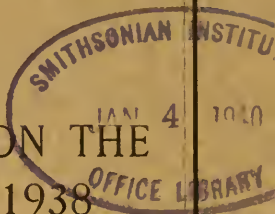


SMITHSONIAN MISCELLANEOUS COLLECTIONS

VOLUME 98, NUMBER 25

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PRESIDENTIAL CRUISE OF 1938



BY
WALDO L. SCHMITT
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U. S. National Museum



(PUBLICATION 3551)

CITY OF WASHINGTON
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This list comprises only those fishes collected on the Presidential Cruise of 1938 which have actually been incorporated in the study collections of the United States National Museum. President Roosevelt, himself an ardent fisherman and keen naturalist, was the principal contributor of the specimens listed. Not only did he obtain some rarities, but he also succeeded in establishing maximum weight records for two species: 20 pounds for the rainbow runner, *Elagatis bipinnulatus*, and 38 pounds for the blue crevally, *Caranx stellatus*. The President was most ably assisted by the members of his personal party: Frederick B. Adams; Basil O'Connor; Stephen T. Early, the President's Secretary; Capt. Ross T. McIntire, Medical Corps, U.S.N., Aide; Capt. D. J. Callaghan, U.S.N., Naval Aide; and Col. Edwin W. Watson, U.S.A., Military Aide. Dr. Schmitt, by invitation of the President, was naturalist to the expedition.¹

The officers and members of the crew of the U.S.S. *Houston*, on which the cruise was made, also collected many fishes, some of which are included in this list.

All specimens brought back to the Museum for its permanent collections were identified by Dr. Schultz and Earl D. Reid, senior scientific aid, Division of Fishes, National Museum. The authors wish to express their thanks to Mr. Reid for his cooperation, and they are grateful also for assistance rendered by Dr. S. F. Hildebrand and Isaac Ginsburg, both of the United States Bureau of Fisheries.

¹A first listing of the fishes taken on the Presidential Cruise, together with remarks upon certain of the specimens preserved and notes on others observed in the field but not saved, was published by Dr. Schmitt as an "Annotated List of the Fishes," appended to the "Log [of] The Cruise 1938," by Capt. D. J. Callaghan, U.S.N., Naval Aide to the President, with following title page: "The Inspection Cruise and Fishing Expedition of President Franklin D. Roosevelt on Board U.S.S. *Houston* 16 July 1938-9 August 1938." Privately printed and distributed during the month of November 1938.

The collection proved to be of great value, for it contained nine species not represented in the Museum's study collections. Two of these, *Pycnomma roosevelti* and *Garmannia gemmata*, were described as new by Mr. Ginsburg.²

Family DUSSUMIERIIDAE: Round herring

Etrumeus micropus Temminck and Schlegel

Galápagos Islands, South Seymour Island, picked up on beach at north end, plateau-land section of island, July 29, 1938. U.S.N.M. No. 107049. 2 specimens.

Family MURAENIDAE: Morays

Uropterygius necturus (Jordan and Gilbert)

Clipperton Island, shore rocks, July 21, 1939. U.S.N.M. No. 107047. 2 specimens.

Family FISTULARIDAE: Cornetfishes

Fistularia petimba Lacépède

Galápagos Islands, James Island, Sullivan Bay, shore and tide pools, 3:30 to 5:00 p.m., July 24, 1938. U.S.N.M. No. 109958. 1 skeleton.

Family MUGILIDAE: Mulletts

* **Mugil setosus** Gilbert

Mexico, Braithwaite Bay, Socorro Island, shore, July 20, 1938. U.S.N.M. No. 107050. 1 specimen.

Querimana curema (Cuvier and Valenciennes)

Galápagos Islands, Albemarle Island, off Tagus Cove, 11:00 p.m., dip net, electric light off gangway, July 25, 1938. U.S.N.M. No. 107051. 15 specimens.

Family SPHYRAENIDAE: Barracudas

Sphyraena idiaestes Heller and Snodgrass. Southern barracuda

Galápagos Islands, Albemarle Island, off Tagus Hill, July 25, 1938. U.S.N.M. No. 107052. 1 specimen.

² Smithsonian Misc. Coll., vol. 98, No. 14, pp. 1-5, May 31, 1939.

* New to U. S. National Museum Collections.

Galápagos Islands, Hood Island, July 28, 1938. U.S.N.M. No. 107053. 2 specimens.

Galápagos Islands, north end South Seymour Island, July 29, 1938. U.S.N.M. No. 107054. 3 specimens.

Family HOLOCENTRIDAE: Soldierfishes, squirrelfishes

Holocentrus vexillarius Poey

Caribbean Sea, Old Providence Island, shore, August 6, 1938. U.S.N.M. No. 107064. 2 specimens.

Family THUNNIDAE: Tunnies, albacores

Sarda velox Meek and Hildebrand. Mexican bonito

Galápagos Islands, July 24-30, 1938. U.S.N.M. No. 107055. 1 specimen.

Family KATSUWONIDAE: Victorfishes

Euthynnus lineatus Kishinouye. Black skipjack

Galápagos Islands, from off north end of South Seymour Island, July 29, 1938. U.S.N.M. No. 107057. 2 specimens.

Galápagos Islands, Hood Island, July 28, 1938. U.S.N.M. No. 107058. 1 specimen.

Euthynnus alletteratus (Rafinesque)

Galápagos Islands, Albemarle Island, Tagus Channel, July 25, 1938. U.S.N.M. No. 107056. 1 specimen.

First taken on the cruise in the Galápagos at three or more stops including Tagus Channel, and Sullivan Bay, James Island; the heaviest one caught weighed about 17 pounds. Although known from the warmer waters of the Pacific and Atlantic, these represent a first Galápagos record. There may be some question as to the identity of this species. Anatomically it seems to differ little from *Euthynnus lineatus* (Kishinouye), over which it may take precedence as the earlier named species. The color and color pattern of the two are very different and, if not due to variation, will serve for ready recognition of the two forms in the field. One specimen from Tagus Channel, Albemarle Island, July 25, 1938, was saved. The color and pattern of the markings on the back of this fish, at first glance appear very much like those of the Pacific mackerel as figured by Walford in color in his "Marine Game Fishes" (pl. 37, fig. b). Also the color note given by Hildebrand in Meek and Hildebrand, "The Marine Fishes of Panama," p. 311, 1923, appears to fit our specimen.

Family ACANTHOCYBIIDAE: Wahoo

*** *Acanthocybium solandri* (Cuvier and Valenciennes)**

Cocos Island, August 1, 1938. U.S.N.M. No. 107059. 1 specimen.
Galápagos Islands, Hood Island, July 28, 1938. U.S.N.M. No. 107060. 2 specimens.

The heaviest wahoo taken weighed 54 pounds and was caught at Hood by Colonel Watson the afternoon of July 28. "Gamest fish of trip. Red, or red and white feather is best lure."

Family CARANGIDAE: Pampanos

***Elagatis bipinnulatus* (Quoy and Gaimard).** Rainbow runner

Cocos Island, August 1, 1938. U.S.N.M. No. 107061. 1 specimen, weight 20 pounds.

Several specimens were taken at Cocos Island, August 1. The President got the heaviest one, which was saved; fresh weight 20 pounds, a record. Heretofore, the weight of this species has been given as "at least 12 pounds."

***Seriola mazatlana* Steindachner.** Mazatlan yellowtail

Galápagos Islands, Albemarle Island, Tagus Cove, July 25, 1938. U.S.N.M. No. 107062. 1 specimen.

*** *Seriola colburni* Evermann and Clark.** Pacific amberjack

Galápagos Islands, off Hood Island, July 28, 1939. U.S.N.M. No. 107063. 2 specimens.

Taken off Hood Island, July 28, and South Seymour, July 29. Heaviest about 28 pounds. The larger of the two Hood Island specimens saved weighed 24 pounds here at the Museum after having been pickled in formalin and then alcohol for some days. This appears to be the first definite record of this species from the Galápagos Islands.

***Caranx stellatus* Eydoux and Souleyet.** Blue crevally

Mexico, Lower California, off San José del Cabo Bay, from fishing banks, July 19, 1938. U.S.N.M. No. 107119. 1 specimen.

Taken off Cape San Lucas, Socorro and Cocos Islands. The heaviest of several specimens was caught by the President at Socorro, July 20. It weighed about 38 pounds, a record for the species. Heretofore, the weight of this species has merely been recorded as "more than 20 pounds."

* New to U. S. National Museum Collections.

Caranx marginatus Gill

Mexico, Socorro Island, July 20, 1938. U.S.N.M. No. 107185. 2 specimens.

Family SERRANIDAE: Groupers, sea basses

Epinephelus labriformis (Jenyns). Flag cabrilla

Galápagos Islands, James Island, Sulivan Bay, tide pools, July 24, 1938. U.S.N.M. No. 107067. 2 specimens.

Galápagos Islands, Charles Island, Post Office Bay, July 27, 1938. U.S.N.M. No. 107068. 1 specimen.

Mexico, Socorro Island, July 20, 1938. U.S.N.M. No. 107179. 1 specimen.

Epinephelus analogus Gill. Spotted cabrilla

Mexico, Socorro Island, July 20, 1938. U.S.N.M. No. 107070. 1 specimen.

Alphestes multiguttatus (Günther). Pacific guaseta

Galápagos Islands, James Island, Sulivan Bay, shore and tide pools, 3:30 to 5:00 p.m., tide beginning to run out, July 24, 1938. U.S.N.M. No. 107069. 1 specimen.

* **Mycteroperca jordani** (Jenkins and Evermann). Gulf grouper

Mexico, Lower California, off San José del Cabo Bay, July 19, 1938. U.S.N.M. No. 107065. 1 specimen, weight 20 pounds.

Mycteroperca olfax (Jenyns). Colorado grouper, golden grouper

Galápagos Islands, Albemarle Island, Elizabeth Bay, July 26, 1938. U.S.N.M. No. 107066. 1 specimen.

The yellow or golden grouper of the Galápagos Islands is but a color phase of the Colorado grouper. The heaviest, 19 pounds, was caught by Mr. Early at Sulivan Bay, James Island, July 24. Colonel Watson also caught one of this weight the day following off Tagus Cove, Albermarle Island. Two others were taken off Hood Island, July 28.

Cratinus agassizii Steindachner. Gray threadfin bass

Galápagos Islands, Albemarle Island, Elizabeth Bay, July 26, 1938. U.S.N.M. No. 107071. 4 specimens.

Galápagos Islands, Albermarle Island, off Tagus Cove, July 25, 1938. U.S.N.M. No. 107072. 1 specimen.

Galápagos Islands, Albemarle Island, Elizabeth Bay. U.S.N.M. No. 107120. 1 specimen.

* New to U. S. National Museum Collections.

A gray threadfin bass eaten by the President's Mess was pronounced "very good eating." This species was also found at South Seymour Island, July 29.

***Paranthias furcifer* (Cuvier and Valenciennes).** Southern creolefish

Galápagos Islands, Hood Island, Gardner Bay, July 28, 1938. U.S.N.M. No. 107073. 6 specimens.

***Paralabrax albomaculatus* (Jenyns).** White-spotted rock bass

Galápagos Islands, Albemarle Island, on west side, July 26, 1938. U.S.N.M. No. 107074. 1 specimen.

Galápagos Islands, Albemarle Island, Tagus Cove, July 25, 1938. U.S.N.M. No. 107075. 6 specimens.

Abundant on the west side of Albemarle Island, July 25 to 26; over a washtub full was taken on the second of the two days by members of the crew fishing over the side.

***Paralabrax clathratus* (Girard)**

Mexico, Cedros Island, July 17, 1938. U.S.N.M. No. 107186. 2 specimens.

Family LUTIANIDAE: Snappers

***Evoplites viridis* (Valenciennes).** Blue and gold snapper

Cocos Island, August 1, 1938. U.S.N.M. No. 107076. 2 specimens.

Family HAEMULIDAE: Grunts

***Orthopristis forbesi* Jordan and Starks in Gilbert**

Galápagos Islands, South Seymour Island, July 29, 1938. U.S.N.M. No. 107077. 1 specimen.

Family KYPHOSIDAE: Pilotfishes

* ***Doydixodon freminvillei* Valenciennes**

Galápagos Islands, James Island, Sullivan Bay, tide pool, July 24, 1938. U.S.N.M. No. 107078. 15 specimens.

Family POMACENTRIDAE: Damselfishes

***Pomacentrus leucurus* Gilbert**

Galápagos Islands, Narborough Island, shore, July 25, 1938. U.S.N.M. No. 107079. 2 specimens.

* New to U. S. National Museum Collections.

Galápagos Islands, Hood Island, Gardner Bay, inshore fishing, July 28, 1938. U.S.N.M. No. 107080. 1 specimen.

Galápagos Islands, James Island, Sullivan Bay, July 24, 1938. U.S.N.M. No. 107081. 2 specimens.

***Pomacentrus arcifrons* Heller and Snodgrass**

Galápagos Islands, James Island, Sullivan Bay, tide pool, July 24, 1938. U.S.N.M. No. 107082. 2 specimens.

Galápagos Islands, Charles Island, Post Office Bay, shore, July 27, 1938. U.S.N.M. No. 107083. 4 specimens.

***Eupomacentrus leucostictus* (Müller and Troschel)**

Caribbean Sea, Old Providence Island, reef and tide pool in forenoon, August 6, 1938. U.S.N.M. No. 107090. 13 specimens.

***Abudefduf saxatilis* (Linnaeus)**

Galápagos Islands, James Island, Sullivan Bay, tide pool, July 24, 1938. U.S.N.M. No. 107087. 27 specimens.

Caribbean Sea, Old Providence Island, shore, August 6, 1938, U.S.N.M. No. 107088. 4 specimens.

***Abudefduf analogus* (Gill)**

Galápagos Islands, James Island, Sullivan Bay, tide pools, July 24, 1938. U.S.N.M. No. 107089. 1 specimen.

*** *Nexilosus albemarleus* Heller and Snodgrass**

Galápagos Islands, Narborough Island, July 25, 1938. U.S.N.M. No. 107084. 1 specimen.

Galápagos Islands, Albemarle Island, Tagus Cove, July 25, 1938. U.S.N.M. No. 107085. 3 specimens.

***Azurina eupalama* Heller and Snodgrass**

Galápagos Islands, Hood Island, Gardner Bay, dip net, 11:00 p.m., off gangway at anchorage, July 27, 1938. U.S.N.M. No. 107086. 1 specimen.

Family SPARISOMIDAE: Parrotfishes

***Sparisoma rubripinne* (Cuvier and Valenciennes)**

Caribbean Sea, Old Providence Island, shore, August 6, 1938. U.S.N.M. No. 107092. 4 specimens.

* New to U. S. National Museum Collections.

***Sparisoma hoplomystax* (Cope)**

Caribbean Sea, Old Providence Island, dredge haul in 7 to 8 fathoms inside reef, Catalina Harbor, August 6, 1938. U.S.N.M. No. 107093. 1 specimen.

Family LABRIDAE: Wrasses. Lipped fishes

***Pimelometopon darwinnii* (Jenyns). Sheepshead**

Galápagos Islands, South Seymour Island, July 29, 1938. U.S.N.M. No. 107094. 1 specimen.

***Bodianus diplotaenia* (Gill)**

Cocos Island, August 1, 1938. U.S.N.M. No. 107095. 2 specimens.

***Thalassoma grammaticum* Gilbert**

Cocos Island, August 1, 1938. U.S.N.M. No. 107096. 2 specimens.

Family ACANTHURIDAE: Surgeonfishes

***Hepatus triostegus* (Linnaeus)**

Clipperton Island, July 21, 1938. U.S.N.M. No. 107098. 1 specimen.

Family ELEOTRIDAE: Sleepers, gobies

*** *Pycnomma roosevelti* Ginsburg**

Caribbean Sea, Old Providence Island, August 6, 1938. U.S.N.M. No. 108139, holotype; No. 107108, paratype. 2 specimens.

Family GOBIIDAE: Gobies

***Bathygobius lineatus* (Jenyns)**

Galápagos Islands, James Island, Sullivan Bay, tide pools, July 24, 1938. U.S.N.M. No. 107106. 24 specimens.

Galápagos Islands, Charles Island, Post Office Bay, July 27, 1938. U.S.N.M. No. 107121. 1 specimen.

***Bathygobius soporator* (Cuvier and Valenciennes)**

Caribbean Sea, Old Providence Island, shore, reef, and tide pools, August 6, 1938. U.S.N.M. No. 107107. 3 specimens.

*** *Garmania gemmata* Ginsburg**

Caribbean Sea, Old Providence Island, August 6, 1938. U.S.N.M. No. 107291, holotype; No. 107109, paratype. 2 specimens.

* New to U. S. National Museum Collections.

Family ECHENEIDIDAE: Remoras, sharkpilots

Echeneis remora Linnaeus

Cocos Island, August 2, 1938. U.S.N.M. No. 107117. 4 specimens.

Cocos Island, forenoon, August 3, 1938, taken from 116 pound sailfish. U.S.N.M. No. 107118. 2 specimens.

Family CLINIDAE: Southern blennies

Malacoctenus culebrae Evermann and Marsh

Caribbean Sea, Old Providence Island, shore, August 6, 1938. U.S.N.M. No. 107110. 2 specimens.

Malacoctenus zonogaster Heller and Snodgrass

Galápagos Islands, James Island, Sullivan Bay, tide pools, July 24, 1938. U.S.N.M. No. 107111. 8 specimens.

Malacoctenus bigutatus (Cope)

Caribbean Sea, Old Providence Island, shore, August 6, 1938. U.S.N.M. No. 107112. 1 specimen.

Labrisomus herminier (LeSueur)

Caribbean Sea, Old Providence Island, shore, August 6, 1938. U.S.N.M. No. 107113. 2 specimens.

Labrisomus nuchipinnis (Quoy and Gaimard)

Caribbean Sea, Old Providence Island, shore, August 6, 1938. U.S.N.M. No. 107114. 2 specimens.

Auchenistius stahli Evermann and Marsh

Caribbean Sea, Old Providence Island, shore, August 6, 1938. U.S.N.M. No. 107115. 5 specimens.

* **Auchenopterus fajardo** Evermann and Marsh

Caribbean Sea, Old Providence Island, shore, August 6, 1938. U.S.N.M. No. 107116. 3 specimens.

Family BALISTIDAE: Triggerfishes

Melichthys radula (Solander)

Clipperton Island, July 21, 1938. U.S.N.M. No. 107099. 3 specimens.

Cocos Island, at north end, August 1, 1938. U.S.N.M. No. 107100. 1 specimen.

* New to U. S. National Museum Collections.

The Clipperton Island specimens were caught by the President with trout hook and pole with bit of fish skin as bait, while they were schooling at the surface.

Family TETRAODONTIDAE: Puffers

Sphoeroides annulatus (Jenyns)

Galápagos Islands, Albemarle Island, Elizabeth Bay, July 26, 1938. U.S.N.M. No. 107101. 2 specimens.

Galápagos Islands, South Seymour Island, July 29, 1938. U.S.N.M. No. 107102. 1 specimen.

Tetraodon hispidus Linnaeus

Clipperton Island, shore, collecting on rocks, July 21, 1938. U.S.N.M. No. 107103. 1 specimen.

Family CANTHIGASTERIDAE: Sharp-nosed puffers

Canthigaster rostratus (Bloch)

Caribbean Sea, Old Providence Island, August 6, 1938. U.S.N.M. No. 107105. 1 specimen.