

College of Arts and Sciences  
IRAQ NATURAL HISTORY MUSEUM  
*Publication No. 7.*

A Bibliography  
*on the*  
Vertebrate Fauna of Iraq  
*and*  
Neighbouring Countries

IV. FISHES

*Compiled & Annotated*

By

BASHIR E. ALLOUSE, M.S.

Asst. Professor of Zoology, College of Arts & Sciences,  
and Director, Iraq Natural History Museum, Baghdad.



Published by : Iraq Natural History Museum, Baghdad.

Ar-Rabitta Press, Baghdad,  
1955

College of Arts and Sciences  
IRAQ NATURAL HISTORY MUSEUM  
*Publication No. 7.*

A Bibliography  
*on the*  
Vertebrate Fauna of Iraq  
*and*  
Neighbouring Countries

IV. FISHES

*Compiled & Annotated*

By

BASHIR E. ALLOUSE, M.S.

Asst. Professor of Zoology, College of Arts & Sciences,  
and Director, Iraq Natural History Museum, Baghdad.



Published by : Iraq Natural History Museum, Baghdad.

Ar-Rabitta Press, Baghdad,  
1955

## **PREFACE**

With this part, devoted entirely to fishes, we conclude our "Bibliography on Vertebrate Fauna of Iraq and Neighbouring Countries". The whole series of four parts accounted for almost 1210 references on the faunt of the Middle-East, excluding Invertebrates.

The distribution of entries on the main groups is as follows:—

Mammals	...	...	...	285
Birds	...	...	...	474
Reptiles & Amphibians	...			204
Fishes	...	...	...	246

The compiler will prepare a comprehensive list covering those references which have lately been traced by him, or brought to his notice, as well as all future papers or notes that shall be published during 1955.

BASHIR E. ALLOUSE.

*Iraq Natural History Museum,  
Baghdad, Iraq.  
June 20, 1955.*

## FISHES

NOTE.—Look for other references in the "Supplement", pp. 27-29, as you encounter an asterisk(\*).

### AHARONI, J.

1. 1912. Die Tierwelt des Jordantals und Toten Meer-Gebiets. (In: Max Blanckenhorn Naturwissenschaftliche Studien am Toten Meer und in Jordantal). Berlin. Fishes: 434-435.
2. 1937. Données zoogéographiques sur la faune de la Palestine et des contrées adjacentes par rapport à celle de la Péninsule Ibérique. Lisbon: Int. Congr. Zool., **12**: 1132-1137.
3. 1944. Animals hitherto unknown, or little known, from Palestine. Bull. Zool. Soc. Egypt, **6** Suppl.: 40-41.

### AINSWORTH, W. F., TRISTRAM, H. B., and KINGSLEY.

4. 1865. The Nile fish in Galilee. Athenaeum, **2**: 248-277, 310-311.

### AKSIRAY, FETHI

5. 1948. Türkische Cyprinodontiden, I. Rev. Fac. Sci. Univ. Istanbul, **13B** No. 2: 97-142, 4 pls. 23 text-figs. [Summary in Turkish.]
6. 1948. Über Türkische Cyprinodontiden, II. Rev. Fac. Sci. Univ. Istanbul, **13B**, No. 4: 280-310, 4 pls. 31 figs. [Summary in Turkish.]
7. 1952. Genetical contributions to the systematical relationship of Anatolian Cyprinodont fishes. Hidriobiologi, Istanbul, **1B**, No. 1: 33-83.

### ANCONA, U. D'

8. 1928. Murenoidi (Apodes) del Mar Rosso e del Golfo di Aden. Mém. Com. Talassogr. Ital., **144**: 1-146, 5 pls.

9. 1930. Ricerche di biologia marina sui materiali raccolti dalla R.N. "Amm. Magnaghi" anno 1923-24. Memoria VI: Murennoidi (Apodes) del Mar Rosso. Ann. Idrograf. Genova, **11**: 241-359, pl.

ANNANDALE, N.

10. 1913. Notes on the fishes, batrachia, and reptiles of the lake of Tiberias. Journ. Asiat. Soc. Bengal, **9**: 31-41, figs.
11. 1919. Notes on fishes of the genus *Discognathus* from India and Persia. Rec. Indian Mus. Calcutta, **18**: 65-78, pls.

(ANON.)

12. 1869. Die Fische Palästinas. Ausland, **42** Jahrg.: 872-876, pl.
13. 1952. Vocabulaire des noms des poissons des mers de Turquie. Balık ve Balıkçılık I, No. 2: 1-21.

BAMBER, R. C.

14. 1915. Reports on the marine biology of the Sudanese Red Sea, from collections made by Cyril Crossland, XXII. The Fishes. Journ. Linn. Soc. London, **13**: 477-485, pl.

BATTALGIL, F.

15. 1940. Yeni bir Cyprinid nev'i. Eine neue Cyprinidenart. Rev. Fac. Sci. Univ. Istanbul, **5B**: 74-77, 2 text-figs. [German with Turkish summary.]
16. 1941. Türkiyenin tatlı su balıkları. Les poissons des eaux de la Turquie. (Collection de l'Institut de Zoologie de l'Université d'Istanbul). Rev. Fac. Sci. Univ. Istanbul, **6B**: 170-186.
17. 1942. Türkiye tatlı su balıkları hakkında. Contribution à la connaissance des poissons des eaux douces de la Turquie. Rev. Fac. Sci. Univ. Istanbul, **7B**: 287-306, figs.
18. 1944. Nouveau poissons des eaux douces de la Turquie. Rec. Fac. Sci. Univ. Istanbul, **9B**: 126-133, figs.
19. 1944. Poissons nouveau et peu connus de la Turquie. Rev. Fac. Sci. Univ. Istanbul, **9B**: 299-303, figs.

BENNETT, E. T.

20. 1835. Characters of several previously undescribed fishes from Trebizonde, collected by Keith Abbott. Proc Zool. Soc. London, pt. 3: 91-92. [Seven species are described.]

BERG, L. S.

21. 1913. Description of a new species of *Garra* (= *Discognathus*) from eastern Persia. Ann. Mus. Zool. St. Petersb., **18**: 16-17. [In Russian.]
22. 1918. On a new Siluroid fish, *Glyptosternum armeniacum* sp. nov., from the Upper Euphrates. Bull. Mus. Georgie, Tiflis, **11**: 145-146.
23. 1931. Description of a new Siluroid fish, *Glyptosternum kurdistanicum* sp. nov., from the basin of the Tigris river. Bull. Acad. Sci. Leningrad: 1267-1270, figs.
24. 1932. Eine neue *Barilius*-Art (Pisces, Cyprinidae) aus Mesopotamien. Zool. Anz., Leipzig, **100**: 332-334, fig.
25. 1933. Notes on *Cirrhina afghana* Günther, (Pisces, Cyprinidae). Rec. Indian Mus., Calcutta, **35**: 193-196.
26. 1949. Fresh-water fish of Iran and of neighbouring countries. Trav. Inst. Zool. Acad. Sci. U.R.S.S., **8**: 783-858, illust. [In Russian.]

BERTIN, L.

27. 1943. Les Clupéiformes du Canal de Suez, comparés à ceux de la Mer Rouge et de la Méditerranée. Bull. Mus. Paris (2) **15**: 386-391.

BLEGVAD, H., and LOPPENTHIN, B.

28. 1944. Fishes of the Iranian Gulf. Danish Scientific Investigations in Iran, pt. 3. Copenhagen: Einar Munksgaard. 247 pp. 135 figs. & 12 pls. [An important contribution to the fish-fauna of this region.]

BODENHEIMER, F. S.

29. 1927. Zoologische Beobachtungen aus Pälastina. Zool. Anz., **73**: 88-93.

30. 1934. Contributions à l'étude de la zoogéographie des poissons du Sud Paléarctique. Bull. Soc. Cent. d'Agric. et de Pêche, Clermont (Loire), Nos. 4-6.
31. 1937. Prodromus faunae Palestinae. Essai sur les éléments zoogéographiques et historiques du sud-ouest du-règne paléarctique. Mém. Inst. Egypte, **33**, Fishes: 261-262, 271-275.

BORODIN, N.

32. 1930. Scientific results of the Yacht "Ara" Expedition during the years 1926 to 1930, while in command of William K. Vanderbilt. (Fishes collected in 1929). Bull. Vanderbilt Mar. Mus. Cambridge, Mass., **1**: 39-64, pls.

BORSIERI, C.

33. 1904. Contribuzione alla conoscenza della fauna ittiologica della Colonia Eritrea. Ann. Mus. Civ. Storia Nat. Genova, (3) **1**: 187-220.

BOULENGER, G. A.

34. 1887. An account of the fishes obtained by Surgeon-Major A.S.G. Jayakar at Muscat, east coast of Arabia. Proc. Zool. Soc. London: 653-667, pl. [472 spp., are listed, including 14 which are described as new.]
35. 1889. Second account of the fishes obtained by Surgeon-Major A.S.G. Jayakar at Muscat, east coast of Arabia. Proc. Zool. Soc. London: 236-246, pls. [A list of 84 spp., with synonymic notes and descriptions of 5 new species.]
36. 1890. Descriptions of two new Cyprinodontoid fishes [*Cyprinodon danfordii* and *Haplochilus hartii*]. Ann. Mag. Nat. Hist., (6) **6**: 169-170. [The first species is from Asia Minor.]
37. 1892. Third account of the fishes obtained by Surgeon-Major A.S.G. Jayakar at Muscat, east coast of Arabia. Proc. Zool. Soc. London: 134-136. [17 more species are reported.]
38. 1895. Description of a new Eagle-ray from Muscat (*Rhinoptera jayakari*, sp. n.). Ann. Mag. Nat. Hist., (6) **15**: 141.

39. 1895. Catalogue of the Perciform fishes in the British Museum, Vol. 1. London : Brit. Mus. (Nat. Hist.)
40. 1896. On freshwater fishes from Smyrna. Ann. Mag. Nat. Hist., (6) **18** : 153-154. [There out of seven spp. are described for the first time.]
41. 1897. Descriptions of new fishes from the Mekran coast, Persia. Ann. Mag. Nat. Hist., (6) **20** : 420-422. [5 new species are described.]
42. 1897. On a specimen of *Acanthocybium solandri* from the (\*\*\*) Arabian Sea. Proc. Zool. Soc. London : 272-273.
43. 1900. Description of a new Sea-horse, *Hippocampus jayakari*, from Muscat. Ann. Mag. Nat. Hist., (7) **6** : 51-52.
44. 1901. Description of a new fish of the genus *Gobius* (*G. percivali*) obtained by Mr. A. B. Percival in South Arabia. Proc. Zool. Soc. London : 152-154, fig.
45. 1901. On some deep-sea fishes collected by Mr. F. W. Townsend in the Sea of Oman. Ann. Mag. Nat. Hist., (7) **7** : 261-263, pl. Also : J. Bombay Nat. Hist. Soc., **14**, 1902, pp. 372-374, pl. [One of the 8 fishes reported is a new genus and species, *Parascolopsis townsendi*.]

BRAUER, A.

46. 1902. Diagnosen von neuen Tiefseefischen welche von der Valdivia-Expedition gesammelt sind. Zool. Anz., **25** : 277-298. [Collected from Aden.]

BRONGNIART, A.

47. 1860. Resultats relatifs à l'histoire naturelle, obtenus pendant le cours d'une exploration de la Mer Rouge, 1859-60. Compt.-Rendus Hebdom. Séances, Acad. Sci. Paris, **52** : 434-440.

(\*\*)

BRUUN, A. F., and KAISER, E. W.

48. 1944. *Iranocypris typhlops* n. gen., n. sp., The first true cave fish from Asia. Danish Scient. Invest. Iran, Copenhagen. pt. 4 : 1-8, 5 figs.

CAPORIACCO, L. di

49. 1935. Escursione del Prof. Nello Beccari in Anatolia. Monit. Zool. Ital. Firenze, **46**: 255-259.

(\*)

CHABANAUD, P.

50. 1930. Description d'un nouveau *Cubiceps* [Pisces, Stromateidae] de la Mer Rouge. Bull. Mus. Hist. Nat. Paris, (2) **2**, No. 5: 519-523.
51. 1931. Sur divers poissons Soléiformes de la région Indo-Pacifique. Bull. Soc. Zool. Franc., **56**: 291-305. [Occuring in the Red Sea also.]
52. 1933. Contribution à l'étude de la faune ichthyologique du Canal de Suez. Bull. Soc. Zool. Franc., **58**: 287-292.
53. 1933. Sur divers poissons de la Mer Rouge et du Canal de Suez. Description de deux espèces nouvelles. Bull. Inst. Océanogr. Monaco, 627: 1-12, 7 figs.
54. 1934. Poissons recueillis dans le Lac Timsah (Isthme de Suez) par M. le Prof. A. Gruvel en 1933. Bull. Mus. Hist. Nat. Paris, (1) **6**: 156-160.
55. 1942. Notules ichthyologiques. XVIII. Additions à la faune de la Mer Rouge. Bull. Mus. Hist. Nat. Paris, (2) **14**: 395-402.
56. 1947. Notules ichthyologiques. XXX. Additions à la faune de la Mer Rouge. Bull. Mus. Hist. Nat. Paris, (2) **19**: 156-157.
57. 1949. Description d'un nouveau *Cynoglossus* de la Mer Rouge. Bull. Soc. Zool. Franc., **74**: 146-148.
58. 1949. Revision de deux Bothidés de la Mer Rouge. Bull. Soc. Zool. Franc., **74**: 148-150.
59. 1950. Notules ichthyologiques. XLII-XLVI. Bull. Mus. Hist. Nat. Paris, (2) **22**: 336-340, fig. [Relating to the Red Seá.]

CHURCHILL (Consul.).

60. 1877. Persian Fisheries. Forest & Stream, **9**: 249.

COCO-ZANGHY, G.

61. 1877. Un erratacorrige proposta in zoologia ovvero il mio viaggio in Tiberiade ed il vero pesca di S. Pietro. Atti. Accad. Givenia Sci. Nat. Catania, (3) **11**: 237-265.

COSTA, A.

62. 1875. Relazione di un viaggio per l'Egitto, la Palestina et la costi della Turchia Asiatica per ricerche zoologiche. Atti. R. Accad. Sci. Fis. Matem. Naples, **12**: 1-40.

CROSSLAND, C.

63. 1920. Some common Red Sea fishes. Sudan Notes & Records, Khartoum, **3**, No. 2: 117-129.

DAY, FRANCIS

64. 1878-88. The fishes of India; being a natural history of the fishes known to inhabit the seas and fresh waters of India, Burma, and Ceylon. 2 vols. London. [A very useful work of reference for the whole region.]
65. 1889. The Fauna of British India, including Ceylon and Burma. Fishes: 2 vols. London: Taylor & Francis, 548 & 509 pp.

DEAN, B.

66. 1916-23. A bibliography of fishes, 3 vols. New York.

DELSMAN, H. C.

67. 1934. Basking shark in the Bab-el-Mandeb (Gulf of Aden). Nature, London, **133**: 176.

DERJAVIN, A. N.

68. 1929. A note on fishes of the River Karaj (N. Persia). Bull. Ichthyol. Lab. Baku. (2) **2**: 69-79, figs. [In Russian; résumé p. 79.]

DEYRÖLLE, T.

69. 1871. Notice sur une espèce remarquable de poisson qui vit dans les eaux du Lac de Van, (*Alburnus tarichi* Pall.). Rev. Mag. Zool. (2) **23**: 401-405.

DOLLFUS, R. P.

70. 1938. Les Syngnathidae de la Mer Rouge. Liste des espèces avec la description d'une sous-espèce nouvelle. Bull. Hist. Nat. Paris, (2) **10**, No. 5: 496-506.

DUNCKER, G.

71. 1940. Ueber einige Syngnathidae aus dem Roten Meer. Publ. Mar. Biol. Stat. Ghardaga (Red Sea) **3**: 83-88, figs.

EHRENBERG, C. G.

72. 1828. Naturgeschichtliche Reisen durch Nord-Afrika und West-Asien in den Jahren 1820 bis 1823. Von W. F. Hemprich und C. G. Ehrenberg. Historischer Theil. Berlin.

ENGELHARDT, R.

73. 1912. Ueber einige neue Selachier-Formen. Zool. Anz., **39**: 643-648.

ERDMAN, D. S.

74. 1950. Fishing in Arabia. Scientific Monthly, **70**: 58-65.

FERRIS, R. E.

75. 1949. Fishing industry of the Gulf of Aden. U.S. Fish and Wildlife Service, Leaflet No. 328. Washington, D.C.

FIELD, HENRY

76. 1932. Fish at Jimdet Nasr and Kish. Field Mus. News, Chicago, **3** May.
77. 1936. Fish in Mesopotamian "Flood" deposits. Man, **36**, No. 75-March.

FILIPPI, F. de

78. 1862. Nuove o poco note specie di animali vertebrate raccolte in un viaggio in Persia nell'estate dell'anno 1862. Arch. Zool. Anat. Fisiol., **2**: 377-394. [Fishes: 390-394.]
79. 1864. Riassunto del catalogo degli animali vertebrati delle Provincie Caucasiche e della Persia occidentale. Att. Soc. Ital. Sci. Nat. **7**: 184-186.
80. 1865. Note di un viaggio in Persia nel 1862. Milano. Fishes: 357-360. [Description of 22 spp. of fishes.]

FOWLER, H. W.

81. 1945. The fishes of the Red Sea. Sudan Notes & Records, **26**: 113-137, figs.

FRASER-BRUNNER, A.

82. 1950. *Holacanthus xanthotis* sp. n., and other Chaetodont fishes  
(\*) from the Gulf of Aden. Proc. Zool. Soc. London, **120**: 43-48, 2 pls. 1 fig.
83. 1951. Some new Blennioid fishes, with a key to the genus  
*Antennablennius*. Ann. Mag. Nat. Hist., (12) **4**: 213-220,  
6 figs. [Occuring in the Gulf of Aden.]

GAILLARD, C.

84. 1895. Notes sur quelques espèces de Cyprinodons de l'Asie Mineure et de la Syrie. Arch. Mus. Hist. Lyon, **6**, No. 2, 15 pp., fig.

GEOFFREY-SAINT-HILAIRE, I.

85. 1809. Histoire naturelle des poissons de la Mer Rouge [et de la Méditerranée]. Description de l'Egypte, Histoire Naturelle, **1**, Paris: 311-343.

GIANFERRARI, L.

86. 1933. *Cyprinodon zaccarinii*, n. sp. della Migiurtinia. Atti. Soc. Ital. Milano, **72**, 1: 82-85, figs. [Occuring at Aden.]

GIGLIOLI, E. H.

87. 1888. Note intorno agli animali vertebrati, raccolti dal Conte Augusto Bourtouline e dal Dr. Leopoldo Traversi ad Assab e nello Scioa negli anni 1884-87. Pesci. Ann. Mus. (\*) Civ. Stor. Nat. Genova, (2a) **6**, Pesci: 67-73.

GRUVEL, A.

88. 1931. Les états de Syrie, richesses marines et fluviales. Bibl. (\*) Faune Colon. Franc. Paris, **3**: 72-114.
89. 1936. Contribution à l'étude de la bionomie générale et de l'exploitation de la faune du Canal de Suez. Mém. Inst. Egypt, **29**: 1-255. Fishes: p. 147-176, figs.

GRUVEL, A. and CHABANAUD, P.

90. 1937. Missions A. Gruvel dans le Canal de Suez, II. Poissons. Mém. Inst. Egypt, **35**, 31 pp. figs.

GUENTHER, R. T.

91. 1900. Contributions to the natural history of Lake Urmia, N. W. Persia, and its neighbourhood. Linn. Soc. J. Zool., **27**: 345-453.

GUNTHER, A.

92. 1895-79. Catalogue of Fishes in the British Museum, 8 vols. London. [See Vols. 3, 5, 6 & 7 for fishes occurring in our area.]
93. 1864. Report on a collection of fishes from Palestine. Proc. Zool. Soc. London: 490-493. [A report on 17 species of fish collected from the Jordan and the Lake of Galilee, four of which are new species.]
94. 1869. The fishes of the Holy Land. Student & Intell. Observ., **3**: 409-417. [18 species of fish are reported.]
95. 1874. A collection of fishes from the Tigris made by W. H. Colvill. Ann. Mag. Nat. Hist. (4) **14**: 36-38, 2 pls.

96. 1889. Fishes in : Aitchison's Zoology of the Afghan Delimitation Commission, Trans. Linn. Soc., (2) 5, pt. 3: 160-190, 1 pl. [Describes 7 spp. including 3 new.]

97. 1899. Fishes of Lake Urmi and its neighbourhood. Journ. Linn. Soc., 27: 381-391, pls.

HAAS, J.

98. 1946. On the fishes of the Gulf of Aqaba. Bull. Jerusalem Nat's. Cl., No. 27: 1-3.

HANKE, B.

99. 1924. Fische aus Klein-Asien. Ann. Hist.-Nat. Mus. Nat. Hung. Budapest, 21: 137-158, 1 pl. & 7 figs.

HARDY, E.

100. 1946. Fishes from the Sea of Galilee. Aquarist, London, 11: 76-79.

HART, H. C.

101. 1891. Some account of the fauna and flora of Sinai, Petra and Wady Arabah. London: Palestine Exploration Fund.

HASSELQUIST, F.

102. 1766. Voyages and travels in the Levant in 1749-52 containing observations in natural history, physick, agriculture and commerce. London: 456 pp. map.

HECKEL, J. J.

103. 1841-43. Ichthyologie (von Syrien). (In: Russegger, Joseph von. Reisen in Europa, Asien, und Africa, mit besonderer Rücksicht auf die naturwissenschaftlichen verhältnisse der betreffenden Länder unternommen in den Jahren 1835 bis 1841, etc. Vols. 1 & 3. Stuttgart.

104. 1843. Abbildungen und Beschreibungen des Fische Syrien, nebst einen neuen Classification und Characteristik Sämmlicher Gattungen der Cyprinen. Stuttgart, 258 pp. pls.

HEMPRICH, F. G. & EHRENBERG, C. G.

105. 1899. *Symbolae physicae, seu icones adhuc ineditae corporum naturalium novorum aut minus cognitorum quae ex itineribus per Lybiam, Aegyptiam, Nubiam, Dongolam, Syriam, Arabiam et Habessinian publico institutis sumpto ... studio annis 1820-25 redierunt. Zoologica*, Berlin.

HOLLY, M.

106. 1929. Drei neue Fischformen aus Persien. *Anz. Keiserl. Akad. Wiss. Wien*, **66**: 62-64.
107. 1929. Beiträge zur Kenntniss der Fischfauna Persiens. *Zool. Anz.*, **85**: 183-185, 3 figs.

HORA, S. L., and MISRA, K. S.

108. 1943. On a small collection of fishes from Iraq. *J. Proc. Asiatic Soc. Bengal*, **9**, No. 1: 1-15, 7 figs.

HORNELL, J.

109. 1935. Report on the fisheries of Palestine. London.  
(\*)

HULL, E.

110. 1885. On the origin of the fishes of the Sea of Galilee. Report Brit. Assoc. Advanc. Sci., 55th meeting, pp. 1066-1068.
111. 1895. On the physical conditions of the Mediterranean basin which have resulted in a community of some species of freshwater fishes in the Nile and the Jordan waters. *Quart. J. Geol. Soc.*, **51**: 93-94.

JENKINS, J. T.

112. 1910. Notes on fish from India and Persia, with descriptions of new species. *Rec. Indian Mus.*, Calcutta, **5**: 133-140, pl.

KENNEDY, W. P.

113. 1937. Some additions to the fauna of Iraq. *J. Bombay Nat. Hist. Soc.*, **39**: 745-749. [17 species are listed.]

KERVILLE, H. GADEAU de

114. 1939. Liste méthodique des invertébrés et des vertébrés récoltés en Asie-Mineure. Poissons. Voy. Zool. Asie-Mineure, Paris, 1, pt. 1: 141-143.

KEYSERLING, E. von.

115. 1861. Neue Cypriniden aus Persien. Zeit. Ges. Naturwiss., 17: 1-24. [Extract in: Rev. Mag. Zool., 1863, (15) 2: 419-422.]

KITTO, J.

116. 1941. Palestine: the physical geography and natural history of the Holy Land. London.

KLUNZINGER, C. B.

117. 1870. Synopsis der Fische des Rothen Meeres, Part I. Percoiden, Mugiloiden. Verh. Kais.-Kön. Zool.-Bot. Ges. Wien, 20: 669-834.
118. 1871. *Ibid.* Part II. Verh. Kais.-Kön. Zool.-Bot. Ges. Wien, 21: 441-688.
119. 1871. Systematische Uebersicht der Fische des Rothen Meeres, (\*\*) als Anhang und Register zur Synopsis. Verh. Kais.-Kön. Zool.-Bot. Ges. Wien, 21: 1353-1368.
120. 1877. Bilder aus Oberägypten, der Wüste, und dem Rothen Meere. Stuttgart, 400 pp., illust. (Fishes: 365-373.)
121. 1884. Die Fische der Rothen Meeres. Eine kritische Revision mit Bestimmungs-Tabellen, Teil 1. *Acanthopteri veri* Owen, Stuttgart, 183 pp., pls. & figs. folio.

KOSSMANN, R. A.

122. 1877. Bericht über eine in Auftrage der königlichen Akademie der Wissenschaften zu Berlin ausgeführten Reise in die Küstengebiete des Rothen Meeres zur Erforschung der dortigen Fauna der Wirbellosen. Verh. Nat.-Med. Ver. Heidelberg, 1: 140-151.

123. 1877. Wissenschaftliche Ergebnisse einer Reise in die Küstengebiete des Rothen Meers in Auftrage der königlichen Akademie der Wissenschaften zu Berlin ausgeführt von Robby Kossmann, Erste Abtheilung. Verh. Nat.-Med. Ver. Heidelberg, 1: 378-420.
124. 1879. List of fishes mostly from the Red Sea which are offered for exchange. Zool. Anz., 2: 21-22. [Text in German.]

KOSSMANN, R. A., and RAUBER, H.

125. 1877. Pisces in: Zoologische Ergebnisse einer im Auftrage der königlichen Akademie der Wissenschaften zu Berlin ausgeführten Reise in die Küstengebiete des Rothen Meeres. Leipzig.

KOSSWIG, C.

126. 1942. Die Faunengeschichte des Mittel und Schwartzen Meeres. C. R. Soc. Turque Sci. Phys. Nat. Istanbul, 1941-42, pp. 37-52.
127. 1943. Über Tethysrelikte in der Türkischen Fauna. C. R. Soc. Turque Sci. Phys. Nat. Istanbul, fasc. 10, 1942-43, pp. 30-47, 5 figs.
128. 1950. Die Gattung *Tylognathus* in Vorderasien. Zool. Anz., 145 Ergänzungsb. pp. 406-415, 10 figs.
129. 1952. Die Zoogeographie der Türkischen Süßwasserfische. Pub. Hydrobiol. Res. Inst. Fac. Sci. Univ. Istanbul, Sec. B, pt. 1, fasc. 2: 85-101.
130. 1952. La biologie du monde des poissons, (Actualité bases et buts.). Balik ve Balıkçılık, I, No. 3: 3-43. [In Turkish.]
131. 1952. Les anguilles. Balik ve Balıkçılık, I, No. 5: 3-9. [In Turkish.]

KOSSWIG C., and BATTALGIL, F.

132. 1942. Türkiye tatlı su balıkları zoogeografiyası. Zoogeographie der Türkischen Süßwasserfische. Rev. Fac. Sci. Univ. Istanbul, 7B: 145-165, 4 maps.

133. 1943. Türkiye tatlı su balıklarının zoogeografik ehemmiyeti. C. R. Soc. Turque Sci. Phys. Nat. Istanbul, fasc. 8, 1941-42, pp. 18-31.
134. 1943. Beiträge zur Türkischen Faunengeschichte I. Süßwasserfische. C. R. Soc. Turque Sci. Phys. Istanbul, fasc. 8, 1941-42, pp. 32-63, 1 fig.

KOSSWIG C., and GELDIAY, R.

135. 1952. Le lac d'Egridir et ses poissons. Balık ve Balıkçılık, 1, No. 3: 3-16. [In Turkish.]

KOSSWIG, C., and SOZER, F.

136. 1944. Nouveaux Cyprinodontides de l'Anatolie centrale. Rev. Fac. Sci. Univ. Istanbul, **10B**: 77-83, 4 figs.

KRUKENBERG, C. W.

137. 1881. Die Durchfluthung des Isthmus von Suez in chorologischer, hydrographischer und historischer Beziehung (In his: Vergl. Physiol. Studien Heidelberg, **2**, No. 5, Abth: 1-95, 2 pls.

LACHNER, E. A.

138. 1951. Studies of certain Apogonid fishes from the Indo-pacific, with descriptions of three new species. Proc US. Nat'l. Mus., **101**: 581-610, 2 pls., 1 fig. [Occuring in the Persian Gulf & the Red Sea.]

LANDSBERGER, B.

139. 1934. Die Fauna des alten Mesopotamien. Leipzig.

LANE, W.H.

140. 1916. The Game fishes of the Persian Gulf, pt. I. J. Bombay Nat. Hist. Soc., **24**: 722-748.
141. 1917. The Game fishes of the Persian Gulf, pt. II. J. Bombay Nat. Hist. Soc., **25**: 121-135.

LEIDENFROST, G.

142. 1912. Kis-ázsiai balak. (Fishes from Asia Minor). Állatt, Közlem.  
Köt. Budapest. **11**: 125-132, 159, 2 figs.

LIEBMAN, E.

143. 1933. Some observations of the breeding habits of Palestine  
Cichlidae. Proc. Zool. Soc. London: 885-888.

LLOYD, R. E.

144. 1907. Contributions to the fauna of the Arabian Sea, with des-  
criptions of new fishes and crustacea. Rec. Indian Mus.  
Calcutta, **1**, pt. 1: 1-12; pt. 4: 281-289.

LORTET, L.

145. 1883. Poissons et reptiles du Lac de Tiberiade et de quelques  
autre parties de la Syrie. (3 parts.) Arch. Mus. Lyon, **3**,  
Fishes: 99-194, 13 pls. [39 spp. are recorded, of which 10  
are described as new.]

LUKE, H. and KEITH-ROACH, E.

146. 1934. The handbook of Palestine and Transjordan. London, 549  
pp. Fishes: 422-425.

MARSHALL, N. B.

147. 1952. The "Manihine" expedition to the Gulf of Aqaba 1948-  
1949. Fishes. Bull. Brit. Mus. (Nat. Hist.) Zool., **1**: 221-  
252 & 5 figs.

MASTERMAN, E. W. G.

148. 1908. The fisheries of Galilee. Palestine Exploration Fund, Quart.  
Statement, Jan. 1908, 48 pp.

MEEK, S. E.

149. 1897. List of fishes and reptiles obtained by Field Columbian  
Museum East African Expedition to Somaliland in 1896.  
Pub. Field Mus. Zool. **1**: 165-183, pl.

MISRA, K. S.

150. 1947. On a second collection of fish from Iraq. Rec. Indian Mus. Calcutta, **45**: 115-127, 2 pls., 2 figs.

MOHR, A.

151. 1929. Den Persiske bukt. Oslo.

NEU, W.

152. 1937. Burdur gölünden cikan *Cyprinodon sureyanus*, sp. n. (*Cyprinodon sureyanus* sp. n. aus dem Burdur Göl.). Rev. Fac. Sci. Univ. Istanbul, **2**: 109-113, 1 chart.

NICHOLS, J. T.

153. 1948. On *Caranx nigripinnis* from the Persian Gulf. Copeia, p. 300.

NIKOLSKY, A. M.

154. 1897. Reptiles, amphibia and fishes collected by N. A. Zarudnyj in Eastern Persia. Ann. Mus. Zool. Acad. Imp. Sci. St.-Petersb., **2**: 35-43; 306-308. [Text in Russian.]
155. 1899. Reptiles, amphibia and fishes of the second expedition of N. A. Zarudnyj to Persia. Ann. Mus. Zool. Acad. Imp. Sci. St.-Petersb., **4**, p. 33-43. [Text in Russian.]
156. 1900. Reptiles, amphibians and fishes collected on the expedition of Mr. N. A. Zaroudny to Persia in 1898. Ann. Mus. Zool. Acad. Imp. Sci. St. Petersb., **5**: 375-417. [Text in Russian.]

NINNI, E.

157. 1934. I *Callionymus* dei mari d'Europa. Con un aggiunta di quelli esotici esistenti nei Musei d'Italia ed una nuova specie d'Italia eduna nouva specie di "*Callionymus*" del Mar Rosso. Notas Res. Inst. Esp. Oceanogr. Madrid, **85**: 1-59, 13 pls.  
(\*)

158. 1927. Zoological results of the Cambridge Expedition to the Suez Canal, 1924. Report on the fishes. Trans. Zool. Soc. London, **22**, No. 3: 375-396, 2 figs. & 4 tab.

NORMAN, J. R.

159. 1929. Note on the fishes of the Suez Canal. Proc. Zool. Soc. London: 615-616.
160. 1939. Fishes from the Red Sea and Western Indian Ocean. Sci. Report John Murray Expedition, London, (7) **1**: 1-116, 41 figs.

(\*)

NUMANN, W.

161. 1952. La pêche des anguilles, Balik ve Balikcilik, I, No. 5: 10-14. [In Turkish.]
162. 1952. Les thone et les poissons qui leur ressemblent vivant dans les mers de Turkquie. Balik ve Balikcilik, I, No. 5: 15-18. [In Turkish.]

OLIVIER, G. A.

163. 1801-07. Voyage dans l'Empire Ottoman, l'Egypte et la Perse, 6 vols. and atlas of 3 parts, Paris.

PELLEGRIN, J.

164. 1904. Poissons recueillis par M. Ch. Gravier à Djibouti et à Obock. Bull. Mus. Hist. Nat., Paris, **10**: 543-545.
165. 1906. Sur un *Salarius* nouveau de la baie Tadjourah. (Gulf of Aden). Bull. Mus. Hist. Nat. Paris, **12**: 93-94.
166. 1911. Poissons de Syrie recueillis par H. Gadeau de Kerville. Bull. Soc. Zool. Paris, **36**: 107-110. [Describes a new sp., *Phoxinellus kervillei*.]
167. 1912. Poissons du Musée de Naples provenant des expéditions du "Vettor Pisani" et du "Dogali" et de la mer Rouge. Ann. Mus. Zool. Univ. Napoli, **3**, No. 27: 1-11.
168. 1923. Etude sur les poissons rapportés par M. Henri Gadeau de Kerville de son voyage zoologique en Syrie (Avril-Juin, 1908). Arch. Mus. Hist. Nat., Paris, **4**, 37 pp., 5 pls.

169. 1927. Description d'un Cyprinidé nouveau d'Asie-Mineure. Bull. Soc. Zool. Paris, **52**: 34-35.
170. 1927. Poissons d'Asie-Mineure recueillis par Mr. H. Gadeau de Kerville. Bull. Soc. Zool. Paris, **52**: 36-37.
171. 1928. Les poissons des eaux douces d'Asie-Mineure. Voy. Zool. d'Henri Gadeau de Kerville en Asie-Mineure, Paris, **2**, 134 pp., 2 pls., 32 figs.
172. 1928. Les poissons des eaux douces d'Asie-Mineure. Note complémentaire. Voy. Zool. Gadeau de Kerville en Asie-Mineure, Paris, **2**, 3 pp.
173. 1933. Description d'un poisson nouveau de la Syrie méridionale appartenant au genre *Phoxinellus*. Bull. Mus. Hist. Nat. Paris, (8) **5**: 368-369.

#### PICAGLIO, L.

174. 1894. Pesci del mar Rosso pescati nella campagna idrografica della Regia nave "Scilla" nel 1891-92; collezione aggiunta della specie del mar Rosso e del Golfo di Aden ... etc. Atti. Soc. Nat. Modena, (3) **13**: 22-40.

#### PIETSCHMANN, Y.

175. 1913. Eine neue *Glyptosternum*-Art aus dem Tigris. Anz. Akad. Wiss. Math.-Nat. Wien, 50 Jahrg: 93-95. [Describes *G. steindachneri*.]
176. 1934. Drei neue Fischarten (Cypriniden) aus Kleinasien. Anz. Akad. Wiss. Wien, **70**: 21-23.

#### PLAYFAIR, (Sir) ROBERT L.

177. 1870. Note on a freshwater fish from the neighborhood of Aden : *Discognathus lamta*. Proc. Zool. Soc., London : 85-86.

#### PRIEM, F.

178. 1908. Poissons fossiles de Perse. Délégations en Perse, Annales publiées sous la direction de J. de Morgan, Paris, p. 1-25, 3 pls.

QURESHI, M. R.

179. 1952. Some shooting fishes of the Arabian Sea. Proc. 4th Pakistan Sci. Conf. Peshawar.

REGAN, C. TATE

180. 1905. On fishes from the Persian Gulf, the Sea of Oman, and Karachi, collected by F. W. Townsend. J. Bombay, Nat. Hist. Soc., **16**: 318-332.
181. 1922. The classification of fishes of the family Cichlidae. II. On African and Syrian genera not restricted to the Great Lakes. Ann. Mag. Nat. Hist., (9) **10**: 249-264. [Occuring in Syria and Palestine.]

RHASIS ERAZI, R. A.

182. 1943. The Labridae of the Bosphorus and of the Sea of Marmara. Rev. Fac. Sci. Univ. Istanbul, **8B**: 141-160, 17 figs.

RICHARDSON, (Sir) JOHN

183. 1856. On some fish from Asia Minor and Palestine. Proc. Zool. Soc., London, **24**: 371-377.

ROBESON, J. S.

184. 1885. The fisheries of Syria in 1882. Report U.S. Fish Comm., 1883, **11**: 1199.

RUPPELL, E.

185. 1826-28. Atlas zu der Reise im nördlichen Afrika. Fische des Rothen Meeres, 4 vols. Frankfurt a-M, 119 pls. fol.
186. 1835. Neue Wirbelthiere zu der Fauna von Abyssinien gehörig. Fische des Rothen Meeres. Frankfurt a-M.

RUSSEGGER, J. von

187. 1841-48. Naturwissenschaftliche Reisen in Europe, Asien, und Africa. 4 vols. Stuttgart, 1841-48, 73 pls. & 18 maps.

RUSSELL, A.

188. 1756. The natural history of Aleppo and parts adjacent. London, 266 pp., 16 pls. A 2nd ed. revised and enlarged by P. Russell in 2 vols. illust. London, 1794. (Fishes: 207-219, pl.).
189. 1756. An account of four undescribed fishes of Aleppo. Phil. Trans. Roy. Soc., **49**: 445-449.

SANTUCCI, R.

190. 1934. La presenza nelle acque de Mar Rosso di *Rhineodon typus* (\*). A. Smith, Squalo gigantesco. Boll. Mus. Zool. Anat. Comp. Genova, **14**, No. 76, 14 pp., 7 figs.

SANZO, L.

191. 1930. Ricerche biologiche sui materiali raccolti dal L. Sanzo nella campagna idrographica nel Mar Rosso della R.N. "Ammiraglio Magnaghi", 1923-24. Plectognathi. Mem. Com. Talassograf. Ital. Venice, **68**.

SAUVAGE, H. E.

192. 1882. Catalogue des poissons recueillis par M. E. Chantre pendant son voyage en Syrie, Haute-Mésopotamie, Kurdistan et Caucase. Bull. Soc. Philom. Paris, (7) **6**: 163-168.
193. 1943. Notice sur la faune ichthyologique de l'ouest de l'Asie et plus particulièrement sur les poissons recueillis par M. Chantre pendant son voyage dans cette région. Nouv. Arch. Mus. Hist. Nat., Paris **7**: 1-41.

SCHAFER, H. W.

194. 1952. Über Süsswasser Ostracoden aus der Turkei. Hidriobiologi, Istanbul, **1B**; No. 1: 7-32.

SOZER F.

195. 1941. Türkiye Gobiidleri. Les Gobiidés de la Turquie. Rev. Fac. Sci. Univ. Istanbul, **6**: 128-169.

196. 1942. Türkiye Cyprinodontid'leri hakkında. Contributions à la connaissance des Cyprinodontides de la Turquie. Rev. Fac. Sci. Univ. Istanbul, **7B**, 4: 307-316, 2 figs.

STEINDACHNER, FRANZ

197. 1863. Ueber eine neue *Alburnus*-Art aus Syrien. Sitzber. Kais. Akad. Wiss. Wien, **48**, pt. 1: 193-194.
198. 1897. Bericht über die von Dr. Escherich in der Umgebung vom Angora gesammelten. Fische und Reptilia. Denkschr. Denkschr. Kais. Akad. Wiss. Wien, **64**: 685-699, 4 pls.
199. 1898. Ueber eine neue *Kuhlia*-Art aus dem Golfe von Akabah. Sitzber. Kais. Akad. Wiss. Wien, **107**, pt. 1: 461-464, pl.
200. 1898. Ueber einige neue Fischarten aus dem Rothen Meere, gesammelt während der I und II Österreichischen Expedition nach dem Rothen Meere in den Jahren 1895-96 und 1897-98. Sitzber. Kais. Akad. Wiss. Wien, **107**, pt. 1: 780-788, 2 pls.
201. 1902. Wissenschaftliche Ergebnisse der Südarabischen Expedition in den Jahren 1898 bis 1899. Fische von Südarabien und Socotra. Anz. Kais. Akad. Wiss. Wien, **39**: 316-318.
202. 1902. Ueber zwei neue Fischarten aus dem Rothen Meere. Anz. Kais. Akad. Wiss. Wien, **39**, p. 336-338.
203. 1907. Fische aus Südarabien und Sokotra. Denkschr. Kais. Akad. Wiss. Wien, **71**, p. 123-168, 2 pls.

STEINITZ, H.

204. 1949. Contribution to the knowledge of the Blenniidae of the Eastern Mediterranean, I & II. Rev. Fac. Sci. Univ. Istanbul, **14B**: 129-152, 170-197, 4 & 8 figs.
205. 1950. *Ibid*, III. Rev. Fac. Sci. Univ. Istanbul, **15B**, No. 1: 60-87, 7 figs.
206. 1951. The fishes of Ein Feshka, Palestine. Nature, **167**: 531-532.
207. 1951. A new subspecies of *Tilapia nilotica* (L.) from Palestine. Ann. Mag. Nat. Hist., (12) **4**: 513-518.

208. 1951. On the distribution and evolution of the Cyprinodont fishes of the Mediterranean region and the Near East. Bonn. Zool. Beitr., **2**: 113-124, map.
209. 1951. *Phoxinellus pararhodeus kervillei* Pellegrin, from Lake Huleh, Palestine. Bull. Res. Council Israel, I, Nos. 1 & 2: 166.
210. 1952. *Acanthobrama terrae-sanctae*, sp. n., from Lake Tiberias, Israel. Ann. Mag. Nat. Hist., (12) **5**: 293-298, 3 figs.

TILLIER, J. B.

211. 1902. Le Canal de Suez et sa faune ichthyologique. Mém. Soc. Zool. Franc., **15**: 279-318, map.
212. 1913. Note sur la pénétration de deux espèces de poissons de la Mer Rouge dans les eaux du canal de Suez. Bull. Soc. Aquicult. Paris, **25**: 90-92.

TORTONESE, ENRICO

213. 1933. Intorno ad alcuni pesci del Mar Rosso. Boll. Mus. Zool. (\*) Anat. Comp. Torino, **34**, No. 38: 221-228, pl.
214. 1934. Pesci della Persia raccolti dal Marchese Giacomo Doria (1862). Boll. Mus. Zool. Anat. Comp. Torino, (3) **44**: 153-170, pl. [Also collected from the Persian Gulf.]
215. 1935-36. Pesci del Mar Rosso. Boll. Mus. Zool. Anat. Comp. (\*) Torino, (3) **45**: 153-218, 7 figs.
216. 1938. Viaggio del Dott. Enrico Festa in Palestina e in Siria (1893). Pesci. Boll. Mus. Zool. Anat. Comp. Torino, (3) **46**: 313-358, 2 pls. & 6 figs.
217. 1947. Materiali zoologici dell'Eritrea raccolti da G. Müller durante la spedizione dell'Istituto Sieroterapico Milanese e conservati al Museo di Trieste. Pt. VII. Su alcuni Clupeidi, Percoidi e Gobiidi del Mar Rosso e Somalia. Boll. Soc. Adriat. Sci. Nat. Trieste, **43**: 81-89, fig.
218. 1948. Ricerche zoologiche nel Canale di Suez e dintorni, II. Pesci. Arch. Zool. Torino, **33**: 275-292, figs.

219. 1951-52. Ricerche sistematico-faunistiche sui Pesci d'acqua dolce dell'Anatolia, I. Cobitidae. Boll. Ist. Mus. Zool. Univ. Torino, **3**, No. 8: 1-14, 5 figs.
220. 1952. Some field notes on the fauna of the Suez Canal (Timsah and Bitter Lakes), Pub. Hydrobiol. Res. Inst. Fac. Sci. Univ. Istanbul, **1B**, No. 1: 1-6.

TREWAVAS, E.

221. 1941. Freshwater fishes collected by the British Museum (Natural History) Expedition to South-west Arabia, 1937-38. Brit. Mus. (Nat. Hist.), Vol. 1, No. 3: 7-15, 2 pls. & 1 fig.
222. 1942. The Cichlid fishes of Syria and Palestine. Ann. Mag. Nat. Hist., (11) **9**: 526-536, fig. [Full descriptions of 7 spp. and one new genus *Tristramella*.]

TRISTRAM, H. B.

223. 1867. The natural history of the Bible. London, 516 pp. Illust. [There is a description of every animal and plant mentioned in the Bible.]
224. 1884. The survey of western Palestine; the fauna and flora of Palestine. London : Palestine Exploration Fund. Freshwater fishes : 162-177, 3 pls. [38 species are recorded.]

VINCIGUERRA, D.

225. 1919. Sulla presenza della *Rhina ancylostoma* Bl., nel Mar Rosso. Ann. Mus. Civ. Stor. Nat. Genova, (3a), **8** (48), 3 pp.

WERNER, F.

226. 1929. Beiträge zur Kenntniss der Fauna von Syrien und Persien. Zool. Anz., **81** : 238-245.

WILBRAHAM, R.

227. 1839. Travels in the Trans-Caucasian provinces of Russia and along the southern shores of the lakes of Van and Urumiah in 1837. London, 477 pp. illus.

ŽARUDNY, N. A.

228. 1904. Ueber die reptilien, Amphibien und Fische von Ost-Persien. Herpetologische und ichthyologische resultate einer Excursion nach Ost-Persien in Jahre 1898. Zap. Russ. Geogr. Obse. St.-Petersb., **36**, pt. 3, pl. 42. [Text in Russian.]

**SUPPLEMENT**

BODENHEIMER, F. S.

- (30a.) 1935. Animal life in Palestine. Jerusalem : L. Mayer, 506 pp.  
229. Fishes : 422-433; 460-464.

BOULENGER, G. A.

- (42a.) 1898. A revision of the African and Syrian fishes of the family  
230. *Cichlidae*, pt. I. Proc. Zool. Soc. London : 132.  
(42b.) 1899. *Ibid*, pt. II. Proc. Zool. Soc. London : **98-143**.  
231.

BRUNELLI, G., and BINI, G.

- (47a.) 1934. Sulla immigrazione di una specie di *Teuthis* dal mar  
232. Rosso al mar Egeo. Atti Reale Accad. Naz. Lincei Roma,  
**19**, No. 4 : 255-260.

BRUUN, A. F.

- (47b.) 1935. *Parexocoetus*, a Red Sea Flying fish in the Mediterraean.  
233. Nature, London, **136** : 553.

CARNIGLIA, G. B.

- (49a.) 1923. Relazione della campagna esplorative di pesca nel mar  
234. Rosso. Boll. Inform. Econom. Roma, No. 5.

FRASER-BRUNNER, A.

- (81a.) 1950. Chaetodont fishes of the Gulf of Aden. Proc. Zool. Soc.  
235. London, **119** : 922.

GOHAR, H. A. F., and CLARK, E.

- (87a.) 1953. The fish of the Red Sea, Order Pectognathi. Publ. Marine  
236. Biol. Station Ghardaga (Red Sea), No. 8, 80 pp., 5 pls.

GRUVEL, A.

- (88a.) 1933. Abundance du *Branchiostoma lanceolatum* Pall. dans le  
237. canal de Suez. C.R. Acad Sci. Paris, 197: 92-93.

HUBBS, C. L.

- (109a.) 1927. The Suez canal as a means in the dispersal of marine  
238. fishes. Copeia, 165: 94.

KLUNZINGER, C. B.

- (119a.) 1871. Ueber den Fang und die Anwendug der Fische und andere  
239. Meeresgeschöpfe im Rothen Meere. Zeitschr. Erdkunde  
Berlin, 6: 58-72.

- (119b.) 1872. Eine zoologiske Exkursion auf ein Korallriff des Rothen  
240. Meeres bei Koseir. Zeitschr. Erkunde Berlin, 7: 20-56.

NINNI, E.

- (156a.) 1931. Relazione sulla campagna esplorativa di pesca del mar  
241. Rosso, febbraio-maggio 1929. Boll. Pesca, Pisc. e idrobiol.  
Roma, 7, fasc. 2.

NORMAN, J. R., and TREWAVAS, E.

- (160a.) 1938. Fishes in: R. Washbourn and K. F. Jones Report of the  
242. Percy Sladen Expedition to Lake Huleh; a contribution to  
the freshwaters of Palestine. Ann. Mag. Nat. Hist., (11)  
2: 517-560. Fishes: 555-557.

SANTUCCI, R.

- (190a.) 1934. Ricerche sulla fauna del mar Rosso. La biologia delle acque  
243. territoriali Eritree. Mem. R. Comm. Talassogr. Ital. 214.

SANZO, L.

- (190b.) 1926. Ricerche biologiche nella crociera idrografica con la R.  
244. Nave "Ammiraglio Magnaghi" in Mar Rosso. Atti. Soc.  
Progr. Sci. XIV Riunione, p. 516.

TORTONESE, E.

- (213a.) 1933. Intorno al *Cephalopholis hemistictus* (Rüppell). Boll. Mus.  
245. Zool. Anat. Comp. Torino, **43**, No. 35. [Occuring in the  
Red Sea.]
- (215a.) 1935. Un nuova Percoide dell'Oceano Indiano (*Hapalogenys*  
246. *pictus*, n. sp.). Boll. Mus. Zool. Anat. Comp. Torino, **45**,  
Ser. 3, No. 67: 1-4, 1 pl. [Occuring in the Red Sea.]

#### ADDENDA

Further references may be added here, and in the next page.

---

1960-1961  
and 1961-1962. The first year was spent in the field, working on the  
development of the technique of the new method. The second year  
was spent in the laboratory, developing the technique and applying it to  
the study of the structure of the DNA molecule.

#### REFERENCES

1. J. D. Watson and F. H. Crick, "Molecular Structure of Nucleic Acids", Nature, 1953, 171, 737.

## **GEOGRAPHICAL INDEX**

**ARABIA** (Arabian Sea, and the Gulfs of Aden & Oman.)

*Nos* :—8, 34, 35, 37, 38, 42, 43-46, 67, 74, 75, 81a, 82, 83, 86, 105, 144, 149, 165, 177, 179, 180, 201, 203, 221.

**IRAN** (including Persian Gulf, and the Lakes of Van and Urmiah.)

*Nos* :—11, 21, 25, 26, 28, 41, 48, 60, 68, 69, 78-80, 91, 96, 97, 106, 107, 112, 115, 138, 140, 141, 151, 153-156, 178, 180, 226-228.

**IRAQ** (Tigris & Euphrates Rivers, and inland marshes.)

*Nos* :—22-24, 76, 77, 95, 108, 113, 139, 150, 175, 192.

**JORDAN & PALESTINE** (Jordan R., Lakes of Tiberias & Galilee, and the Dead Sea.)

*Nos* :—1-4, 10, 12, 29, 30, 30a, 31, 32, 61, 62, 93, 94, 100, 101, 109, 110, 111, 116, 143, 145, 146, 148, 160a, 183, 206, 207, 209, 210, 216, 222-224.

**RED SEA** (including Suez Canal and the Gulf of Aqabah.)

*Nos* :—8, 9, 14, 27, 33, 47, 47a, 47b, 49a, 50-59, 63, 70, 71, 81, 85, 87, 87a, 88a, 89, 90, 98, 109a, 117-119, 119a, 119b, 120-125, 137-138, 147, 156a, 157-160, 164, 167, 174, 185, 186, 190, 190a, 190b, 191, 199, 200, 202, 211-213, 213a, 214, 215, 215a, 217, 218, 220, 225.

**SYRIA & LEBANON.**

*Nos* :—2, 32, 42a, 42b, 84, 88, 103, 104, 105, 145, 166, 168, 173, 184, 188, 189, 192, 197, 216, 222, 226..

**TURKEY** (= Asia Minor.)

*Nos* :—5-7, 13, 15-20, 35, 40, 49, 62, 84, 99, 114, 126-136, 142, 152, 161, 162, 169-172, 176, 182, 183, 192, 193-196, 198, 219.

**GENERAL.**

*Nos* :—39, 64-66, 72, 73, 92, 102, 163, 187, 193, 204, 205, 208.

## مقدمة

بهذا القسم المخصص للأسماك تنهى سلسلة «المصادر عن الحيوانات الفقرية للعراق والاقطار المجاورة» وقد تناولت نحو ١٢١٠ مراجع منبثقة في بطون مختلف الكتب والمجلات العلمية التي نشرت خلال المئة سنة الاخيرة • وهي موزعة بالشكل الآتي :

### عدد المراجع

٢٨٥	البيان
٤٧٤	الطيور
٢٠٤	الزواحف والبرمائيات
٢٤٦	الأسماك

وأتماماً للفائدة سنقوم باعداد نشرة تضم المصادر التي اطلعنا عليها بعد اصدار هذه الاقسام الاربعة وكذلك ما سينشر خلال السنة الحالية • ونرجو من الزملاء الباحثين موافقتنا بمخالحظاتهم وآرائهم لتكون موضع عنايتنا ولللافادة منها في المستقبل •

بشير اللوس

متحف التاريخ الطبيعي العراقي  
بغداد في ٢٠ حزيران ١٩٥٥

كلية الآداب والعلوم

متحف التاريخ الطبيعي العراقي

نشرة رقم (٧)

مصادر عن الحيوانات الفقارية للعراق  
والأقطار المجاورة

القسم الرابع

الأسماك

جمعها وعلق عليها

ببشير المؤمن م . ع .

الاستاذ المساعد لعلم الحيوان في كلية الآداب والعلوم ، والمدير المنتدب  
لمتحف التاريخ الطبيعي العراقي في بغداد



مطبعة الرابطة - بغداد  
١٩٥٥



كلية الآداب والعلوم

متحف التاريخ الطبيعي العراقي

نشرة رقم (٧)

مصادر عن الحيوانات الفقارية للعراق  
والاقطار المجاورة

القسم الرابع

الرسماك

جمعها وعلق عليها

بشير اللوين م . ع .

الاستاذ المساعد لعلم الحيوان في كلية الآداب والعلوم ، والمدير المنتدب  
لمتحف التاريخ الطبيعي العراقي في بغداد



مطبعة الرابطة - بغداد  
١٩٥٥