

# THE PHILIPPINE JOURNAL OF FISHERIES

---

VOL. 1

JULY-DECEMBER, 1951

No. 2

---

## A BIBLIOGRAPHY OF PHILIPPINE FISHES AND FISHERIES<sup>1</sup>

By GUILLERMO J. BLANCO and HERACLIO R. MONTALBAN  
*Of the Bureau of Fisheries  
Manila, Philippines*

Literature on Philippine fisheries is extensive and scattered. It covers various fields of fisheries science, such as technology, biology, planktology, algology, ichthyology, carcinology, conchology, and oceanography which have been investigated and studied by Filipino research workers and foreign scientists. The scientific papers prepared as a result of such investigations and studies were, therefore, published in this country and abroad. With the creation of the Philippine Bureau of Fisheries, the implementation of the Philippine Fishery Program under the United States Fish and Wildlife Service, the organization of the Fisheries Society of the Philippines, and the membership of the Philippine Republic in the Indo-Pacific Fisheries Council, there has developed a keen interest among our technical men to engage in fisheries research.

This bibliography will serve as a ready reference to these workers and to others who may be interested to have access to such publications. Although most of the publications in our private collections and in Government libraries have been lost as a consequence of World War II, we may recover some if not all of them through the use of this bibliography which contains references published as far back as 1865.

---

<sup>1</sup> Manuscript submitted to the 3rd Meeting, Indo-Pacific Fisheries Council at Madras, India, February 1-16, 1951.

- ABLAN, G. L.  
The diwal fishery of Occidental Negros. *Phil. Jour. Sci.* 66 (1938) 379-385.  
Two species of *Pinna*, apparently new to the Philippines. *Phil. Jour. Sci.* 66 (1938).  
The new Philippine gobioids. *Phil. Jour. Sci.* 70 (1940) 373-379.  
The commercial production of oysters in the Philippines. *Dept. Agri. Nat. Res. Pop. Bull.* No. 26 (1949).
- ABLAN, G. L., J. R. MONTILLA, and B. M. MARTIN.  
The salt-making industry of Northwestern Luzon. *Phil. Jour. Sci.* 27 (1940).
- ALBANG, LEANDRO.  
The corral method of fishing in the Ilocos. *Agricultural-Commercial-Industrial Life* 9 No. 3 (1947) 16.
- ADAMS, W., H. R. MONTALBAN, and C. MARTIN.  
Cultivation of bangos in the Philippines. *Phil. Jour. Sci.* 47 (1931) 1-38.
- AGCO, A.  
Philippine Coryphaenidae. *Phil. Jour. Sci.* 72 (1940) 318-817, pl. 1.
- ALDABA, V. C.  
Fishing methods in Laguna de Bay. *Phil. Jour. Sci.* 45 (1931).  
The kanduli fishery of Laguna de Bay. *Phil. Jour. Sci.* 45 (1931) 29-39.  
The dalag fishery of Laguna de Bay. *Phil. Jour. Sci.* 45 (1931) 41-59.  
Fishing methods in Manila Bay. *Phil. Jour. Sci.* 45 (1932) 405-425.
- ALONTE, F. H.  
Biology of *Vivipara angularis* Muller, A common fresh-water snail in Laguna de Bay. *Phil. Agri.* 19 (1930) 307-325.
- ANICETE, B.  
Pearl essence from some Philippine fishes. *U. P. Nat. and Appld. Sci. Bull.* 9 No. 1 (1949) 109-125.
- ARRIOLA, F. J.  
A preliminary study of the life history of *Scylla serrata* (Forskål). *Phil. Jour. Sci.* 73 (1940) 437-454.  
Notes on brackish-water fish farming in Luzon. *Phil. Jour. Sci.* 76 (1941) 105-119.
- ARRIOLA, F. J., and D. K. VILLALUZ.  
Snail fishing and duck raising in Laguna de Bay. *Phil. Jour. Sci.* 69 (1939) 173-190, figs. 1-4.
- AVERY, A. C.  
Cosmopolitan fish cookery for the Philippines. U. S. Information Service, American Embassy, Manila; Philippines (1949).

- Fish processing handbook for the Philippines. U.S. Fish and Wildlife Service. Research Report No. 26 (1950) 1-140.
- BALAGTAS, A. N.  
The chemical composition of Philippine fishes. *Phil. Agri.* 17 No. 5 (1928) 253-261.
- BARTACH, P.  
Contributions to the biology of the Philippines Archipelago and adjacent regions. The shipworms of the Philippines. *U. S. Nat. Mus. Bull.* 100 2 Part 2 (1927) 533-554.
- BEAUFORT, L. F. DE.  
Ambassidae from the Philippines. *Phil. Jour. Sci.* 49 (1932) 91-96.  
*Xenojulis*-A new genus of labroid fish. *Phil. Jour. Sci.* 69 (1939) 415-421.
- BELLOSILLO, G. C.  
Observation on the biology of *Macrocopta stratus* with special reference to artificial culture. *Phil. Jour. Sci.* 63 (1937) 307-349.
- BLANCO, G. J.  
The Atyidae of the Philippine Islands. *Phil. Jour. Sci.* 56 (1935) 29-39, Pls. 1-3, figs. 1-40.  
The development of the homocercal caudal of the blue perch, *Taeniotoca lateralis* Agassiz. *Phil. Jour. Sci.* 56 (1935) 41-45, pl. 1, figs. 1-10.  
Fisheries of Northeastern Luzon including the Babuyan and Batanes Islands. *Phil. Jour. Sci.* 66 (1938) 501-521, pls. 1-5.  
A new species of *Palaemon* from Northern Luzon. *Phil. Jour. Sci.* 67 (1938) 201-205, pl. 1, figs. 1-11.  
Early life history of the viviparous perch, *Taeniotoca lateralis* Agassiz. *Phil. Jour. Sci.* 67 (1938) 379-391.  
Two new decapods from the Philippines. *Phil. Jour. Sci.* 69 (1939) 167-171, pls. 1-2, 12 figs.  
Four new Philippine species of fresh-water shrimps of the genus *Caridina*. *Phil. Jour. Sci.* 70 (1939) 389-395, 3 pls., 27 figs.  
The artificial fertilization and embryology of *Mirogobius lacustris* Herre. *Phil. Jour. Sci.* 77 (1947) 83-87, pls. 1-2.  
The breeding activities and embryology of *Aplocheilus luzonensis* Herre and Ablan. *Phil. Jour. Sci.* 77 (1947) 89-93, pls. 1-3.  
Aquatic resources of the Philippines. Reprinted from Our Food Production Campaign, Dept. Agri. Nat. Res. (1949) 1-10.  
The juvenile of some marine species of fish of Northwestern Luzon, Philippines. *Dept. Agri. Nat. Res. Tech. Bull.* 20 (1950) 1-20, text figs. 1-21.
- BLANCO, G. J., and G. L. ABLAN.  
The Siamese fish has breeding habits all its own. *Agri. Life Mag.* 2 (1935) 19-20.

- A rare parasitic crab new to Pangasinan Province, Luzon. Phil. Jour. Sci. 70 (1930) 217-219, pl. 1, figs. 1-4.
- BLANCO, G. J., and FELIX J. ARRIOLA. Five species of shrimps of the genus *Penaeus*. Phil. Jour. Sci. 64 (1937) 219-227, pls. 1-3.
- BLANCO, G. J., D. K. VILLALUZ, and H. R. MONTALBAN. The cultivation and biology of oysters at Bacoor Bay, Luzon. Phil. Jour. Fish. 1 (1951) 35-53.
- BLANCO, G. J., and D. V. VILLADOLID. Fish fry industries of the Philippines. Phil. Jour. Sci. 69 (1939) 19-39.
- The young of some fishes of Luzon. Phil. Jour. Fish. 1 (1950) 67-93.
- BLEEKER, P. Notice sur quelques poissons de la baie de Manila. Ned. Tijdschr. Dierk. 2 (1865) 30-32.
- Revision des especes indo-archieplagiennes du groupe des Ephinephelini et de quelques genres voisins. Verh. Amsterdam 14 (1874) 1-134.
- Memoire sur les Chromides marine ou Pomacentroïdes de l'Inde archieplagique. Nat. Verh. Holl. Naatsch. Wetensch. 3 Verz. 2 No. 6 (1877) 1-66.
- BOULENGER, G. A. List of fresh-water fishes collected by Mr. A. Everett on Palawan and Balabac. Ann. and Mag. Nat. Hist. VI 15 (1895) 185-187.
- BUÑAG, D. M. Spawning habits of *Chanos chanos* (Forskål) based on the diameter measurements of the developing ovarian eggs. Indo-Pac. Fish. Coun. 3d Meet. Madras (1951). Tech. paper 16.
- A supplement to our knowledge of two Philippine lakes. Internationale Revue Der Gesamten Hydrobiologie und Hydrographie. Leipzig (1934).
- CARBINE, W. F. Bangos culture in the Philippines. Progressive Fish Culturist 10 No. 4 (1948) 187-197.
- CARPENTER, W. D. The milkfish or bangos, *Chanos chanos* (Forskål). Bureau of Education Bulletin, Manila, No. 28 (1908).
- CARTIER, O. Beschreibungen neuer Pharyngognathen: ein Beitrag zur Kenntnis der Fische des Philippinischen Archipels. Ver. Phys. Med. Wurzburg n. s 5 (1874) 96-106.
- CLAGUE, J. A. The marketing and processing of fish in the Philippines. Commercial Fisheries Review 10 No. 8 (1948) 2-16. Washington, D. C.

- CLAGUE, J. A., and C. ALMARIO. Bacteriological studies of Philippine fishery products. U. S. Fish and Wildlife Service. Research Report No. 27 (1950) 1-12.
- CLAGUE, J. A., and B. DATINGALING. Fishing gear preservatives for Philippine waters. U. S. Fish and Wildlife Service. Research Report 22 (1950) 1-23.
- COLET-VASQUEZ, A., and G. M. AFRICA. Determination of the piscine intermediate hosts of Philippine heterophyid trematodes by feeding experiments. Phil. Jour. Sci. 70 (1939) 201-215, pls. 1-4.
- COWLES, R. F. Palaemon of the Philippine Islands. Phil. Jour. Sci. 9 (1914) 319-403, pls. 1-3.
- The habits of some tropical crustacea. Phil. Jour. Sci. 8 (1913) 119-124.
- COX, A. J., and T. DAR JUAN. Salt industries and resources of the Philippine Islands. Phil. Jour. Sci. 10 (1915) 375-393.
- DAY, A. L. The osseous system of *Ophicephalus striatus* Bloch. Phil. Jour. Sci. 9 (1914a) 19-55, 19 pls.
- Two new cyprinoid fishes of the genus *Barbus* from Lake Mangao, Palawan, P. I. Phil. Jour. Sci. 9 No. 2 (1914) 187-193.
- Difficulties encountered in the culture of the bangos or milkfish in Zambales Province. Phil. Jour. Sci. 10 (1915) 307-317.
- DICKERSON, P. L., ELMER D. MERRILL, RICHARD C. McGREGOR, W. SCHULTZE, EDWARD H. TAYLOR, and ALBERT W. C. T. HERRE. Distribution of life in the Philippines. Phil. Bur. Sci. Mon. 21 (1928).
- DOMANTAY, J. S. Autotomy in holothurians. U. P. Nat. Appld. Sci. Bull. 1 No. 4 (1931).
- Littoral holothurioidea of Port Galera Bay and adjacent waters. U. P. Nat. and Appld. Sci. Bull. 3 No. 1 (1933).
- Development of the anchor and anchor-plate types of specimens of the synaptid *Polyplectana kefersteinii* (Salenka) and allied species. Phil. Jour. Sci. 52 (1933).
- Four additional species of littoral Holothurioidea of Puerto Galera Bay and adjacent waters. U. P. Nat. and Appld. Sci. Bull. 4 No. 1 (1934).
- The ecological distribution of the echinoderm fauna of the Puerto Galera Marine Biological Station. Nat. and Appld. Sci. Bull. 5 No. 4 (1936).
- The breeding of *Betta splendens*, a fighting fish. Phil. Jour. Sci. 58 (1936).
- An unusual bud due to heteromorphosis in *Echinaster luzonicus* (Gray). Phil. Jour. Sci. 64 (1937).

- Report on the marine fauna of the western part of Lingayen Gulf.  
Nat. Res. Coun. Phil. Bull. No. 22 (1938).
- Report on the marine fauna of Ulugan and St. Paul's Bays, Palawan.  
Nat. Res. Coun. Phil. Bull. No. 22 (1938).
- Note on the invertebrate fauna of Sakul Island Lagoon, Zamboanga.  
Phil. Jour. Sci. 65 (1938).
- Tuna canning in Zamboanga. Agri. and Industrial Monthly (1938) 23.
- Notes and observation on the effect of dynamite and other explosives on marine fauna and the determination of fishes caught by explosives. Nat. Res. Coun. Phil. Bull. No. 23 (1939).
- The fishing industry of Zamboanga. Phil. Jour. Sci. 71 (1940).
- The fishing industry of Margosatubig. Phil. Jour. Sci. 72 (1940).
- The catching of live baits for tuna fishing in Mindanao. Phil. Jour. Sci. 73 (1940).
- DOMANTAY, J. S., and H. A. ROXAS.  
The littoral asteroidea of Port Galera Bay and adjacent waters.  
Phil. Jour. Sci. 65 (1938).
- ELERA, FR. CASTOR DE.  
Catalogo sistemático de toda la fauna de Filipinas. Vertebrados 1 (1895) peces, 454-621.
- ESTAMPADOR, E. P.  
A checklist of Philippine crustacean decapods. Phil. Jour. Sci. 62 (1937) 46-559.  
Revision of the genus *Scylla* (Crustacea: Portunidae) I. Phil. Jour. Sci. 78 No. 1 (1949) 95-109.  
*Scylla* (Crustacea: Portunidae) II. Comparative studies on spermatogenesis and oogenesis. Phil. Jour. Sci. 78 No. 3 (1949) 301-353, pls. 1-14.
- ETORMA, S. D.  
Proximate chemical analysis of some Philippine shellfish. Phil. Agri. 17 (1928) 125-133.
- EVERMAN, BARTON W., and ALVIN SEALE.  
Fishes collected in the Philippine Islands by Maj. Edgar A. Mearns, U. S. Army. Proc. U. S. Nat. Mus. 31 (1907a) 505-512, figs. 1-4.
- EVERMAN, BARTON W.  
Fishes of the Philippine Islands. Bull. U. S. Bur. Fish. 26 (1907b) 49-110, 22 figs.
- FISHER, W. K.  
New genera of starfishes from the Philippine Islands. Proc. U. S. Nat. Mus. 40 (1911) 415-427.  
Four new genera and fifty-eight new species of starfishes from the Philippine Islands, Celebes, and the Mollucas. Proc. U. S. Nat. Mus. 43 (1913) 599-648.
- FLEMING, D. WM.  
The ultra-violet transmission of Philippine window shell. Phil. Jour. Sci. 42 (1930) 259-265.

- FOWLER, H. W.  
A list of Philippine fishes. Copeia (1918) 62-65.  
New and little known fishes from the Philippine Islands. Proc. Acad. Nat. Sci. Phila. 70 (1919) 2-71.  
Notes on the Philippine fishes in the collection of the Academy. Proc. Acad. Nat. Sci. Phila. 79 (1927) 255-297.  
Contributions to the biology of the Philippine Archipelago and adjacent regions. The fishes of the families Pseudochromidae, Lobotidae, Pompheridae, Priacanthidae, Lutjanidae, Pomadasidae, and Theraponidae, collected by the U. S. Bur. Fisheries steamer "Albatross" chiefly in Philippine seas and adjacent waters. Bull. U. S. Nat. Mus. 100 11 (1931a).  
Contributions to the biology of the Philippine Archipelago and adjacent regions. The fishes of the families Banjosidae, Lothrinidae, Sparidae, Girellidae, Kyphosidae, Oplegnathidae, Gerridae, Mullidae, Emmelichthyidae, Sciaenidae, Sillaginidae, Arripidae, and Enoplosidae collected by the U. S. Bur. Fisheries steamer "Albatross", chiefly in Philippine seas and adjacent waters. U. S. Nat. Mus. Bull. 100 12 (1932a).  
Descriptions of new fishes obtained in 1907 to 1910, chiefly in the Philippine Islands and adjacent seas. Proc. Acad. Nat. Sci. Phila. 85 (1933b) 233-267.  
New fishes of the family Callionymidae. Mostly Philippine, obtained by the United States Bureau of Fisheries steamer "Albatross". Proc. U. S. Nat. Mus. 90 (1941) 1-31.  
Contribution to the biology of the Philippine Archipelago and adjacent regions. Descriptions and figures of new fishes obtained in Philippine seas and adjacent waters by the U. S. Bureau of Fisheries steamer "Albatross". U. S. Nat. Mus. Bull. 100 14 (1943) 53-89.
- FOWLER, H. W., and B. A. BEAN.  
Fishes from Formosa and the Philippine Islands. Proc. U. S. Nat. Mus. 62 (1923) 1-73.  
Contributions to the biology of the Philippine Archipelago and adjacent regions. The fishes of the Families Pomacentridae, Labridae and Calyodontidae, collected by the U. S. Bur. of Fisheries steamer "Albatross", chiefly in Philippine seas and adjacent waters. Bull. U. S. Nat. Mus. 100 7 (1928).  
Contributions to the biology of the Philippine Archipelago and adjacent regions. The fishes of the series Caprifomes, Ephippiformes and Squamipennes, collected by the United States Bureau of Fisheries steamer "Albatross", chiefly in Philippine seas and adjacent waters. U. S. Nat. Mus. Bull. 100 8 (1929).  
Contributions to the biology of the Philippine Archipelago and adjacent regions. The fishes of the families Amiidæ, Chaneidæ, Duvideidæ, and Serranidæ, obtained by the U. S. Bur. Fisheries steamer "Albatross", in 1907 to 1910, chiefly in the Philippine Islands and adjacent seas. Bull. U. S. Nat. Mus. 100 10 (1930).

FREY, D.

The pond fisheries of the Philippines. Sears Foundation of Marine Research 4 No. 3 (1947) 247-258.

GILBERT, C. H., and C. L. HUBBS.

Contributions to the biology of the Philippine Archipelago and adjacent regions. The macrouroid fishes of the Philippine Islands and East Indies. U. S. Nat. Mus. Bull. 100 7 (1920) 369-588.

GÜNTHER, A.

Notice of some species of fishes from the Philippine Islands. Ann. and Mag. Nat. Hist. IV 10 (1872) 397-399.

HAMM, W. S.

Purer salt for the Philippines. Special Bull. Phil. Inst. Sci. (1949). Proximate analysis of Philippine fishery products. Submitted for publication April, 1950. Philippine Fishery Program, U. S. Fish and Wildlife Service.

Liver oil properties of Philippine sharks and rays. U. S. Fish and Wildlife Service. Research report No. 23 (1950) 1-5.

HAMM, W. S., and J. A. CLAGUE.

Temperature and salt purity effect on the manufacture of fish paste and sauce. U. S. Fish and Wildlife Service. Research report No. 24 (1950) 1-11.

HAMM, W. S., and A. C. AVERY.

Philippine solar salt industry. Phil. Jour. Sci. 78 (1949) 85-93.

Canned smoked oysters. A description of a processing procedure applicable to Philippine oyster. Mimeographed (1948). Philippine Fishery Program, U. S. Fish and Wildlife Service.

HERALD, E. S.

Notes on the effect of aircraft distributed DDT-oil spray upon certain Philippine fishes. The Journal of Wildlife Management 13 No. 3 (1949) 316-318.

Pipe fishes and seahorse as food for tuna. California Fish and Game 35 No. 4 (1949).

Pseudofins on the caudal peduncle of juvenile scombrids. California Fish and Game 37 No. 3 (1951) 335-337.

HERRE, A. W. C. T.

Aquatic resources of the Philippines. American Chamber of Commerce Journal, Manila 1 (1921) 11-12.

Fishes why study them. The Scientific Monthly 14 (1922) 540-547. Fishing—The step-child of the Philippines. Manila Times (March 11, 1923).

Notes on Philippine sharks, Part I. Phil. Jour. Sci. 23 (1923) 67-75, pl. 1.

The Philippines as an ideal site for a biological station. The Scientific Monthly 17 (1923) 206-215.

A review of the eels of the Philippine Archipelago. Phil. Jour. Sci. 23 (1923) 123-236, 11 pls. and 14 text figs.

The distribution of true fresh-water fishes in the Philippines and its significance. Proc. Pan-Pac. Sci. Congress, Melbourne, Australia 2 (1923) 1561-1570.

Some rare Philippine eels. Phil. Jour. Sci. 24 (1924) 107-111.

Distribution of the true fresh-water fishes in the Philippines, Part I. The Philippine Cyprinidae. Phil. Jour. Sci. 24 (1924) 249-307, 2 pls.

Distribution of true fresh-water fishes in the Philippines, Part II. The Philippine Labyrinthici, Clariidae, and Siluridae. Phil. Jour. Sci. 24 (1924) 683-707, 2 pls.

The distribution of true fresh-water fishes in the Philippines. Proc. Pan-Pac. Sci. Congress, Sydney, Australia 2 (1924) 1568.

Poisonous and worthless fishes. An account of the Philippine plecognaths. Phil. Jour. Sci. 25 (1924).

Notes on Philippine sharks, Part II. The great white shark, the whale shark and the cat shark and their allies in the Philippines. Phil. Jour. Sci. 26 (1925) 113-129, 1 pl.

A new species of cardinal fish from the Philippines. Phil. Jour. Sci. 26 (1925) 341-343, 1 pl.

A supplement to poisonous and worthless fishes. Phil. Jour. Sci. 27 (1925) 167-168.

A new Philippine sea robin, family Peristediidae. Phil. Jour. Sci. 27 (1925) 291-295, 1 pl.

Two strange new fishes from Luzon. Phil. Jour. Sci. 27 (1925) 507-513, 2 pls.

Two new fishes from Lake Lanao. Phil. Jour. Sci. 29 (1926) 499-503, 2 pls.

Four rare Philippine fishes. Phil. Jour. Sci. 31 (1926) 217-227, 1 pl., 1 text fig.

A summary of the Philippine catfishes, order Nematognathi. Phil. Jour. Sci. 31 (1926) 386-413, 1 pl.

Four new Philippine fishes. Phil. Jour. Sci. 31 (1926) 533-543, 3 pls.

Philippine fisheries. Mid-Pacific Magazine, Honolulu 32 (1926) 217-230.

Pearl, shell, and fish resources of Sulu. American Chamber of Commerce Journal, Manila 1 (1927) 6-8.

A new genus and three new species of Philippine fishes. Phil. Jour. Sci. 32 (1927) 413-419, 2 pls.

Fishery resources of the Philippines. Phil. Bur. Sci. Pop. 3 (1927) 1-74, 40 pls., 20 pls.

Four new fishes from Lake Taal (Bombon). Phil. Jour. Sci. 34 (1927) 273-279, 3 pls.

The Philippine band fishes. Phil. Jour. Sci. 34 (1927) 281-285, 1 pl.

The fisheries of Lake Bombon and Lake Naujan. Phil. Jour. Sci. 34 (1927) 287-306, 9 pls.

Philippine surgeon fishes and moorish idols. Phil. Jour. Sci. 34 (1927) 403-478, 16 pls., 5 colored, 2 text figs.

Carp in the Philippines. Ling Nan Sci. Jour. 5 (1927) 269-270.

The gobies of the Philippines and China Sea. Phil. Bur. Sci. Mon. 23 (1927) 1-352, 36 pls. 4 colored.

- Three new Philippine fishes. Phil. Jour. Sci. 35 (1926) 31-37, 3 pls. International cooperation in the investigations of pelagic fish eggs and larvæ. Proc. Third Pan-Pac. Sci. Congress, Tokyo (1926) 1072-1074.
- Philippine fisheries. Proc. Third Pan-Pac. Sci. Congress, Tokyo (1926) 2174-2203.
- Rational methods for the protection of useful aquatic animals. Proc. Third Pan-Pacific Sci. Congress, Tokyo (1928) 1072-1074.
- Philippine gobies. Proc. Third Pan-Pac. Sci. Congress, Tokyo (1928) 2257-2258.
- An American cyprinodont in Philippine salt ponds. Phil. Jour. Sci. 38 (1929) 121-127, 3 pls.
- Description of a new Philippine shark. Phil. Jour. Sci. 40 (1929) 231.
- The smallest living vertebrate. Science 69 (1929) 329-330.
- Notes upon *Datnia plumbea*. Copeia No. 3 (1930) 76-77.
- Heterocoger polyzona* in the Philippines. Copeia No. 4 (1930) 75-76.
- Notes upon Philippine sharks, III. Copeia No. 4 (1930) 141-144.
- Busuanga* Herre, a new genus. Science 71 (1930) 132.
- A thousand fish for breakfast. Philippine Magazine 28 No. 2 (1931) 85-86.
- The Manila Aquarium. Philippine Magazine 27 (1931).
- Five new Philippine fishes. Copeia No. 3 (1932) 139-142.
- Twelve new Philippine fishes. Copeia No. 1 (1933) 17-25.
- On the genera *Ctenogobius* and *Rhinogobius* Gill, *Tukugobius* Herre, and *Drombus* Jordan and Seale. Science 78 (1933) 265.
- The fishes of Lake Lanao: A problem in evolution. The American Naturalist 67 (1933) 54-162.
- A check list of fishes from Dumaguete, Oriental Negros, Philippine Islands. Jour. Pan-Pac. Res. Inst. 8 (1933) 6-11.
- The fishes of the Herre Philippine Expedition of 1931. Privately published by the author, Hongkong (1934) 106.
- Some Philippine fresh-water aquarium fish. Aquarium Jour. 8 No. 4 (1935) 64-65.
- Philippine fish tales. Oriental Commercial Co., Manila (1935) 302, 3 col. pls. and many illustrations.
- Note on the goby *Biat luzonicus*. Copeia (1935) 140.
- Notes on fishes in the Zoological Museum of Stanford University, VI: New and rare Hongkong fishes. Hongkong Naturalist 6 (1935) 285-293.
- Fishes in the Zoological Museum of Stanford University, III: New genera and species of gobies and blennies and a new *Myxus* from the Pelew Islands and Celebes. Phil. Jour. Sci. 59 (1936) 275-287.
- Notes on fishes in the Zoological Museum of Stanford University, V: New or rare Philippine fishes from the Herre 1933 Philippine Expedition.

- Notes on fishes in the Zoological Museum of Stanford University, IV: A new catostomid from Mexico and a new callionymid from Celebes and the Philippines. Proc. Biol. Soc. Wash. 49 (1936) 11-14.
- Fishes of the Crane Pacific Expedition. Field Mus. Nat. Hist. Zool. Series 21 (1936) 1-472, 50 pls.
- Luzoneleotris*, a new genus of eleotrid fishes from Luzon. Stanford Ichth. Bull. 1 (1938) 59-60.
- Stories of Philippine fishes. Oriental Commercial Co., Manila (1938) 288, with colored frontispiece and many illustrations.
- The genera of Phallostethidae. Proc. Biol. Soc. Wash. 52 (1939) 139-144.
- The Philippine blennies. Phil. Jour. Sci. 70 (December, 1939) 315-373, 5 pls.
- A new Henicichthys from the Philippines. Copeia No. 4 (1939) 199-200.
- Distribution of fish in the tropical Pacific. Proc. Seventh Pan-Pac. Sci. Congress (1939) 587-592.
- Manacopus*, a new name for a genus of Phallostethidae. Copeia, No. 2 (1940) 141.
- Distribution of fresh-water fishes in the Indo-Pacific. Scientific Monthly 51 (1940) 165-168.
- Notes on fishes in the Zoological Museum of Stanford University, VII: New and rare Philippine gobies from the Herre 1936-37 Oriental Expedition and in the collections of the Bureau of Science. Phil. Jour. Sci. 72 (1940) 357-369, 6 pls.
- The Fisheries Departments of the Philippines and Malaya, with comments on the needs of Bengal and India. Science and Culture, Calcutta 6 (1941) 629-634.
- Notes on Philippine sea snakes. Copeia (1942) 7-9.
- Notes on fishes in the Zoological Museum of Stanford University, IX: A new species of *Salarias*, with a key to the Philippine species. Proc. Biol. Soc. Wash. 55 (1942) 1-9.
- Notes on fishes in the Zoological Museum of Stanford University, X: Two new species of *Petroscirtes* and a key to the Philippine species. Copeia No. 2 (1942) 111-116.
- The whale shark in the Philippines. Scientific Monthly 55 (1942) 151-158.
- Bunaka sticta*. A new Philippine eleotrid fish. Stanford Ichth. Bull. 2 No. 4 (1942) 119-120.
- A new genus and species of Gobiesocidae from the Philippines. Stanford Ichth. Bull. 2 No. 4 (1942) 120-122.
- New and little known Phallostethidae, with keys to the genera and Philippine species. Stanford Ichth. Bull. 2 No. 5 (1942) 137-156.
- Notes on fishes in the Zoological Museum of Stanford University, XI: The new genera and species, with key to the genera of gobies with vomerine teeth. Proc. Biol. Soc. Wash. 56 (1943) 91-96.
- A new Philippine apogonid, with notes on some rare species. Notes XIII. Copeia No. 4 (1943) 216-218.

- Notes on fishes in the Zoological Museum of Stanford University, XVI: A new species of sand-diver, with notes on some rare gobioid fishes. *Proc. Biol. Soc. Wash.* 57 (1944) 5-11.
- A review of the half-beak or Hemiramphidae of the Philippines and adjacent waters. *Stanford Univ. Pub. Univ. Ser., Biol. Sci.* 9 No. 2 (1944) 41-86.
- Notes on fishes in the Zoological Museum of Stanford University, XV: Two new minute gobies of the genus *Mistichthys* from the Philippines. *Proc. Biol. Soc. Wash.* 57 (1944) 107-112.
- Notes on fishes in the Zoological Museum of Stanford University, XIV: A new genus and three new species of gobies from the Philippines.
- Notes on fishes in the Zoological Museum of Stanford University, XVIII: Two new species of *Tamanka*, with a key to the species from the Philippines and China. *Proc. Biol. Soc. Wash.* 58 (1945) 73-76.
- Notes on fishes in the Zoological Museum of Stanford University, XIX: Two new Philippine gobies, with key to the genera of gobies with vomerine teeth. *Proc. Biol. Soc. Wash.* 58 (1945) 77-82.
- Notes on fishes in the Zoological Museum of Stanford University, XII: Two new genera and four new gobies from the Philippines and India. *Copeia No. 1* (1945) 1-5.
- Philippine fisheries and their possibilities. *Far Eastern Quarterly* (February, 1945) 158-162.
- Additions to the fish fauna of the Philippines. *Copeia No. 3* (1945) 146-149.
- Research on fish and fisheries in the Indo-Australian Archipelago. Science and Scientists in the Netherlands Indies. *Natuurwetenschappelijk Tijdschrift Voor Nederlandsch Indië* 102 Special Supplement (1945) 167-175.
- International aspects of the protection of coastal fisheries a review of S. K. Rissenfeld, 1942, protection of coastal fisheries under international law, p. 296—Carnegie Endowm. for Internat. Peace. In science and scientist in the Netherlands Indies (1945) 475-477. Opportunity in Philippine fisheries. *Amer. Chamber Com. Jour. Manila* 24 No. 5 (1948) 156-158.
- HERRE, A. W. C. T., and E. S. HERALD.
- New and noteworthy Philippine fishes. Submitted for publication September, 1948. Philippine Fishery Program, U. S. Fish and Wildlife Service.
- HERRE, A. W. C. T., and J. MENDOZA.
- Baños culture in the Philippine Islands. *Phil. Jour. Sci.* 38 (1928) 451-509, 16 pls., 6 text figs.
- HERRE, A. W. C. T., and H. R. MONTALBAN.
- The Philippine species of Kuhliidae. *Phil. Jour. Sci.* 33 (1927) 199-209, 1 pl.
- Philippine sparoid and rudder fishes. *Phil. Jour. Sci.* 33 (1927) 297-493, 9 pls.
- Philippine butterfly fishes and their allies. *Phil. Jour. Sci.* 34 (1927) 1-113, 24 pls., 13 colored.

- The Philippine siganids. *Phil. Jour. Sci.* 35 (1928) 151-185, 6 pls.
- The goatfishes or Mullidae of the Philippines. *Phil. Jour. Sci.* 36 (1928) 95-137.
- Philippine gars or needle fishes. *Phil. Jour. Sci.* 36 (1928) 215-233.
- HERRE, A. W. C. T., and D. S. RABOR.
- Notes on Philippine sea snakes of the genus *Laticula*. *Copeia No. 4* (1949) 282-284.
- HERRE, A. W. C. T., and A. F. UMALI.
- English and local names of Philippine fishes. *Philippine Fishery Program*, U. S. Wildlife Service Circular 14 (1948).
- Checklist of Philippine fishes. Submitted for publication (1948) *Philippine Fishery Program*, U. S. Fish and Wildlife.
- HINKLE, H. B.
- A report on the manning of vessels engaged in the fisheries of the Philippines. *U. S. Fish and Wildlife Service, Philippine Fishery Program* (1949) 1-12.
- A report on factors affecting the cost of ice in the Philippines. *U. S. Fish and Wildlife Service, Philippine Fishery Program* (1949) 1-26.
- A report on the capture, transportation and marketing of live spiny lobster in the Philippines. *U. S. Fish and Wildlife Service, Philippine Fishery Program* (1950).
- JORDAN, D. S., and ALVIN SEAL.
- List of fishes collected by Dr. Bashford Dean on the Islands of Negros, Philippines. *Proc. U. S. Nat. Mus.* 28 (1905) 700-803.
- Fishes of the Islands of Luzon and Panay. *Bull. Bur. Fish.* 26 (1906) 1-48.
- JORDAN, D. S., and R. H. RICHARDSON.
- Fishes from Islands of Philippine Archipelago. *Bull. U. S. Bur. Fish.* 27 (1908) 235-287.
- Checklist of the species of fishes known from the Philippine Archipelago. *Bur. Sci. Pub. 1* (1910).
- KAUFFMAN, D. K.
- Notes on the biology of the tiger shark from Philippine waters. In press. Philippine Fishery Program. U. S. Fish and Wildlife Service.
- KESTEVEN, G. L.
- Fisheries of the Philippine Commonwealth with analysis and suggestions for rehabilitation and a future program. Mimeographed (1945) 31.
- LIGHT, S. F.
- Notes on Philippine Alcyonaria: Part I. The Philippine species of the genus *Comperella*. *Phil. Jour. Sci.* 8 (1913) 435-452.
- Notes on Philippine Alcyonaria: Part II. *Lemmaloides kiukenthali*, a new genus and species of Alcyonaria from the Philippines, and a

- discussion of the systematic position of the new genus. *Phil. Jour. Sci.* 9 No. 3 (1914) 233-247.
- Another dangerous jellyfish in Philippine waters. *Phil. Jour. Sci.* 9 (1914) 291-295.
- Some Philippine Scyphomedusae, including two genera, five new species and one new variety. *Phil. Jour. Sci.* 9 (1914) 195-233.
- Notes on Philippine Alcyonaria: Part III. Two new species of *Lithophytum* Forskal from the Philippines. *Phil. Jour. Sci.* 10 (1915) 1-8.
- Notes on Philippine Alcyonaria: Part IV. Notes on Philippine Stolonifera and Xeniidæ. *Phil. Jour. Sci.* 10 No. 2 (1915) 153-167.
- Notes on Philippine Alcyonaria: Part V. *Cornularia minuta*, a new species. *Phil. Jour. Sci.* 10 (1915) 203.
- Further notes on Philippine Scyphomedusæ jelly fishes. *Phil. Jour. Sci.* 18 (1921).
- MADERAZO, C. Y.**  
A guide to the recognition of fishes caught with the use of explosives. *Phil. Jour. Fish.* 1 (1951) 95-97.
- MAMON, C. T.**  
A biochemical analysis of kanduli (*Arius* sp.) at different ages. *Phil. Agri.* 25 No. 9 (1937) 761-769.
- MANACOP, P. R.**  
A new Phalostethidae fish, with notes on its early development. *Phil. Jour. Sci.* 59 (1936) 375-381.
- The sexual maturity of some commercial fishes caught in Manila Bay. *Phil. Jour. Sci.* 59 (1936) 383-391.
- The artificial fertilization of dangit, *Amphacanthus oramin* (Bloch and Schneider). *Phil. Jour. Sci.* 62 (1937) 229-237.
- The fisheries of Lake Mainit and of Northeastern Surigao, including the Islands of Dinagat and Siargao. *Phil. Jour. Sci.* 64 (1938) 341-357, pl. 1.
- The life history and habits of the goby, *Sicyopterus extraneus* Herre (Anga) Gobiidae, with an account of the goby fry fishery of Cagayan River, Oriental Misamis Province, Mindanao, Philippines. (A thesis submitted to the School of Biological Science and the Committee on graduate study of Leland Stanford Junior University in partial fulfillment of the requirements for the Degree of Master of Arts, 1941. Submitted for publication in the Philippine Journal of Fisheries.)
- The future of the trawling industry in the Philippines. *Bull. Fish. Soc. Phil.* 1 (1951).

**MANE, A. M.**

- Preliminary study of the life history and habits of kanduli (*Arius* sp.) in Laguna de Bay, Philippines. *Agri.* 18 No. 2 (1929) 21-117.
- Spawning and feeding habits of ayungin, *Misopristes plumbea* Kner. A Common Theraponid in Laguna de Bay. *Phil. Agri.* 23 No. 6 (1937) 502-513.

- MANE, A. M., and D. K. VILLALUZ.**  
The pukot fisheries of Laguna de Bay. *Phil. Jour. Sci.* 69 (1939) 397-413.

- MANE, A. M., and MARIANO A. ABAGON.**  
A survey of fisheries educational institutions. *Bull. Fish. Soc. Phil.* 1 (1950) 20-26.

- MANN, A.**  
Contributions to the biology of the Philippine Archipelago and adjacent regions. Marine diatoms of the Philippines. U. S. Nat. Mus. Bull. 100 part 1 (1925) 1-82, pls. 1-39.

- MARTIN, C.**  
Methods of smoking fish around Manila Bay. *Phil. Jour. Sci.* 55 (1934) 79-89.

- The catching of alamang (*Palaemonetes* sp.) in Bulacan, Bulacan, with special reference to the destructive method. *Nat. Res. Coun. Phil. Bull.* No. 9 (1935) 13, abstract.

- The fisheries of the provinces of Oriental Negros, Cebu and Bohol. *Nat. Res. Coun. Phil. Bull.* No. 19 (1938) 121-122.

- Tuna fishery and longline fishing in Davao Gulf. *Phil. Jour. Sci.* 67 (1938) 189-199, pls. 1-7, text figs. 1-2.

- The flying-fish of the northwestern and southwestern coast of Cebu. *Phil. Jour. Sci.* 27 (1939) 177-187.

- Two rare Philippine fishes. *Phil. Jour. Sci.* 66 (1939) 387-389, pl. 1. Notes on experimental canning of fish at the Fish Preservation Station in Estancia, Iloilo Province. *Dept. Agri. Nat. Res. Pop. Bull.* No. 28 (1949).

- MARTIN, C., and H. R. MONTALBAN.**  
Philippine Sillaginidae. *Phil. Jour. Sci.* 55 (1934) 221-229.  
Philippine Parapercidae. *Phil. Jour. Sci.* 67 (1938) 189.

- MARTIN, C., and H. E. WARFEL.**  
Outlook for Industrialization of the Philippine Fisheries. *Phil. Jour. Fish.* 1 (1951) 99-103.

- MEGIA, TEODORO G., and ALFONSO R. SEBASTIAN.**  
Some outstanding problems of the oceanography of Philippine waters. *Bull. Fish. Soc. Phil.* 1 (1950) 47-51.

- MONO, A. M., and A. M. MANE.**  
Biology of cohoh (*Ampullaria luzonica* Reeve), a common Philippine fresh-water snail. *Phil. Agri.* 19 No. 10 (1931) 675-695.

- MONTALBAN, H. R.**  
Pomacentridæ of the Philippine Islands. *Phil. Bur. Sci. Mon.* No. 24 (1928) 55 pp.

- A chaetodont new to the Philippines. *Phil. Jour. Sci.* 41 (1930) 283-285.

- Investigation on fish preservation at Estancia, Panay, Philippine Islands. *Phil. Jour. Sci.* 42 (1930) 309-335.

An investigation of the comparative loss of weight of the brine cured, pickled cured and kench cured fish. *Jour. Pacif. Res. Inst.* 5 (1930) 2-14.

MONTALBAN, H. R., and C. MARTIN.

Two Japanese fishing methods used by Japanese in Philippine waters. *Phil. Jour. Sci.* 42 (1930) 465-480.

MONTEMAYOR, Z.

Mangabol fisheries of Bayambang, Pangasinan. *Phil. Agri.* 18 No. 2 (1927) 73-79.

MONTILLA, J. R.

The ipon fisheries of Northern Luzon. *Phil. Jour. Sci.* 45 (1931) 61-74.

A second record of a Solostomidae from the Philippines. *Phil. Jour. Sci.* 53 (1934) 391-392.

A review of Philippine Menidae and Gerridae. *Phil. Jour. Sci.* 58 (1935) 281-297.

A review of Philippine Holocentridae. *Phil. Jour. Sci.* 67 (1938) 207-229, pls. 1-5.

MORTENSEN, T.

Contributions to the biology of the Philippine Archipelago and adjacent regions. Report on the Echinoidea collected by the United States steamer "Albatross" during the Philippine Expedition, 1907-1910. Part 2: The Echinothuridae, Saleniidae, Arbaciidae, Aspidodiadematidae, Micropygidiae, Diadematidae, Pedinidae, Temnopleuridae, Toxopneustidae, and Echinometridae. *Bull. 100* 14 Part 1 (1940) U. S. Nat. Mus., iv p'us 52 pp., 3 text figs., 1 pl.

MYERS, GEORGE S.

A new gonostomatid fish, *Neophos rexilis* from the Philippines. *Copeia* No. 2 (July, 1932) 81.

A new osustonid fish from deep water off the Philippines. *Proc. Biol. Soc. Wash.* 52 (1939) 19-22.

NAVARRO, OLIMPIA B.

Availability of calcium in bagoong and dilis. *Bull. Fish Soc. Phil.* 1 (1950) 38-46.

PEDERSEN, P. K. (Revised by Leroy S. Christey).

Otter trawling. A general description of the otter trawl and its application to the Philippine fisheries. Mimeographed. Philippine Fishery Program, U. S. Fish and Wildlife Service (1948).

RABANAL, H. R.

The culture of lablab, the natural food of the milkfish fry and fingerlings under cultivation. *Dept. Agri. Nat. Res. Tech. Bull.* No. 18 (1949) 3-9.

Pond culture of warm water fishes (With special reference to bangos or milkfish cultivation under Philippine conditions). *Proc. U. N. Sci. Conf. Com. Ut. Res.* 7 (1951) 142-145.

The Dagatdagatan Salt-water Fishery Experimental Station. *Bull. Fish. Soc. Phil.* 1 (1950) 67-69.

RABANAL, H. R., H. R. MONTALBAN, and D. K. VILLALUZ.

The preparation and management of the bangos fishpond nursery in the Philippines. Submitted for publication June 5, 1950 in Philippine Journal of Fisheries.

RABOR, D. S.

Studies on the anatomy of the bangos, *Chanos chanos* (Forskål). *Phil. Jour. Sci.* 67 (1938) 351-377, pls. 1-4.

RADCLIFFE, L.

Notes on some fishes of the genus *Amia*, family Cheilodipteridae, with description of four new species from the Philippines. *Proc. U. S. Nat. Mus.* 41 (1912a) 245-261.

Descriptions of fifteen new species of the family Cheilodipteridae from the Philippine Islands and contiguous waters. *Proc. U. S. Nat. Mus.* 41 (1912a) 431-446.

New pediculate fishes from the Philippine Islands and contiguous waters. *Proc. U. S. Nat. Mus.* 42 (1912c) 199-214.

Descriptions of a new family, two new genera, and twenty-nine species of anacanthine fishes from the Philippine Islands and contiguous waters. *Proc. U. S. Nat. Mus.* 43 (1913a) 105-140.

Descriptions of seven new genera and thirty-one new species of fishes of the families Brotulidae and Carapidae from the Philippine Islands and the Dutch East Indies. *Proc. U. S. Nat. Mus.* 44 (1913b) 135-176.

RASALAN, S. B.

Si-si fishery of Samar, Philippine Islands. *Phil. Jour. Sci.* 64 (1937). Methods of preserving fishing appliances in Samar Province. *Phil. Jour. Sci.* 73 (1940).

New methods of fish capture in the Philippines. *Bull. Fish. Soc. Phil.* 1 (1950) 57-66.

RASALAN, S. B., and D. V. VILLADOLID.

The basnig, a bag net for pelagic fishing in the Philippines. Dept. of Agriculture and Natural Resources, Manila, Philippines. Tech. Bull. 21. In press.

RONQUILLO, INOCENCIO A.

Anatomical evidences in cases of fish killed by explosives. *Bull. Fish. Soc. Phil.* 1 (1950) 52-56.

ROSELL, D. Z., and A. S. ARGUELLES.

Soil types and growth of algae in bangos fishponds. *Phil. Jour. Sci.* 61 (1936) 1-7.

ROXAS, H. A.

The Puerto Galera Marine Biological Laboratory of the University of the Philippines. A Report to the President of the University of the Philippines (1930) 1-24.

- Philippine Alcyonaria. The families Cornulaaridae and Exniidae. *Phil. Jour. Sci.* 50 (1933) 49-109.
- Philippine Alcyonaria, II: The families Alcynidæ and Nephthyidæ. *Phil. Jour. Sci.* 50 (1933) 345-470.
- A review of Philippine Mugilidae. *Phil. Jour. Sci.* 54 (1934) 393-482.
- A review of Philippine isospondylous fishes. *Phil. Jour. Sci.* 55 (1934) 231-295.
- Rediscovery of *Biat luzonicus* Seale (Gobiidae). *Copeia* No. 1 (1935) 19-20.
- A resume of the contribution to the knowledge of Philippine marine invertebrates. *Nat. Res. Coun. Phil. Bull.* No. 5 (1935).
- A fresh-water jelly-fish in the Philippines. *Phil. Jour. Sci.* 60 (1936) 37-44.
- Report of the Committee on Oceanography. *Nat. Res. Coun. Phil. Bull.* No. 220 (1938) 148-158.
- Marine protozoa of the Philippines. *Phil. Jour. Sci.* 24 (1941) 91-139, 17 plates, 2 text figs.
- ROXAS, H. A., and G. L. ABLAN.**
- A new tænioid fish from Occidental Negros. *Phil. Jour. Sci.* 54 (1938) 261-265.
- A new fish from Lingayen Gulf, Philippines. *Phil. Jour. Sci.* 71 (1940) 77-79.
- ROXAS, H. A., and A. G. AGCO.**
- A review of Philippine Carangidae. *Phil. Jour. Sci.* 74 (1941) 1-82, 12 plates.
- ROXAS, H. A., and G. J. BLANCO.**
- A redescription of the Genus *Mirogobius* Herre (Gobiidae). *Phil. Jour. Sci.* 64 (1937) 335-339.
- A new goboid fish from Luzon. *Phil. Jour. Sci.* 71 (1940) 165-166.
- ROXAS, H. A., and E. ESTAMPADOR.**
- Stomatopoda of the Philippines. *U. P. Nat. Appld. Sci. Bull.* 1 (1930) 93-131.
- ROXAS, H. A., and CLARO MARTIN.**
- A check list of the fishes recorded from the Philippines. *P. I. Dept. Agri. Com. Tech. Bull.* No. 6 (1937) 1-314.
- ROXAS, H. A., and S. B. RASALAN.**
- The mullet fishery of Naujan, Mindoro: Its effect on the ratio of the spawning mullet, *Mugil dussumieri* Cuvier and Valenciennes. *Phil. Jour. Sci.* 59 (1936) 259-273.
- ROXAS, H. A., and AGUSTIN F. UMALI.**
- Fresh-water fish farming. *Phil. Jour. Sci.* 63 No. 4 (1937) 433-468.
- SANTIAGO, G. T.**
- Cooperative and the fishing industry. *Agricultural-Commercial-Industrial Life* 9 No. 8 (1947) 8-9, 17.

**SEALE, A.**

On the collection of fishes from the Philippines made by Maj. Edgar A. Mearns, Surgeon, U. S. Army, with description of seven new species. *U. S. Nat. Mus.* 33 (1907) 229-248.

New species of Philippine fishes. *Phil. Jour. Sci.* 4 (1909) 491-543. Description of four new species of fishes from Bantayan Island, Philippine Archipelago. *Phil. Jour. Sci.* 5 (1910) 115-119.

The successful transference of black bass to the Philippine Islands, with notes on transporting of live fish in long distances. *Phil. Jour. Sci.* 5 D (1910) 153-159.

Fishes of Borneo with descriptions of four new species. *Phil. Jour. Sci.* 5 (1910) 263-289.

Preservation of commercial fish and fishery products in the tropics. *Phil. Jour. Sci.* 9 (1910) 1-17.

Philippine fishes which are poisonous. *Man. Med. Soc. Bull.* 2 (1910) 96-98.

The fishery resources of the Philippine Islands. *Phil. Jour. Sci.* 3 (1908) 513-531; 4 (1909) 57-64; 5 (1910) 87-100; 6 (1911) 283-317.

Notes on Philippine edible mollusks. *Phil. Jour. Sci.* 7 (1912) 273-281.

Description of a new acanthocybium from the Philippine Islands. *Phil. Jour. Sci.* 12 § D (1912) 283-287.

Poisonous fishes of the Philippine Islands. *Bureau of Health Bull.* No. 9 (1912).

The sea harvest: A summary of the marine resources of the Sulu Archipelago. *Philip. Craft* 3 (1914-15) 653-660.

Note regarding the dugong in the Philippine Islands. *Phil. Jour. Sci.* 10 § D (1915) 215-217.

Fishes as a food supply or the sea harvest. In *Actas, Memorias y Comm. de la Texcara Ass. Reg. de Med. y Farm. de Fil.* 3 (1916) 336-338.

Sea products of Mindanao and Sulu. *Phil. Jour. Sci.* 2 (1916) 235-243; 2 (1916) 245-265; 3 D (1917) 191-211.

The mosquito fish, *Gambusia affinis* (Baird and Girard) in the Philippine Islands. *Phil. Jour. Sci.* 12 (1917) 177-189.

**SEALE, A., and S. W. EVERMANN.**

Fishes of the Philippine Islands. *U. S. Bull. Bur. Fish.* 26 (1906) 49-110.

**SIVICKIS, P. B.**

The fresh-water planarians of the Philippines. *Trans. Am. Bio. Soc.* 47 (1928) 356-364.

The shipworms of the Philippines. *Phil. Jour. Sci.* 37 (1928) 285-298.

**SIVICKIS, P. B., and JOSE S. DOMANTAY.**

The morphology of a holothurian, *Stichopus chloronotus* Brandt. *Phil. Jour. Sci.* 37 (1928) 299-332.

## SMITH, HUGH M.

- Notes on five food fishes of Lake Buhi, Luzon, Philippine Islands. Bull. U. S. Fish. Com. 21 (1902) 167-171.
- Note on the occurrence of the whale shark, *Rhinodon typicus*, in the Philippine Islands. Proc. Biol. Soc. Wash. 24 (1911) 97.
- Description of a new notidanoid shark from the Philippine Islands, representing a new family. Proc. U. S. Nat. Mus. 41 (1912a) 489-491.
- The squaloid sharks of the Philippine Archipelago, with description of a new genus and species. Proc. U. S. Nat. Mus. 41 (1912b) 677-685.
- The chimaeroid fishes of the Philippine Islands, with description of a new species. Scientific results of the Philippine Cruise of the U. S. Bur. Fish. steamer "Albatross" 1907-1910. Proc. U. S. Nat. Mus. 42 (1912c) 231-232.
- Philippine sharks. Science n. s. 36 (1912d) 902.
- The hemiscylliid sharks of the Philippine Archipelago, with description of a new genus from the China Sea. Proc. U. S. Nat. Mus. 45 (1913a) 567-569.
- Description of a new carcharoid shark from the Sulu Archipelago. Proc. U. S. Nat. Mus. 45 (1913b) 599-601.

## STEINDACHER, FRAZ.

- Ueber eine neue Cristiceps-art von den Philippinen. Archiv. Zool. 3 fasc. 1 (1864) 199-200.
- Ichthyologische Motizen, V. Ueber eine neue Gobius-art von den Philippinen. Sitzber. Akad. Wiss. Wien. 65 Abt. 1 (1867) 715-716.
- Ichthyologische Beitrage, XVI, Sitzber. Akad. Wiss. Wein. 102 (1893) 217-243.

## SULIT, J. I., and S. S. SANTIAGO.

- Preliminary report on studies of salted fish paste. Dept. Agri. Nat. Res. Pop. Bull. No. 29 (1949) 3-7.

## TALAVERA, F.

- Pearl fisheries of Sulu. Phil. Jour. Sci. 43 (1930) 483-499.
- Fisheries of Lake Sampaloc, San Pablo, Laguna Province, Luzon. Phil. Jour. Sci. 48 (1932) 411-427.

## TALAVERA, F., and L. A. FAUSTINO.

- Industrial shells of the Philippines. Phil. Jour. Sci. 45 (1931) 321-350.
- Edible mollusks of Manila. Phil. Jour. Sci. 50 (1933) 1-48.

## TALAVERA, F., and H. R. MONTALBAN.

- Fishing appliances of Panay, Negros and Cebu. Phil. Jour. Sci. 48 (1932) 429-483.

## TAYLOR, E. H.

- Ipon fisheries of Abra River. Phil. Jour. Sci. 14 (1919) 127-130.
- Philippine turtles. Phil. Jour. Sci. 16 (1920) 111-114, 7 plates.

## TREADWELL, A. L.

- Contributions to the biology of the Philippine Archipelago and adjacent waters. Four new species of Polychætous annelids collected by the United States Fisheries steamer "Albatross" during the Philippine Expedition of 1907-1910. Proc. U. S. Nat. Mus. Bull. 100, 6 part 5 (1931) 313-321.

## TUBANGUI, M. A.

- Trematode parasites of Philippine vertebrates V. Phil. Jour. Sci. 47 (1932) 392-394.
- Trematode parasites of Philippine vertebrates VI. Phil. Jour. Sci. 52 (1933) 183-184.

## UMALI, A. F.

- The Japanese beam trawl used in Philippine waters. Phil. Jour. Sci. 48 (1932) 389-410.
- The cast net as a deep-water fishing appliances in Manila de Bay. Phil. Jour. Sci. 51 (1932) 555-566.
- The fishery industries of Southwestern Samar. Phil. Jour. Sci. 54 (1934) 365-391.
- Little known fishes from the Philippines. Phil. Jour. Sci. 56 (1935) 319-325.
- Edible fishes of Manila. P. I. Dept. Agri. Com. Pop. Bull. 6 (1936) 562.

- Deep-sea fishing in the Philippines. Dept. Agri. Com. Pop. Bull. 9 (1936) 25.

- The fishery industries of San Miguel Bay. Phil. Jour. Sci. 53 (1937) 227-258.

- The fishery industries of Ragay Gulf. Phil. Jour. Sci. 65 (1937) 175-199.

- Commercial fisheries of the Philippines. Phil. Jour. Com. 16 No. 5 (1940).

- Book review on "Strange Fishes and Their Stories" by A. H. Averill. Phil. Jour. Sci. 74 (1941) 290-291.

- Training fishermen for increased fish production. The Evening News Supplement A, Vol. II (1947).

## UMALI, A. F., and H. E. WARFEL.

- Reef fishing in the Philippines. Leaflet No. 354 (1949) 28. Philippine Fishery Program, U. S. Fish and Wildlife Service.
- Guide to the classification of fishing gear in the Philippines. U. S. Fish and Wildlife Service, Research Report No. 17 (1950) 1-165.
- A key to the families of common commercial fishes in the Philippines. U. S. Fish and Wildlife Service. Research Report No. 21 (1950) 1-47.

## VILLADOLID, D. V.

- A preliminary study of the larval fishes found in the mouth of the Pansipit River and in Balayan, Nasugbu and Batangas Bays. Phil. Agri. 20 No. 8 (1932) 511-516.

- Methods and gear used in fishing in Taal and the Pansipit River. Phil. Agri. 20 No. 9 (1932) 571-579.
- Notes on the crustacean and molluscan fisheries of Lake Taal and the Pansipit River. Phil. Agri. 20 No. 10 (1932) 645-646.
- A list of plants used in connection with fishing activities in Laguna de Bay regions and in Batangas Province, Luzon. Phil. Agri. 21 No. 1 (1932) 25-35.
- Some aspects of the question of conservation of fishery resources of Laguna de Bay and Lake Taal. U. P. Nat. Appld. Sci. Bull. 2 (1932) 293-295.
- Some causes of depletion of certain fishery resources of Laguna de Bay. Nat. Appld. Sci. Bull. 3 (1933) 251-256.
- Kanduli fisheries of Laguna de Bay, Philippine Islands: Remedial and regulatory measures for their rehabilitation. Phil. Jour. Sci. 54 (1934) 546-552.
- Philippine commerce of fish and fishery products, from 1916 to 1935. Agricultural and Industrial Monthly 5 No. 1 (1935) 8-9, 17, 26, 40, 42.
- Problems in Philippine fisheries including ichthyology and herpetology. Nat. Res. Coun. Phil. Bull. 5 (1935) 437-446.
- Government activities in the promotion of Philippine fisheries. Phil. Jour. Com. 12 (1936) 20-21.
- The Gourami: Its cultivation in the Philippines. Dept. Agri. Com. Pop. Bull. 1 (1936) 18.
- The fisheries of Lake Taal, Pansipit River and Balayan Bay, Batangas Province, Luzon. Phil. Jour. Sci. 63 (1937) 191-225.
- Game fishing in the Philippines. Agricultural and Industrial Monthly 5 No. 3 (1937) 6-7, 35, 37, 46.
- Our Government and the fishing industry. Progressive Farming (1937) 21, 32, 34.
- Philippine fisheries and problems of their conservation. Sixth Pac. Sci. Congress. Berkeley, California. Proceedings 3 (1939) 369-389.
- Fisheries in the Sixth Pacific Science Congress and important administrative and research fishery agencies of the United States. Nat. Res. Coun. Phil. Bull. No. 27 (1940) 59-70.
- We need a Bureau of Fisheries. Agricultural Industrial Monthly 8 No. 6 (1940) 45.
- VILLADOLID, D. V., and G. J. BLANCO. Two new species of gobies of Northern Luzon. Phil. Jour. Sci. 76 (1940) 99-103.
- VILLADOLID, D. V., and PORFIRIO R. MANACOP. The Philippine Phalostethidae, a description of a new species, and a report on the biology of *Gulaphallus mirabilis* Herre. Phil. Jour. Sci. 55 (1934) 193-220.
- VILLADOLID, D. V., A. M. MANE, and B. ONGCHANGCO. Opportunities in Philippine fisheries. Dept. Agri. and Com. Year Book for 1940 (1941) 701-710.

- VILLADOLID, D. V., H. R. MONTALBAN, and C. MARTIN. Role of fresh-water fisheries and fish farms in increased food production. Farming and Cooperative 1 No. 11 (1948) 12-31.
- VILLADOLID, D. V., and FIDEL DEL ROSARIO. Some studies on the tulla (*Corbicula manillensis*) Philippines, a common food clam of Laguna de Bay and its tributaries. Phil. Agri. 19 No. 6 (1930) 1-53.
- VILLADOLID, D. V., and A. F. UMALI. Commercial fisheries in the Philippines. Dept. Agri. Com. Year Book for 1940 (1941) 711-720.
- VILLADOLID, D. V., and D. K. VILLALUZ. Animals destructive to oysters in Bacoor Bay, Luzon. Phil. Jour. Sci. 67 (1938) 393-397.
- A preliminary study on bañgos cultivation and its relation to algæ culture in the Philippines. Dept. Agri. Nat. Res. Pop. Bull. No. 30 (1950).
- The cultivation of sugpo, *Penaeus monodon* Fabricius in the Philippines. Submitted for publication 1950 in Philippine Journal of Fisheries.
- VILLALUZ, D. K. Oyster farming. Phil. Jour. Sci. 65 (1938) 304-311.
- Viability of commercial oyster, *Ostrea iredalei* Faustino. Phil. Jour. Sci. 70 (1939) 221-226.
- Vertical distribution of oyster spats in Bacoor Bay. Phil. Jour. Sci. 70 No. 4 (1939) 375-385.
- Management of some Philippine fisheries. Bull. Fish. Soc. Phil. 1 (1950) 31-37.
- VILLALUZ, D. K., and FELIX J. ARRIOLA. Five other known species of the genus *Penaeus* in the Philippines. Phil. Jour. Sci. 66 (1938) 35-41.
- WADE, C. B. Notes on Philippine frigate mackerels, family Thunnidae, genus *Auxis*. U. S. Fish and Wildlife Service, Fishery Bulletin No. 46 51 (1949) 229-240, figs. 1-10.
- Juvenile forms of *Neothunnus macropterus*, *Katzuwonus pelamis* and *Euthynnus yaio* from Philippine seas. U. S. Fish and Wildlife Service, Fishery Bulletin No. 53 51 (1950) 395-404, figs. 1-13.
- Observations on the spawning of Philippine tuna. U. S. Fish and Wildlife Service, Fishery Bulletin No. 55 51 (1950) 409-423.
- Larval forms of Philippine tuna and tuna-like fishes. U. S. Fish and Wildlife Service, Fishery Bulletin No. 57 51 (1951) 445-485.
- WADE, C. B., and H. M. HERALD. Notes on pelagic fisheries in the Philippines with particular reference to tuna. (Paper read at the Second Annual Meeting of the Indo-Pacific Fisheries Council, Singapore, 1949.)

WARFEL, H. E.

Prospects for Philippine fisheries. *Journal of American Chamber of Commerce of the Philippines* (1950).

Prospects for a tuna canning industry in the Philippines. Report submitted May 3, 1950. *Philippine Fishery Program*, U. S. Fish and Wildlife Service.

Outlook for development of a tuna industry. *U. S. Fish and Wildlife Service, Research Report No. 28* (1950) 1-37.

WARFEL, H. E., and J. A. CLAGUE.

Shark fishing potentialities of the seas of the Philippines. *U. S. Fish and Wildlife Service, Research Report No. 15* (1950) 1-19.

WARFEL, H. E., J. A. CLAGUE, and H. W. TERHUNE.

The Philippine Fishery Program. Paper read at the Seventh Pacific Science Congress, Auckland, New Zealand (1948).

WARFEL, H. E., and P. R. MANACOP.

Otter trawl explorations in the Philippines. *U. S. Fish and Wildlife Service, Research Report No. 25* (1950) 1-49.

WARFEL, H. E., and A. F. UMALI.

Notes on the prospects of canning sardines in the Philippines. Submitted for publication (1950). *Philippine Fishery Program*, U. S. Fish and Wildlife Service.

YAP-CHIONGCO, J. V.

The littoral Paguridea in the collection of the University of the Philippines. *Phil. Jour. Sci.* 66 (1938) 183-218.