

ON A SMALL COLLECTION OF FISH FROM THE MERGUI ARCHIPELAGO.

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Very little collecting of fishes has been done in the little known Mergui Archipelago. It is of interest therefore to present a memorandum on a small collection made in the fish markets at three localities in the Archipelago. The fishes thus obtained are nearly all common species found generally along the shores and among the islands of the Bay of Bengal. The collection comprises 51 species, of which 37 were secured in the Mergui market. Fourteen were obtained at La-c-ala or Julia Island, which is 35 miles southwest of the town of Mergui and about 5 miles west of King Island. Six species were taken at Kmachang, a small village on the east coast of Doung Kyein Island or Ross Island.

The following were secured at Kmachang :—

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| 1. <i>Tylosurus strongylurus</i> (van Hasselt). | 4. <i>Liza vaigiensis</i> (Quoy and Gaimard). |
| 2. <i>Zenarchopterus beauforti</i> Mohr. | 5. <i>Ambassis urotaenia</i> Bleeker. |
| 3. <i>Liza macrolepis</i> A. Smith. | 6. <i>Tetraodon fluviatilis</i> Hamilton. |

The following species were obtained at La-c-ala or Julia Island :—

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| 1. <i>Chirocentrus dorab</i> (Forskål). | 8. <i>Hemiramphus unifasciatus</i> Ranzani. |
| 2. <i>Dussumieria hasselti</i> Bleeker. | 9. <i>Scomberomorus kuhli</i> (Cuv. and Val.). |
| 3. <i>Ilisha ditchela</i> (Cuv. and Val.). | 10. <i>Trichiurus muticus</i> Gray. |
| 4. <i>Sardinella fimbriata</i> (Cuv. and Val.). | 11. <i>Pampus cinereus</i> (Bloch). |
| 5. <i>Opisthopterus macrognathus</i> Bleeker. | 12. <i>Atule djedaba</i> (Forskål). |
| 6. <i>Thrissocles dussumieri</i> (Cuv. and Val.). | 13. <i>Scomberoides tol</i> (Cuv. and Val.). |
| 7. <i>Hemiramphus georgii</i> Cuv. and Val. | 14. <i>Leiognathus insidiator</i> (Bloch). |

The species secured at the Mergui market were as follows :—

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| 1. <i>Chirocentrus dorab</i> (Forskål). | 20. <i>Trichiurus haumela</i> (Forskål). |
| 2. <i>Dussumieria hasselti</i> Bleeker. | 21. <i>Pampus cinereus</i> (Bloch). |
| 3. <i>Clupeoides lile</i> (Cuv. and Val.). | 22. <i>Pampus niger</i> (Bloch). |
| 4. <i>Ilisha ditchela</i> (Cuv. and Val.). | 23. <i>Atule kalla</i> (Cuv. and Val.). |
| 5. <i>Anadontostoma chacunda</i> (Hamilton). | 24. <i>Citula armata</i> (Forskål). |
| 6. <i>Setipinna taty</i> (Cuv. and Val.). | 25. <i>Leiognathus equulus</i> (Forskål). |
| 7. <i>Scutengraulis mystax</i> (Bl. and Schn.). | 26. <i>Leiognathus insidiator</i> (Bloch). |
| 8. <i>Thrissocles setirostris</i> (Broussonet). | 27. <i>Leiognathus splendens</i> (Cuvier). |
| 9. <i>Stolephorus heterolobus</i> (Rüppell). | 28. <i>Gerres oylenea</i> (Forskål). |
| 10. <i>Coilia dussumieri</i> Cuv. and Val. | 29. <i>Gerres punctatus</i> Cuv. and Val. |
| 11. <i>Coilia ramcarti</i> (Hamilton). | 30. <i>Apogon quadrifasciatus</i> Cuv. and Val. |
| 12. <i>Arius caelatus</i> Cuv. and Val. | 31. <i>Therapon theraps</i> Cuv. and Val. |
| 13. <i>Arius truncatus</i> Cuv. and Val. | 32. <i>Upeneus sulphureus</i> Cuv. and Val. |
| 14. <i>Harpodon nehereus</i> Hamilton. | 33. <i>Johnius carutta</i> Bloch. |
| 15. <i>Hemiramphus gaimardi</i> Cuv. and Val. | 34. <i>Otolithes argenteus</i> (Cuv. and Val.). |
| 16. <i>Bregmaceros atripinnis</i> Tickell. | 35. <i>Pseudosciaena sina</i> (Cuv. and Val.). |
| 17. <i>Cynoglossus macrolepidotus</i> (Bleeker). | 36. <i>Sillago sihama</i> (Forskål). |
| 18. <i>Polynemus sextarius</i> Bl. and Schn. | 37. <i>Spheroides lunaris</i> (Bl. and Schn.). |
| 19. <i>Scomberomorus kuhli</i> (Cuv. and Val.). | |

Family CHIROCENTRIDAE.

Chirocentrus dorab (Forskål).

Two examples, each 180 mm. long, from the Mergui market, and a specimen 255 mm. long from Julia Island.

Family DUSSUMIERIDAE.

Dussumiera hasselti Bleeker.

Scales 50-52 ; gill rakers on lower arch 22. Six specimens, 70-104 mm. in length, from Mergui, and 7 from 96 to 104 mm. from Julia Island.

Family CLUPEIDAE.

Clupeoides lile (Cuv. and Val.).

Three specimens, 66 to 68 mm. long, from the Mergui market.

Ilisha ditchela (Cuv. and Val.).

Anal II—32 to 34 ; preventral scutes 18 to 20, and 9 or 10 behind the ventral origin. Two specimens, 71 and 103 mm. in length, from the Mergui market, and two, 78 and 80 mm. in length, from Julia Island.

Sardinella fimbriata (Cuv. and Val.).

One specimen, from Julia Island, is 111 mm. long.

Opisthopterus macrognathus Bleeker.

An example, 110 mm. long, was secured at Julia Island

Family DOROSOMATIDAE.

Anodontostoma chacunda (Hamilton).

Two specimens, 91 and 98 mm. long, from Mergui.

Family ENGRAULIDAE.

Setipinna taty (Cuv. and Val.).

One example from Mergui, 96 mm. long.

Scutengraulis mystax (Bl. and Schn.).

Two specimens, 92 and 102 mm. long, from Mergui.

Thrissocles dussumieri (Cuv. and Val.).

An example, 63 mm. long, is from Julia Island.

Thrissocles setirostris (Broussonet).

One specimen of 94 mm. from Mergui.

Stolephorus heterolobus (Rüppell).

Twenty-eight specimens, 40 to 50 mm. in length, from the Mergui market.

Coilia dussumieri Cuv. and Val.

One specimen from Mergui, 130 mm. long.

Coilia ramcarti (Hamilton).

One specimen from Mergui, 135 mm. long.

Family ARIIDAE.

Arius caelatus Cuv. and Val.

Two specimens, 215 and 228 mm. in length, from Mergui.

Arius truncatus Cuv. and Val.

One example, 85 mm. long, from Mergui.

Family HARPODONTIDAE.

Harpodon nehereus Hamilton.

A specimen, 170 mm. long, from Mergui.

Family BELONIDAE.

Tylosurus strongylurus (van Hasselt).

Three specimens, 230 to 265 mm. in length, from Kmachang.

Family HEMIRAMPHIDAE.

Hemiramphus gaimardi Cuv. and Val.

Four examples, 94 to 105 mm. in length, from Mergui.

Hemiramphus georgii Cuv. and Val.

Three specimens, 78 to 104 mm. in length, from Julia Island.

Hemiramphus unifasciatus Ranzani.

Five examples, 101 to 117 mm. in length, from Julia Island.

Zenarchopterus beauforti Mohr.

One specimen from Kmachang, measuring 120 mm., agrees with Dr. Mohr's description of this rare and little known species in all essentials. The types, presumably collected by Dr. Duncker, are from the Muar river, Jahore, and Kuala Selangor, Selangor, in the Malay Peninsula. Its occurrence in the Mergui Archipelago is therefore a very notable extension of its range. It probably occurs in river mouths, estuaries, and sheltered waters about islands all over the whole western coast of the Malay Peninsula and northward over an unknown distance along the Burmese coast. The presence of but 8 (rarely 9) anal rays will serve to distinguish it from other members of the genus found in Indian waters.

Family BREGMACEROTIDAE.

Bregmaceros atripinnis Tickell.

Two specimens, 56 and 66 mm. in length, of this rather rare and very interesting little fish were secured at Mergui.

Family CYNOGLOSSIDAE.

Cynoglossus macrolepidotus (Bleeker).

One example, 202 mm. long, from Mergui.

Family MUGILIDAE.

Liza macrolepis A. Smith.

Nine specimens, 75 to 130 mm. in length, from Kmachang. This is the *Mugil troscheli* of Bleeker.

Liza vaigiensis (Quoy and Gaimard).

One example, 65 mm. long, is from Kmachang.

Family POLYNEMIDAE.

Polynemus sextarius Bloch and Schneider.

Four specimens, 62 to 73 mm. in length, from Mergui.

Family SCOMBRIDAE.

Scomberomorus kuhli (Cuv. and Val.).

Dorsal XVIII/V/17+viii; anal IV/18+vii. The lateral line forms a very long gentle curve.

Three specimens, 56 to 85 mm. in length, from Mergui, and one of 65 mm. from Julia Island.

Family TRICHIURIDAE.

Trichiurus haumela (Forskäl).

Three specimens, 275 to 345 mm. in length, from Mergui.

Trichiurus muticus Gray.

Eleven specimens, 145 to 545 mm. in length, from Julia Island.

Family PAMPIDAE.

Pampus cinereus (Bloch).

Two specimens, 62 and 80 mm. in length, from Mergui, and one of 122 mm. from Julia Island.

Pampus niger (Bloch).

Five specimens from 71 to 102 mm. in length were secured at the Mergui market.

Family CARANGIDAE.

Atule djedaba (Forskål).

Two specimens, 114 and 150 mm. in length, from Julia Island.

Atule kalla (Cuv. and Val.).

One example of this common carangid was obtained at the Mergui market ; its length 76 mm.

Citula armata (Forskål).

Two juvenile examples, 52 and 53 mm. in length, from Mergui.

Scomberoides tol (Cuv. and Val.).

A young but typical example, 75 mm. long, is from Julia Island.

Family LEIOGNATHIDAE.

Leiognathus equulus (Forskål).

One specimen of 67 mm. from Mergui.

Leiognathus insidiator (Bloch).

Common in the markets. Four specimens, 48 to 53 mm. in length, from Mergui and 4 from 35 to 50 mm. from Julia Island.

Leiognathus splendens (Cuvier).

Two specimens from Mergui are 70 and 77 mm. in length.

Family GERRIDAE.

Gerres öyena (Forskål).

Two examples, 67 and 70 mm. in length, were taken at Mergui.

Gerres punctatus Cuv. and Val.

Two specimens, measuring 60 and 63 mm., are from Mergui.

Family APOGONIDAE.

Apogon quadrifasciatus Cuv. and Val.

Four poor specimens, 27 to 44 mm. in length, from the Mergui market.

Family AMBASSIDAE.

Ambassis urotaenia Bleeker.

Three specimens in bad state, and largely lacking the characteristic caudal bands, from Kmachang, evidently belong here ; their lengths 51 to 55 mm.

Family THERAPONIDAE.

Therapon theraps Cuv. and Val.

Two specimens, each 82 mm. long, are from Mergui.

FAMILY MULLIDAE.

Upeneus sulphureus Cuv. and Val.

Six examples, 46 to 84 mm. in length, from Mergui.

Family SCIAENIDAE.

Johnius carutta Bloch.

One specimen of 77 mm. from Mergui.

Otolithes argenteus (Cuv. and Val.).

Dorsal X/I/26 ; scales in lateral line 51. An example, 126 mm. long, is from Mergui.

Pseudosciaena sina (Cuv. and Val.).

Three small specimens from Mergui measure 72 to 81 mm.

Family SILLAGINIDAE.

Sillago sihama (Forskål).

Six specimens, 76 to 89 mm. in length, from Mergui.

Family TETRAODONTIDAE.

Spheroides lunaris (Bl. and Schn.).

Four specimens of this very common puffer, 100 to 121 mm. in length, from Mergui.

Tetraodon fluviatilis Hamilton.

Three examples, 60 to 69 mm. long, from Kmachang.