250-251).
- Leptoscarus vaigiensis* (Quoy and Gaimard)
One specimen, 205 mm., Guam, November 26, 1945. Schultz *et al* (1960: 251).
- Scarichthys auritus* (Valenciennes). [PALAGSI]. One specimen, 185 mm., Guam, July 29, 1923. Fowler (1925: 15).
- L. vaigiensis* syn. *Scarichthys auritus* Bleeker, *Scarus auritus* Cuvier and Valenciennes. Herre (1953: 698); Schultz (1958: 216-127).
- Scarops rubroviolaceus* (Bleeker)
Callyodon rubroviolaceus (Bleeker). Two specimens, 134 and 137 mm., July 3, 1923. Fowler (1925: 16).
Scarops rubroviolaceus syn. *Scarus rubroviolaceus*. Schultz (1958: 21).
Scarus rubroviolaceus syn. *C. rubroviolaceus*. Herre (1953: 716).

FAMILY CIRRHITIDAE

(Hawkfishes)

- Paracirrhites forsteri* (Bloch and Schneider)
One specimen, 111 mm., Merizo, May 5, 1965.
- Paracirrhites hemistictus* (Gunther)
Two specimens, 180 to 200 mm., Tarague, August 2, 1964.
One specimen, 150 mm., Merizo, May 5, 1965.
- Paracirrhites arcatus* (Cuvier and Valenciennes)
Two specimens, 85 and 92 mm., reef off Cocos Island, January 26, 1967.
One specimen, 70 mm. TL., reef off Cocos Island, December 20, 1965.
- Cirrhites pinnulatus* (Bloch and Schneider)
One specimen, 140 mm., Tumon Bay, December 6, 1963.
Two specimens, 140 and 145 mm., Tarague, August 2, 1964.
- Cirrhitichthys serratus* Randall
One specimen, 60 mm. TL., Merizo, June 17, 1965.
- Neocirrhites armatus* Castelnau
Two specimens, 45 and 60 mm. TL., NCS Beach, January, 1964.
One specimen, 68 mm. TL., reef off Cocos Island, December 20, 1965.

FAMILY MUGILOIDIDAE

Parapercis clathrata Ogilby

One specimen, 183 mm. TL., Merizo, November 10, 1964.

Two specimens, 105 and 129 mm., Cocos Island reef, February 21, 1967.

FAMILY TRICHONOTIDAE

Chrionema squamiceps Gilbert

One specimen, 70 mm., Orote Point, from stomach of *Seriola* sp. March 28-31, 1967.

FAMILY CLINIDAE

(Scaled Blennies)

Tripterygion hemimelas Kner and Steindachner

Six specimens, 19 to 27 mm., Guam. Schultz *et al* (1960: 285-286).

FAMILY BLENNIIDAE

(Blennies)

Exallias brevis (Kner)

One specimen, 125 mm. TL., Cetti Bay, November 18, 1965.

Salarias fasciatus (Bloch)

One specimen, 127 mm. TL., Ipao Beach, March 15, 1966.

Rhabdoblennius rhabdotrachelus (Fowler and Ball)

Forty-three specimens, 16 to 34 mm., Guam. Schultz and Chapman *In* Schultz *et al* (1960: 321-322).

Rhabdoblennius nitidus (Gunther)

Salaris nitidus Gunther. Six specimens, 1 to 3.50 inches, Guam, June 14, 1900. Seale (1901: 127).

R. nitidus syn. *S. nitidus*. Herre (1953: 792).

Entomacrodus thalassinus (Jordan and Seale)

Four specimens, 27 to 36 mm., Guam. Schultz and Chapman *In* Schultz *et al* (1960: 330-332).

Entomacrodus incisolabiatu Schultz

Paratypes. U. S. N. M. No. 123934, one specimen, 27 mm., Ritidian Point, Guam, July 12, 1945 and U. S. M. N. No. 111881, one specimen, 49 mm., Guam. Schultz and Chapman *In* Schultz *et al* (1960: 332-334).

Entomacrodus decussatus (Bleeker)

Six specimens, 72 to 132 mm., November 26, 1945. Schultz and Chapman *In* Schultz *et al* (1960: 334-335).

Entomacrodus aneitensis (Gunther)

Thirteen specimens, 16 to 67 mm., Guam. Schultz and Chapman *In* Schultz *et al* (1960: 337-338).

Entomacrodus plurifilis plurifilis Schultz

One specimen, 62 mm., Apra Bay, November 19-21, 1907. *Albatross*. Schultz and Chapman *In* Schultz *et al* (1960: 338-340).

One specimen, 39 mm., Oca Point, Guam, June 26, 1945. Schultz and Chapman *In* Schultz *et al* (1960: 338-340).

Twenty specimens, 18 to 45 mm., Guam, November 25, 1945. Schultz and

- Chapman *In* Schultz *et al* (1960: 338-340).
Entomacrodus niuafoouensis (Fowler)
 One specimen, 57 mm., female, Ipao Point, Guam. Schultz and Chapman
In Schultz *et al* (1960: 343-344).
Istiblennius lineatus (Cuvier and Valenciennes)
 One specimen, 24 mm., Guam. Schultz and Chapman *In* Schultz *et al* (1960:
 347-349).
Istiblennius paulus (Bryan and Herre)
 Forty-three specimens, 29 to 98 mm., Guam. Schultz and Chapman *In* Schultz
et al (1960: 349-351).
Istiblennius coronatus (Gunther)
 One specimen, 34 mm., Guam. Schultz and Chapman *In* Schultz *et al* (1960:
 351-353).
Istiblennius edentulus (Bloch and Schneider)
 Eight specimens, 16 to 80 mm., Guam. Schultz and Chapman *In* Schultz *et*
al (1960: 353-355).
Istiblennius cyanostigma (Bleeker)
 One hundred eleven specimens, 25 to 73 mm., Guam. Schultz and Chapman
In Schultz *et al* (1960: 355-356).
Alticus saliens (Lacepede)
 Five specimens, 17 to 42 mm., Guam. Schultz and Chapman *In* Schultz *et*
al (1960: 367-368).
Praealticus natalis (Regan)
 Nineteen specimens, 18 to 35 mm., Guam. Schultz and Chapman *In* Schultz
et al (1960: 369-370).
Praealticus amboinensis litteratus Schultz
 New subspecies. Holotype. U. S. N. M. No. 124116, 41 mm., Ipao Point,
 Guam, August 9, 1945. Paratypes. U. S. N. M. Nos. 111875, 124120 Schultz
 and Chapman *In* Schultz *et al* (1960: 370-372).
Cirripectes variolosus (Cuvier and Valenciennes)
Salaris nigripes Seale. Thirty specimens, 1 to 2.75 inches, Guam, July 12,
 1900. Seale (1901: 127).
C. variolosus syn. *S. nigripes*. Herre (1953: 793).
Rupiscartes poptae Fowler
 Type specimen Bishop Museum No. 3413, 53 mm., Guam. Fowler (1925: 19).
Petroscirtes mitratus (Ruppell) [ATUT]
 Two specimens, 58 and 64 mm., Guam, July 11, 1923. Fowler (1925: 20).

FAMILY BROTLIDAE

- Brotula multibarata* Timminck and Schlegel
 One specimen, 250 mm. TL., Merizo, January 3, 1964.
Dinematichthys iluocoeteoides Bleeker
 One specimen, 98 mm., Nimitz Beach, May 17, 1965.

FAMILY CARAPIDAE

(Pearlfishes)

- Carapus homei* (Richardson)

Two specimens, 79 and 82 mm. TL., Agana Bay, July 25, 1965.

One specimen, 140 mm. TL., Cocos Island channel, September 27, 1966.

Carapus mourlani (Petit)

Five specimens, 74 to 94 mm., Guam. Smith (1964a: 35).

Carapus parvipinnis (Kaup)

Two specimens, 63 to 238 mm., Guam. Smith (1964a: 35).

Jordanicus gracilis (Bleeker)

Two specimens, 140 and 186 mm. TL., Agana Bay, July 25, 1965.

Encheliophis vermicularis Muller

Two specimens, 95 and 115 mm., Tumon Bay, June 20, 1945. Schultz *et al* (1960: 392-393).

FAMILY CALLIONYMIDAE

Callionymus calliste Jordan and Fowler

One specimen, 20 mm., Guam, 1945. Schultz *et al* (1960: 404).

FAMILY GEMPYLIDAE

(Oilfish or Snake Mackerels)

Ruwettus pretiosus Cocco

One specimen, 1,253 mm., reef off Cocos Island, March 14, 1966.

Promethichthys prometheus Jordan and Evermann

One specimen, 570 mm., between Umatac and Merizo, April 17, 1967.

FAMILY SCOMBRIDAE

(Tunas)

Katsuwonus pelamis (Linnaeus)

One specimen, 215 mm. TL., Ylig Bay, July 4, 1963.

Six specimens, 65 to 83 mm. TL., Agana boat channel, August 10, 1966.

Euthynnus affinis (Cantor)

One specimen, 314 mm., Guam, date unrecorded.

Acanthocybium solandri (Cuvier) TOSUN

Head only. Guam, date, unrecorded.

One specimen, 37 pounds, Ritidian, December 10, 1966. Guam Fishing and Boating Association record.

One specimen, 26 pounds, Uruno, December 10, 1966. Guam Fishing and Boating Association record.

Thunnus albacares (Bonnaterre)

One specimen, 595 mm. TL., between Merizo and Orote Point, April 7, 1967.

Gymnosarda nuda Gunther

One specimen, 890 mm. TL., between Merizo and Orote Point, April 7, 1967.

FAMILY ISTIOPHORIDAE

(Sailfishes and Marlins)

Istiophorus orientalis (Schegel)

One specimen, 103 inches, one-half mile off Cetto Bay.

Makaira ampla Royce

One specimen, 76 inches, FL., Facpi Point, May 26, 1967.

FAMILY XIPHIIDAE

(Broadbill Swordfish)

Xiphias gladius Linnaeus

One specimen, 78 inches, Ylig Bay, August 11, 1963.

FAMILY MICRODESMIDAE

Gunnellichthys pleurotaenia BleekerOne specimen, 55.3 mm., Guam, June 29 and July 7, 1949. Schultz *et al* (1966: 11-12).

FAMILY GOBIIDAE

(Gobies)

Amblygobius albimaculatus (Ruppell)

Two specimens, 110 and 116 mm. TL., Cocos Island, September 27, 1966.

Amblygobius phalaena (Valenciennes)

Nine specimens, 59 to 128 mm., Guam, July 19, 1923. Fowler (1925: 17).

Gnatholepis deltoides (Seale)*Gobius deltoides* Seale. Type specimen Guam. Eighteen specimens, 1 to 2 inches, June 2, 1900. Seale (1901: 125).*Gnatholepis deltoides* syn. *Gobius deltoides*. Herre (1953: 750-751). Herre (1927: 133).*Bathygobius fuscus* (Ruppell)

Three specimens, 40 to 65 mm., Guam, July 19, 1923. Fowler (1925: 17).

Oxyurichthys papuensis (Cuvier and Valenciennes)*Gobiichthys papuensis* (Valenciennes). One specimen, 92 mm., Guam, Fowler (1925: 17).*O. papuensis* syn. *G. papuensis*. Herre (1927: 253-254).*Gobiodon quinquestrigatus* (Cuvier and Valenciennes)*Gobiodon ceramensis* (Bleeker). Two specimens, 25 mm., Guam, July 30, 1923. Fowler (1925: 17).*G. quinquestrigatus* syn. *Gobius ceramensis* Bleeker. Herre (1953-752-753).*Gobiodon citrinus* (Ruppell)

Three specimens, 30 to 36 mm., Guam, July 30, 1923. Fowler (1925: 17).

Paragobiodon echinocephalus (Ruppell)

Seven specimens, 15 to 23 mm., Guam, July 3, 1923. Fowler (1925: 17).

Taenaeoides (Taenioides) gertrudae Fowler

Holotype. Bishop Museum No. 3411, 103 mm., Guam, July 13, 1923. Fowler (1925: 17-18).

Taenioides limicola Smith

Holotype: American Museum of Natural History No. 20445, 44 mm., Guam. April 23, 1961. Paratype: A. M. N. H. No. 20446, 13 specimens, 16 to 53 mm., collected with holotype. A. M. N. H. No. 20447, 17 specimens, 26 to 47 mm., July 2, 1961, Guam. Smith (1964b).

FAMILY ELEOTRIDAE

Eleotriodes strigatus (Broussonet)

Three specimens 100 to 110 mm., Cocos Island, September 27, 1966.

Eleotris fusca (Schneider) [ATUT]

Seven specimens, 112 to 152 mm., Guam, July 20 and 21, 1923.

Eleotris miniatus Seale

Type specimens. Three specimens, 1.50 inches, Guam, July 1, 1900. Seale (1901: 125-126).

FAMILY SCORPAENIDAE

(Scorpionfishes)

Pterois antennata (Bloch) [NUFU PABO]

Four specimens, 120 and 140 mm. TL., Merizo, January 3, 1964.

One specimen, 90 mm. TL., Merizo, March, 1965.

One specimen, 135 mm. TL., Merizo, March 26, 1965.

One specimen, 170 mm. TL., Merizo, April 29, 1965.

Five specimens, 115 to 163 mm. TL., Merizo, May 5, 1965.

Three specimens, 33 to 45 mm., Merizo, May 29, 1965.

Pterois volitans (Linnaeus) [NUFU PABO]

One specimen, 72 mm. TL., Tamuning, November 1, 1963.

Pterois radiata Cuvier and Valenciennes

One specimen, 49 mm., Guam. Schultz *et al* (1966: 22-23).

Scorpaenodes guamensis (Quoy and Gaimard) [NUFU]

Three specimens, 85 to 100 mm. TL., Ipao Beach, July, 1966.

Scorpaenodes kelloggi (Jenkins) [NUFU]

One specimen, 65 mm. TL., Tumon Bay, December 6, 1963.

Scorpaenodes parvipinnis (Garrett)

Two specimens, 69 and 79 mm., Merizo, May 29, 1965.

Synanceia verrucosa Bloch and Schneider [NUFU]

Two specimens, 185 and 195 mm. TL., Asan, July, 1966.

Scorpaenopsis gibbosa (Bloch and Schneider) [NUFU]

Two specimens, 127 and 168 mm., Guam, date unrecorded.

One specimen, 250 mm. TL., Merizo, date unrecorded.

One specimen, 189 mm., Agana boat channel, May 25, 1962.

One specimen, 198 mm., Merizo, September 30, 1964.

Taenianotus triacanthus Lacepede

One specimen, 50 mm., Cocos Island reef, February 21, 1967.

Merinthe macrocephala (Sauvage)

One specimen, 265 mm., Merizo, January 6, 1967.

Sebastapistes corallicola Jenkins

Ten specimens, 25 to 53 mm., Guam. Schultz *et al* (1966: 30-32).

Sebastapistes bynoensis (Richardson)

Two specimens, 29 to 30 mm., Guam. Schultz *et al* (1966: 32-33).

Sebastapistapistes tristis (Klunzinger) [NUFU]

Four specimens, 38 to 61 mm., Guam, July 2, 1923. Fowler (1925: 11).

Dendrochirus zebra (Cuvier and Valenciennes)

Pterois zebra Cuvier and Valenciennes. One specimen, 4 inches, Guam, July 13, 1900. Seale (1901: 122-123).

D. zebra syn. *P. zebra*. Herre (1953: 546).

FAMILY CARACANTHIDAE

Caracanthus maculatus (Gray)

One specimen, 46 mm., Merizo, April 13, 1967.

FAMILY PLATYCEPHALIDAE

(Flatheads)

Suggrundus harrisii (McCulloch)

One specimen, 80 mm. TL., NCS Beach, March, 1963.

One specimen, 150 mm. TL., Cocos Island, September 27, 1966.

Thysanophrys crocodilus (Tilesius)

Platycephalus punctatus Cuvier and Valenciennes. Two specimens, 4 and 6 inches, Guam, July 13, 1900. Seale (1901: 123-124).

Cocius crocodilus (Tilesius) syn. *P. punctatus*. Herre (1953: 578).

Thysanophrys Ogilby syn. *Cocius* Jordan and Hubbs. Schultz *et al* (1966: 52).

FAMILY DACTYLOPTERIDAE

(Flying Gurnards)

Dactyloptena orientalis (Cuvier and Valenciennes)

One specimen, 244 mm., Nimitz Beach, May 17, 1965.

One specimen, 550 mm. TL., Ritidian Point, May 8, 1966.

FAMILY BOTHIDAE

(Flatfishes)

Bothus mancus (Broussonet) TAMPAT

One specimen, 168 mm., NCS Beach, November 5, 1962.

Bothus pantherinus (Ruppell)

Forty-six specimens, 27 to 89 mm., Guam. Woods *In* Schultz *et al* (1966: 64-65).

FAMILY SOLEIDAE

(Soles)

Aesopia heterorhinos (Bleeker)

Two specimens, 78 and 85 mm. TL., Agana Bay, October 15, 1964.

FAMILY MONACANTHIDAE

(Filefishes)

Oxymonacanthus longirostris (Bloch and Schneider) [HAGONFA HA]

Two specimens, 73 and 80 mm. TL., Ipao Beach, May, 1963.

Two specimens, 65 and 72 mm. TL., Merizo, May 29, 1965.

Pervagor melanocephalus melanocephalus (Bleeker)

One specimen, 90 mm. TL., Cocos Island, December 2, 1965.

Amanes sandwichiensis (Quoy and Gaimard)

One specimen, 150 mm. TL., Merizo, May 15, 1965.

Amanes carolae Jordan and McGregor

One specimen, 275 mm. TL., Cocos Island, September 27, 1966.

FAMILY BALISTIDAE
(Triggerfishes)

Rhinecanthus aculeatus Linnaeus [PULONON]

One specimen, 33 mm., Ipao Beach, May, 1963.

Rhinecanthus rectangulus (Bloch and Schneider) [PULONON-LAGO]

Four specimens, 110 to 153 mm., NCS Beach, February 24, 1967.

Balistes capistratus Shaw [PULONON]

One specimen, 159 mm., Tarague, August 22, 1965.

Balistes bursa Bloch and Schneider [PULONON]

One specimen, 130 mm. TL., Merizo, August 10, 1965.

One specimen, 115 mm. TL., Cetti Bay, November 18, 1965.

Odonus niger (Ruppell) [PULONON]

One specimen, 137 mm., Merizo, August 10, 1965.

Sufflamen chrysoptera (Bloch and Schneider) [PULONON]

Four specimens, 100 to 140 mm. TL., north of Cetti Bay, November 18, 1965.

Melichthys vidua Solander [PULONON]

Two specimens, 152 to 182 mm., Merizo, May 5, 1965.

Melichthys buniva Bloch and Schneider [PULONON]

One specimen, 225 mm. TL., Cocos Island, October 12, 1965.

Balistoides conspicillum (Bloch) [PULONON]

One specimen, 140 mm., Guam, date unrecorded.

One specimen, 200 mm., Merizo, August 10, 1965.

Balistoides viridescens (Bloch and Schneider) [PULONON-SASADU]

One specimen, 460 mm., Hoover Park, May 31, 1961.

Pseudobalistes fuscus (Bloch and Schneider) [PULONON]

One specimen, 260 mm., Guam, date unrecorded.

Pseudobalistes flavomarginatus (Ruppell) [PULONON-SASADU]

One specimen, 425 mm., Merizo, January 28, 1965.

Balistapus undulatus (Mungo Park)

One specimen, 150 mm., Agat, February 3, 1965.

Two specimens, 200 and 250 mm. TL., Cocos Island, September 27, 1966.

FAMILY OSTRACIONTIDAE
(Boxfishes or Cowfishes)

Ostracion meleagris Shaw

One specimen, 150 mm. TL., Cocos Island, September 27, 1966.

Ostracion cubicus Linnaeus

One specimen, 52 mm. TL., Ipao Beach, March 15, 1966.

One specimen, 50 mm., Ipao Beach, March 23, 1966.

Lactoria cornutus Linnaeus [TO RILLO]

One specimen, 120 mm. TL., Merizo, September, 1966.

One specimen, 152 mm., Piti, March 8, 1967.

FAMILY TRIODONTIDAE

Triodon bursarius Reinwardt

Two specimens, 372 and 373 mm., Ritidian, November 26, 1964.

FAMILY CANTHIGASTERIDAE
(Sharpbacked Puffers)

Canthigaster cinctus Solander

One specimen, 61 mm., Merizo, March 26, 1965.

Canthigaster bennetti (Bleeker)

One specimen, 55 mm., Tupalao, December 21, 1965.

Canthigaster solandri (Richardson)

One specimen, 90 mm. TL., Agat, December 6, 1962.

One specimen, 59 mm., Agana boat channel, July 16, 1964.

Canthigaster amboinensus (Bleeker)

One specimen, 70 mm., near Ritidian, May 31, 1967.

Canthigaster margaritatus (Ruppell) [BUTETE, FAHA]

Eight specimens, 37 to 60 mm., July 6, 1923. Fowler (1925: 21).

Canthigaster papua (Bleeker)

Tetrodon papua Bleeker. Six specimens, 1.25 to 3 inches, Agana, Guam, July 12, 1900. Seale (1901: 118-119).

C. papua syn. *Tetraodon papua* Bleeker. Herre (1953: 848).

FAMILY TETRAODONTIDAE
(Smooth Puffers)

Arothron immaculatus (Bloch and Schneider) [BUTETE]

One specimen, 235 mm. TL., Apra Harbor, August, 1966.

Arothron nigropunctatus (Bloch and Schneider) [BUTETE]

One specimen, 180 mm. TL., Ritidian, October 14, 1964.

One specimen, 200 mm. TL., Ipaio Beach, March, 1966.

Arothron hispidus (Lacepede) [BUTETE]

One specimen, 120 mm. TL., NCS Beach, January 7, 1963.

Arothron meleagris Bloch and Schneider [BUTETE]

One specimen, 151 mm. TL., NCS Beach, January 7, 1963.

Arothron stellatus (Bloch)

Tetrodon stellatus Bl. One specimen, 2.25 inches, Agana, Guam, June 12, 1900. Seale (1901: 119-120).

Tetrodon stellatus Schneider. One specimen, 140 mm., Guam. Fowler (1925: 25). Note: Both Seale and Fowler described their specimens as having longitudinal lines or bands on side of body. Woods and Schultz *In* Schultz *et al* (1966: 129) described *A. stellatus* as having head and body profusely covered with black spots or blotches. Smith (1953: pl.95) figured *A. stellatus* with black spots on body.

A. stellatus syn. *T. stellatus*. Munro (1955: 283).

Arothron reticularis (Bloch and Schneider)

Tetrodon reticularis Bl. One specimen, 1.50 inches, Agana, Guam, July 12, 1900. Seale (1901: 119).

A. reticularis syn. *T. reticularis*. Munro (1955: 284).

FAMILY DIODONTIDAE
(Spiny Puffers)

Diodon hystrix Linnaeus [BUTETEN TITUKA]

One specimen, 509 mm., Merizo, date unrecorded.

One specimen, 234 mm., Merizo, April 7, 1965.

FAMILY LAGOCEPHALIDAE

Lagocephalus lagocephalus (Linnaeus)

One specimen, 200 mm., Agana Boat Basin, August 5, 1965.

One specimen, 276 mm., Tamuning, September, 1965.

FAMILY ANTENNARIIDAE

(Frogfishes)

Antennarius altipinnus Smith and Radcliffe

One specimen, 13 mm., Guam, June 29 to July 7, 1949. Schultz *et al* (1966: 145).

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