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PRELIMINARY FAUNAL DATA ON MARINE, TIDAL AND SEA-SHORE HABITATS OF KLONG WAN AREA, THAILAND

by SUPAP PUNPOKA MONKOLPRASIT



KASETSART UNIVERSITY FISHERY RESEARCH BULLETIN NUMBER 3

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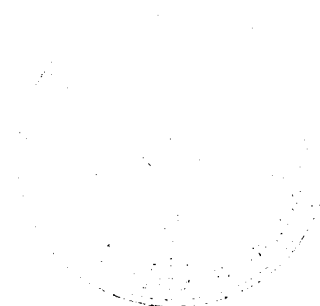
<u>Page</u>	<u>Line</u>	<u>Incorrect</u>	<u>Correct</u>
1	7	auspice	auspices
1	23	catagorized	categorized
2	8	collection	collection
6	23	Munro(1955): 42; 3 spec.	Weber and de Beaufort (1913)II: 67; 3 spec.
10	23	Scott(1959): 118; 3 spec.	Munro(1955): 224; 3 spec.
11	24	Scott(1959): 12; 6 spec.	Fowler(1941): 434; 6 spec.
12	16	Scott(1959): 25; 2 spec.	Weber and de Beaufort (1913)II: 25; 2 spec.
12	20	26	25
16	4	227	277
16	32	332	322
18	2	<u>Scatophagus argus</u> (Linnaeus)	<u>Scatophagus argus</u> (Bloch)
18	23	251	238
21	21	224	242
21	29	<u>Ambassis burnensis</u> Bleeker	<u>Ambassis buruensis</u> Bleeker
25	8	vary	vary
25	8	invertebrated	invertebrates

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**PRELIMINARY FAUNAL DATA ON
MARINE, TIDAL AND SEA - SHORE HABITATS
OF KLONG WAN AREA, THAILAND**

by

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APRIL 15, 1966

Bulletin No. 3 is printed under the auspices
of the Rockefeller Foundation

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INTRODUCTION

Marine, tidal and seashore survey of Klong Wan area is one of the most interesting projects. This project was supported by Kasetsart/Hawaii University contract, beginning in June 1963, and was terminated in May 1965. It took 2 years to collect specimens around the Klong Wan area, 8 kilometers south of Prachuab Khiri Khan province. After KU/UH contract terminating, this project was still going through publication by the auspice of the Rockefeller Foundation.

During two successive years, six trips for collecting specimens were made. The reasons of the project undertaken in Klong Wan area are to increase knowledge of organisms in the area around Kasetsart University Marine and Brackish Water Station, and as a valuable aid in conducting research and in teaching marine biology of the Faculty of Fisheries. Moreover, Klong Wan area is an interesting maritime village in the southern province of Thailand. Ecologically speaking, the environment of Klong Wan area consists of different types of habitats. The sandy beach along the shore line, offers one type of habitat, while the tidal stream passing through the village with mangrove swamp on one side and the mountain on the other side of canal, with its mouth leading to the sea, is another type. Most of people in the village earn their living by fishing both in the stream and in the sea. Fish and shellfish that have been caught are sent up to Bangkok Fish Market and to downtown market everyday. A small quantity is being sold in the village market early in the morning.

This survey project is only a preliminary work. The objectives of the project are categorized as follows:

- (a) To collect, identify and catalogue the zoological organisms of marine and tidal water, of the Klong Wan area.
- (b) To conduct the research in Fisheries Biology for the advanced study.
- (c) To investigate and study the life history of some animals of economic importance.
- (d) The result of this study would benefit Kasetsart students, especially those taking marine biology. The identified specimens would be of great help to them in identifying the unknowns.

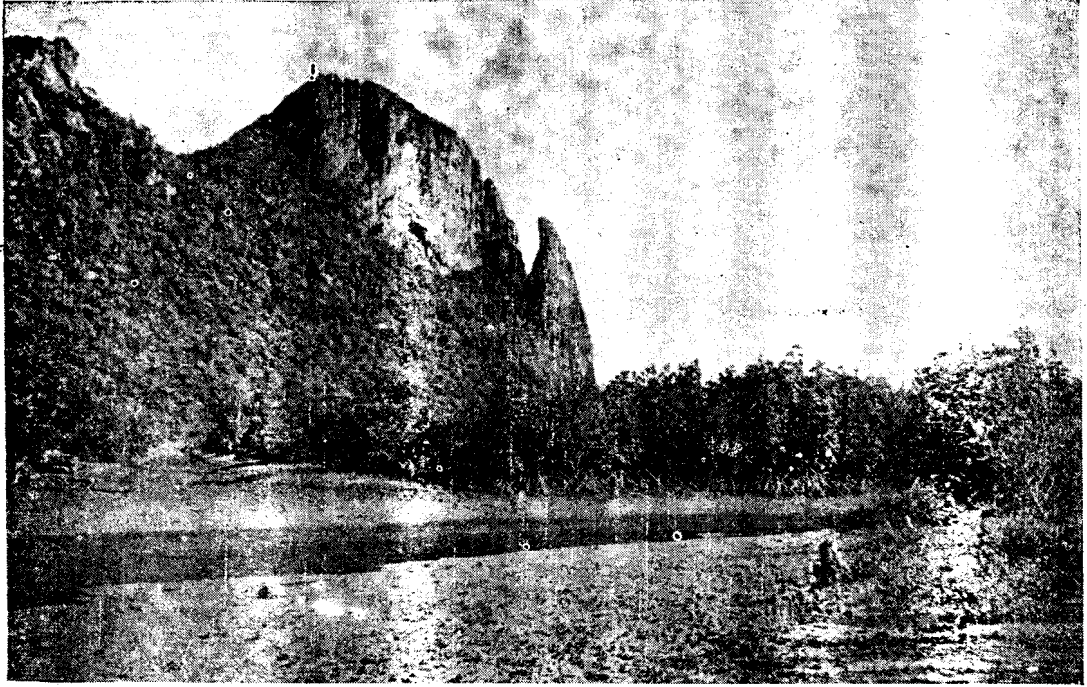
I wish to express my gratitude to the KU/UH contract and the Rockefeller Foundation for their financial support while the project being done through publication. Also my thanks go to my colleagues for helping me in different ways.

PROCEDURE

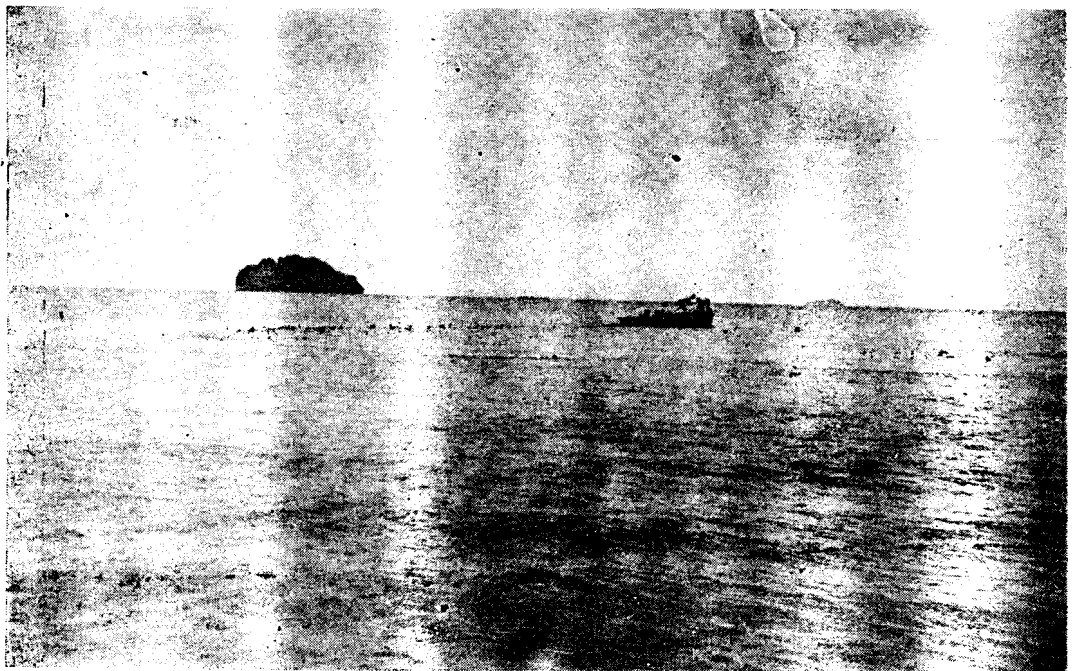
Specimens were collected from different habitats such as the tidal stream, the mangrove swamp and the village seashore. Some of the collected specimens had purchased from Klong Wan Village market. Most of the fish sold there came from bamboo trap (Poh) and fishing boats.

Equipments for collecting specimens were different for each type of habitats. Beach seine was used for seashore collection, casting net, dip-net, and traps for canal collection. Rowboats are effective for canal collection while motorboats are helpful in seining.

Specimens collected from each trip were preserved in formalin 10% and isopropyl alcohol 50%. They were then brought back to the Faculty of Fisheries for further study and identification. The method of classification followed that of Berg's. References for identifying fishes and other aquatic animals are listed in bibliography. The main references of fish classification are: Fishes of the Indo-Australian Archipelago by Max Weber and de Beaufort, vol. II to XI, 1911-1962; the Catalogue of the Fishes in the British Museum by Albert Günther, eight volumes, 1859-1870; the Marine and Freshwater Fishes of Ceylon, by Ian S.R. Munro, 1955, and so forth. Lack of good references to key out the other aquatic animals presented a big problem, since some could be worked out to genera only, in addition, lots of small fishes could only add to these difficulties.



Tidal stream with Klong Wan Mt. in background, looking easterly



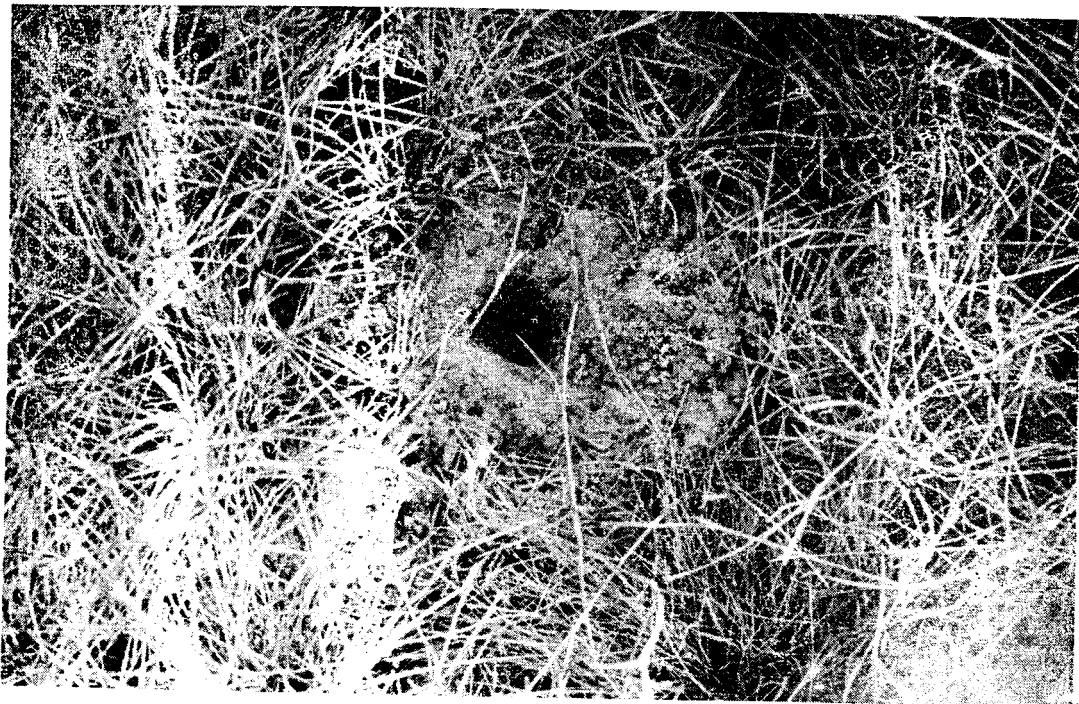
Streaming the seine



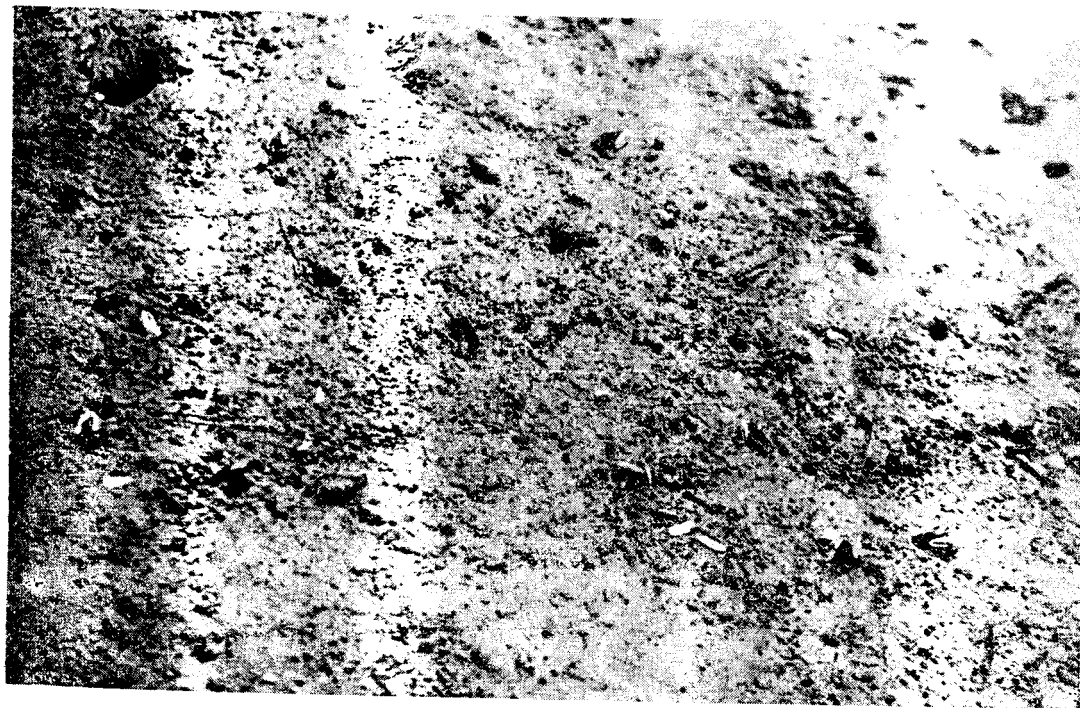
Sandy shore and the area of beaching shore seine, looking northerly with Klong Wan Mt. in background



Collection of specimens



Marsh crab habitat and burrow



Fiddler crab burrows

KLONG WAN VILLAGE MARKET COLLECTION

Each morning about five o'clock, some kinds of seafood from the night catch are brought to the small village market for sale. It is found that the number and species change in each season. Squids (*Loligo spp.*), for example, are caught in a great number from April to June and also some shrimps such as *Palaemon sp*; *Peneus monodon*; *Metapenaeus*; *monoceros*, etc. from November to January. They are found less in the other seasons. Most fish in the market at Klong Wan village are from bombo traps, put up two or three miles off shore. Seventy-four species are listed below.

ORDER RAJIFORMES

Trygonidae (Dasyatidae)

Dasyatis imbricatus (Bloch & Schneider)

Munro (1955): 14; 1 spec.

Myliobatidae (Aetobatidae)

Aetomylaeus nichofii (Bloch & Schneider)

Munro (1955): 15; 1 spec.

ORDER CLUPEIFORMES

Megalopidae

Megalops cyprinoides (Broussonet)

Weber and de Beaufort (1913) II: 5; many

Clupeidae

Clupea kanagurta (Bleeker)

Munro (1955): 42; 3 spec.

Clupea macrura (Bleeker)

Weber and de Beaufort (1913) II: 65; 4 spec.

Opisthopterus macrogathus Bleeker

Weber and de Beaufort (1913) II: 96; 2 spec.

Pellona hoevenii (Bleeker)

Weber and de Beaufort (1913) II: 86; many

Engraulidae

Engraulis grayi Bleeker

Weber and de Beaufort (1913) II: 37; 2 spec.

Engraulis mystax (Bloch & Schneider)

Weber and de Beaufort (1913) II: 38; many

Stolephorus commersonii Lacépède

Weber and de Beaufort (1913) II: 45; many

Stolephorus indicus (van Hasselt)

Weber and de Beaufort (1913) II: 46; many

Stolephorus sp.

Weber and de Beaufort (1913) II: 43; several

Chirocentridae

Chirocentrus dorab (Forskål)

Weber and de Beaufort (1913) II: 18; 4 spec.

ORDER CYPRINIFORMES

Ariidae (Tachysuridae)

Arius venosus Cuvier & Valenciennes

Munro (1955): 53; 2 spec.

Plotosidae

Plotosus anguillaris (Bloch)

Munro (1955): 51; several

ORDER BELONIFORMES

Belonidae

Tylosurus strongylurus (van Hasselt)

Weber and de Beaufort (1922) IV: 121; 3 spec.

Exocoetidae

Cypsilurus arcticeps (Günther)

Weber and de Beaufort (1922) VI: 182; 1 spec.

ORDER MUGILIFORMES

Sphyraenidae

Sphyraena jello Cuvier & Valenciennes

Munro (1955): 91; 4 spec.

Sphyraena obtusata Cuvier & Valenciennes

Munro (1955): 90; many

Mugilidae

Mugil kelaartii Günther

Munro (1955): 92; 1 spec.

ORDER POLYNEMIFORMES

Polynemidae

Eleutheronema tetradactylum (Shaw)

Weber and de Beaufort (1922) IV: 199; 1 spec.

ORDER PERCIFORMES

Serranidae

Epinephelus sexfasciatus (Cuvier & Valenciennes)

Weber and de Beaufort (1931) VI: 46; 1 spec.

Theraponidae

Pelates quadrilineatus (Bloch)

Weber and de Beaufort (1931) VI: 161; 1 spec.

Therapon jarbua (Forskål)

Weber and de Beaufort (1931) VI: 147; many

Therapon theraps Cuvier & Valenciennes

Weber and de Beaufort (1931) VI: 145; many

Sillaginidae

Sillago sihama (Forskål)

Munro (1955): 121; many

Lactariidae

Lactarius lactarius (Bloch & Schneider)

Munro (1955): 122; many

Carangidae

Atropus atropus (Bloch & Schneider)

Weber and de Beaufort (1931) VI: 202; 3 spec.

Caranx sexfasciatus Quoy & Gaimard

Weber and de Beaufort (1931) VI: 243; 2 spec.

Caranx (Carangoides) armatus (Forskål)

Weber and de Beaufort (1931) VI: 233; 4 spec.

Caranx (Carangoides) chrysophrys Cuvier & Valenciennes

Weber and de Beaufort (1931) VI: 239; many

Caranx (Selar) djedaba (Forskål)

Weber and de Beaufort (1931) VI: 214; 3 spec.

Caranx (Selar) crumenophthalmus (Bloch)

Weber and de Beaufort (1931) VI: 210; many

Caranx (Selar) malam Bleeker

Weber and de Beaufort (1931) VI: 213; many

Caranx (Selar) mate Cuvier & Valenciennes

Weber and de Beaufort (1931) VI: 207; many

Chorinemus lysan (Forskål)

Weber and de Beaufort (1931) VI: 277; 3 spec.

Chorinemus tala (Cuvier & Valenciennes)

Weber and de Beaufort (1931) VI: 281; 5 spec.

Chorinemus tol Cuvier & Valenciennes

Weber and de Beaufort (1931) VI: 283; 6 spec.

Chorinemus sp.

Weber and de Beaufort (1931) VI: 275; 4 spec.

Megalaspis cordyla (Linnaeus)

Weber and de Beaufort (1931) VI: 193; many

Selaroides leptolepis Cuvier & Valenciennes

Weber and de Beaufort (1931) VI: 262; many

Lutianidae

Lutianus lineolatus (Rüppell)

Munro (1955): 138; many

Lutianus malabaricus (Bloch & Schneider)

Munro (1955): 139; 1 spec.

Lutianus vitta (Quoy & Gaimard)

Munro (1955): 137; 1 spec.

Leiognathidae

Gazza minuta (Bloch)

Weber and de Beaufort (1931) VI: 339; many

Gerres punctatus Cuvier & Valenciennes

Weber and de Beaufort (1931) VI: 349; 1 spec.

Leiognathus daura (Cuvier)

Weber and de Beaufort (1931) VI: 332; 6 spec.

Leiognathus elongatus (Günther)

Weber and de Beaufort (1931) VI: 318; 1 spec.

Leiognathus equulus (Forskål)

Weber and de Beaufort (1931) VI: 322; 1 spec.

Leiognathus fasciatus (Lacépède)

Weber and de Beaufort (1931) VI: 320; 4 spec.

Leiognathus insidiator (Bloch)

Weber and de Beaufort (1931) VI: 316; 1 spec.

Leiognathus lineolatus (Cuvier & Valenciennes)

Weber and de Beaufort (1931) VI: 337; 1 spec.

Leiognathus splendens (Cuvier)

Weber and de Beaufort (1931) VI: 324; 6 spec.

Pomadasyidae

Pomadasyys hasta (Bloch)

Weber and de Beaufort (1936) VII: 402; 4 spec.

Pomadasyys maculatus (Bloch)

Weber and de Beaufort (1936) VII: 400; many

Sciaenidae

Johnius dussumieri (Cuvier & Valenciennes)

Munro (1955): 153; 1 spec.

Johnius soldado (Lacépède)

Munro (1955): 155; 1 spec.

Otolithus argenteus Cuvier & Valenciennes

Munro (1955): 156; 6 spec.

Lethrinidae

Lethrinus frenatus Cuvier & Valenciennes

Munro (1955): 158; 1 spec.

Trichiuridae

Trichiurus haumela (Forskål)

Scott (1959): 114; 1 spec.

Scombridae

Rastrelliger kanagurta (Cuvier)

Rofen (1963): 30; many

Rastrelliger neglectus (Van Kampen)

Rofen (1963): 32; many

Cybiidae (Scomberomoridae)

Cybium commersoni (Lacépède)

Munro (1955): 221; 2 spec.

Indocybium guttatum (Bloch & Schneider)

Munro (1955): 221; 2 spec.

Stromateidae

Parastromateus niger (Bloch)

Scott (1959): 118; 3 spec.

ORDER PLEURONECTIFORMES

Bothidae

Pseudorhombus arsius (Hamilton)

Punpoka (1964): 20; many

Cynoglossidae

Cynoglossus bilineatus (Lacépède)

Punpoka (1964): 58; 5 spec.

Cynoglossus cynoglossus (Hamilton-Buchanan)

Punpoka (1964): 60; 1 spec.

Cynoglossus macrolepidotus (Bleeker)

Punpoka (1964): 64; 2 spec.

Cynoglossus monopus (Bleeker)

Punpoka (1964): 66; 2 spec.

Paraplagusia bilineata (Bloch)

Punpoka (1964): 76; 1 spec.

Paraplagusia blochii (Bleeker)

Punpoka (1964): 78; many

ORDER TETRODONTIFORMES

Triacanthidae

Triacanthus biaculeatus (Bloch)

Weber and de Beaufort (1962) XI: 270; 1 spec.

Tetraodontidae

Chelonodon patoca (Hamilton-Buchanan)

Weber and de Beaufort (1962) XI: 390; 2 spec.

SEA - SHORE COLLECTIONS

The specimens collected from beach seining, as a previous result, 129 species of 44 families and 13 orders are found. The list of species are as follows:-

ORDER LAMNIFORMES

Orectolobidae

Chiloscyllium plagiosum (Bennett)

Fowler (1941): 86; 1 spec.

ORDER RAJIFORMES

Trygonidae

Dasyatis bleekeri (Blyth)

Munro (1955): 14; 1 spec.

Dasyatis gerrardi (Gray)

Fowler (1941): 409; 3 spec.

Dasyatis imbricatus (Bloch & Schneider)

Scott (1959): 12; 6 spec.

Dasyatis uarnak (Forskål)

Fowler (1941): 405; 1 spec.

Gymnura poecilura (Shaw)

Fowler (1941): 452; 1 spec.

Myliobatidae (Aetobatidae)

Aetomylaeus maculatus (Gray)

Munro (1955): 15; 3 spec.

ORDER CLUPEIFORMES

Clupeidae

Clupea dispilonotus (Bleeker)

Weber and de Beaufort (1913) II: 69; 2 spec.

Clupea moluccensis (Bleeker)

Weber and de Beaufort (1913) II: 81; 1 spec.

Clupea perforata (Cantor)

Weber and de Beaufort (1913) II: 74; many

Clupea sp.

Weber and de Beaufort (1913) II: 60; many babies

Clupeoides lile (Cuvier & Valenciennes)

Weber and de Beaufort (1931) II: 57; many

Clupeoides venulosus Weber & de Beaufort

Weber and de Beaufort (1913) II: 58; 1 spec.

Dorosoma chacunda (Hamilton-Buchanan)

Scott (1959): 25; 2 spec.

Dussumieria hasseltii Bleeker

Weber and de Beaufort (1913) II: 23; many

Harengula ovalis (Bennett)

Munro (1955): 26; 1 spec.

Pellona hoevenii Bleeker

Weber and de Beaufort (1913) II: 86; 1 spec.

Sardinella fimbriata (Valenciennes)

Munro (1955): 26; 1 spec.

Sardinella jussieu (Lacépède)

Munro (1955): 26; 1 spec.

Engraulidae

Engraulis dussumieri Cuvier & Valenciennes

Weber and de Beaufort (1931) II: 41; 1 spec.

Engraulis grayi Bleeker

Weber and de Beaufort (1931) II: 37; many

Engraulis mystax (Bloch & Schneider)

Weber and de Beaufort (1931) II: 38; 2 spec.

Engraulis setirostris (Broussonet)

Weber and de Beaufort (1913) II: 40; 8 spec.

Engraulis sp.

Weber and de Beaufort (1913) II: 32; many babies

Stolephorus commersonii Lacépède

Weber and de Beaufort (1913) II: 45; very many

Stolephorus indicus (van Hasselt)

Weber and de Beaufort (1913) II: 46; very many

Chirocentridae

Chirocentrus dorab (Forskål)

Munro (1955): 33; 1 spec.

ORDER SCOPELIFORMES

Synodidae (Synodontidae)

Saurida tumbil (Bloch)

Munro (1955): 37; several

Synodus indicus (Day)

Munro (1955): 36; 1 spec.

ORDER CYPRINIFORMES

Ariidae

Arius macronotacanthus Bleeker

Weber and de Beaufort (1913) II: 309; 1 spec.

Arius caelatus Cuvier & Valenciennes

Weber and de Beaufort (1913) II: 310; 2 spec.

Plotosidae

Plotosus anguillaris (Bloch)

Scott (1959): 29; 2 spec.

ORDER ANGUILLIFORMES

Ophichthyidae

Pisoodonophis cancrivorus (Richardson)

Munro (1955): 67; 1 spec.

ORDER BELONIFORMES

Belonidae

Tylosurus annulatus (Cuvier & Valenciennes)

Weber and de Beaufort (1922) IV: 126; very many

Tylosurus leiurus (Bleeker)

Weber and de Beaufort (1922) IV: 124; very many

Tylosurus strongylurus (van Hasselt)

Weber and de Beaufort (1922) IV: 121; very many

Hemirhamphidae

Hemirhamphus gaimardi Cuvier & Valenciennes

Weber and de Beaufort (1922) IV: 150; many

Hemirhamphus georgii Cuvier & Valenciennes

Weber and de Beaufort (1922) IV: 147; many

Hemirhamphus melanurus Cuvier & Valenciennes

Weber and de Beaufort (1922) IV : 151; several

Hemirhamphus unifasciatus Ranzani

Weber and de Beaufort (1922) IV : 149; very many

ORDER MUGILIFORMES

Sphyraenidae

Sphyraena jello Cuvier & Valenciennes

Munro (1955) : 91; many

Mugilidae

Mugil longimanus Günther

Weber and de Beaufort (1922) IV : 239; 1 spec.

Mugil speigleri Bleeker

Weber and de Beaufort (1922) IV : 241; very many

Mugil tade Forskål

Weber and de Beaufort (1922) IV : 236; 3 spec.

Mugil vaigiensis Quoy & Gaimard

Weber and de Beaufort (1922) IV : 244; 2 spec.

Mugil sp.

Weber and de Beaufort (1922) IV : 231; many youngs

Atherinidae

Atherina duodecimalis (Cuvier & Valenciennes)

Weber and de Beaufort (1922) IV : 275; many

Atherina forskåli Rüppell

Weber and de Beaufort (1922) IV : 274; 6 spec.

Atherina valenciennesi Bleeker

Weber and de Beaufort (1922) IV : 272; very many

ORDER POLYNEMIFORMES

Polynemidae

Eleutheronema tetradactylum (Shaw)

Weber and de Beaufort (1922) IV : 199; many

Polynemus kuru Bleeker

Weber and de Beaufort (1922) IV : 209; 1 spec.

Polynemus sextarius Bloch & Schneider

Weber and de Beaufort (1922) IV : 210; 1 spec.

ORDER PERCIFORMES

Centropomidae

Ambassis buruensis Bleeker

Weber and de Beaufort (1929) V : 417; 1 spec.

15

Ambassis gymnocephalus (Lacépède)

Munro (1955): 107; very many

Serranidae

Epinephelus sp.

Weber and de Beaufort (1913) VI: 14; 7 spec.

Theraponidae

Therapon jarbua (Forskål)

Munro (1955): 116; 3 spec.

Apogonidae

Apogon lincolatus Cuvier & Valenciennes

Weber and de Beaufort (1929) V: 347; many

Sillaginidae

Sillago maculata Quoy & Gaimard

Munro (1955): 122; 1 spec.

Sillago sihama (Forskål)

Weber and de Beaufort (1931) VI: 172; many

Lactariidae

Lactarius lactarius (Bloch & Schneider)

Munro (1955): 122; very many

Carangidae

Alectis indica (Rüppell)

Weber and de Beaufort (1931) VI: 271; 4 spec.

Atropus atropus (Bloch & Schneider)

Weber and de Beaufort (1931) VI: 202; 2 spec.

Carangoides ciliaris (Rüppell)

Fowler (1935) 87: 140; 3 spec.

Caranx (*Carangoides*) *malabaricus* (Bloch & Schneider)

Weber and de Beaufort (1931) VI: 237; many

Caranx (*caranx*) *sexfasciatus* Quoy & Gaimard

Weber and de Beaufort (1931) VI: 243; 6 spec.

Caranx (*Selar*) *djedaba* (Forskål)

Weber and de Beaufort (1931) VI: 214; many

Caranx (*Selar*) *kalla* Cuvier & Valenciennes

Weber and de Beaufort (1931) VI: 216; very many

Caranx (*Selar*) *malam* Bleeker

Weber and de Beaufort (1931) VI: 213; very many

Caranx (*Uraspis*) *uraspis* Günther

Weber and de Beaufort (1931) VI: 260; 1 spec.

Caranx sp.

Weber and de Beaufort (1931) VI: 203; many babies

Chorinemus lysan (Forskål)

Weber and de Beaufort (1931) VI: 227; 1 spec.

Chorinemus tol Cuvier & Valenciennes

Weber and de Beaufort (1931) VI: 283; 3 spec.

Megalaspis cordyla (Linnaeus)

Weber and de Beaufort (1931) VI: 193; 6 spec.

Trachinotus blochi (Lacépède)

Weber and de Beaufort (1931) VI: 286; 1 spec.

Lutianidae*Lutianus johni* (Bloch)

Weber and de Beaufort (1936) VII: 244; several

Lutianus russelli (Bleeker)

Weber and de Beaufort (1936) VII: 272; 1 spec.

Lutianus sp.

Weber and de Beaufort (1936) VII: 235; many

Leiognathidae*Gazza minuta* (Bloch)

Munro (1955): 147; many

Gerres abbreviatus Bleeker

Munro (1955): 143; 1 spec.

Gerres punctatus Cuvier & Valenciennes

Weber and de Beaufort (1931) VI: 349; 1 spec.

Leiognathus berbis (Cuvier & Valenciennes)

Weber and de Beaufort (1931) VI: 336; very many

Leiognathus brevirostris (Cuvier & Valenciennes)

Weber and de Beaufort (1931) VI: 330; very many

Leiognathus daura (Cuvier)

Weber and de Beaufort (1931) VI: 332; many

Leiognathus equulus (Forskål)

Weber and de Beaufort (1931) VI: 332; several

Leiognathus insidiator (Bloch)

Weber and de Beaufort (1931) VI: 316; very many

Leiognathus ruconius (Hamilton-Buchanan)

Weber and de Beaufort (1931) VI: 317; very many

Leiognathus splendens (Cuvier)

Weber and de Beaufort (1931) VI: 324; very many

Leiognathus spp.

Weber and de Beaufort (1931) VI: 312; many babies

Pomadasyidae

Pomadasys hasta (Bloch)

Weber and de Beaufort (1936) VII: 402; 1 spec.

Pomadasys maculatus (Bloch)

Weber and de Beaufort (1936) VII: 400; several

Plectorhynchus pictus (Thunb.)

Weber and de Beaufort (1936) VII: 426; many youngs

Sciaenidae

Johnius belengeri (Cuvier & Valenciennes)

Weber and de Beaufort (1936) VII: 533; several

Johnius carutta Bloch

Munro (1955): 155; very many

Johnius coibor (Hamilton-Buchanan)

Munro (1955): 154; very many

Johnius dussumieri (Cuvier & Valenciennes)

Munro (1955): 153; many

Otolithes argenteus (Cuvier & Valenciennes)

Weber and de Beaufort (1936) VII: 492; very many

Otolithes lateoides Bleeker (?)

Weber and de Beaufort (1936) VII: 488; 3 spec.

Otolithes ruber (Bloch & Schneider)

Weber and de Beaufort (1936) VII: 490; many

Otolithes sp.

Weber and de Beaufort (1936) VII: 487; 1 spec.

Sciaena dussumieri (Cuvier & Valenciennes)

Munro (1955): 153; very many

Mullidae

Mulloidichthys sp.

Weber and de Beaufort (1931) VI: 373; several babies

Parupeneus sp.

Weber and de Beaufort (1931) VI: 378; 1 spec.

Upeneus sulphureus Cuvier & Valenciennes

Munro (1955): 163; 3 spec.

Drepanidae

Drepane punctata (Linnaeus)

Munro (1955): 169; 9 spec.

Scatophagidae

Scatophagus argus (Linnaeus)

Weber and de Beaufort (1936) VII: 6; 1 spec.

Callionymidae

Callionymus sagitta Pallas

Munro (1955): 208; many

Trichiuridae

Trichiurus haumela (Forskål)

Munro (1955): 217; 1 spec.

Scombridae

Rastrelliger kanagurta (Cuvier)

Rofen (1963): 30; many

Cybiidae

Cybium commersoni (Lacépède)

Munro (1955): 221; 1 spec.

Stromateidae

Parastromateus niger (Bloch)

Munro (1955): 224; several

Gobiidae

Accentrogobius viridipunctatus (Cuvier & Valenciennes)

Munro (1955): 240; 1 spec.

Glossogobius biocellatus (Cuvier & Valenciennes)

Munro (1955): 251; 5 spec.

Synanceidae

Minous monodactylus (Bloch & Schneider)

Munro (1955): 251; 5 spec.

Platycephalidae

Platycephalus indicus (Linnaeus)

Weber and de Beaufort (1962) XI: 131; 2 spec.

Platycephalus scaber (Linnaeus)

Weber and de Beaufort (1962) XI: 140; many

ORDER PLEURONECTIFORMES

Bothidae

Pseudorhombus arsius (Hamilton)

Punpoka (1964): 20; 2 spec.

Cynoglossidae

Cynoglossus bilineatus (Lacépède)

Punpoka (1964): 58; several

Cynoglossus cynoglossus (Hamilton-Buchanan)

Punpoka (1964): 60; several

Cynoglossus monopus (Bleeker)

Punpoka (1964): 66; many

Paraplagusia bilineata (Bloch)

Punpoka (1964): 76; many

Paraplagusia blochii (Bleeker)

Punpoka (1964): 78; 1 spec.

ORDER ECHENEIFORMES

Echeneidae

Echeneis naucrates Linnaeus

Munro (1955): 268; 1 spec.

ORDER TETRODONTIFORMES

Triacanthidae

Triacanthus biaculeatus (Bloch)

Weber and de Beaufort (1962) XI: 270; 4 spec.

Triacanthus blochi Bleeker

Weber and de Beaufort (1962) XI: 271; several

Triacanthus nieuhofii Bleeker

Weber and de Beaufort (1962) XI: 275; several youngs

Balistidae

Laputa cingalensis Fraser-Brunner

Munro (1955): 274; 6 spec.

Tetrodontidae

Chelonodon patoca (Hamilton-Buchanan)

Weber and de Beaufort (1962) XI: 390; several

Sphoeroides lunaris (Bloch & Schneider)

Weber and de Beaufort (1962) XI: 378; many

Sphoeroides oblongus (Bloch)

Weber and de Beaufort (1962) XI: 381; 3 spec.

KLONG WAN TIDAL STREAM COLLECTION

On both sides of the muddy - bottom stream usually growing the mangroves, a million of crab holes, when low tide, can be seen along the sides. The fiddler crabs (*Uca spp.*) live in the mud. Besides these, numerous varieties of marsh crabs abound on the muddy flat such as *Sesarma spp.*

Other invertebrates are also found on some parts of the stream; they are snails (*Cerithium spp.*), mud crabs (*Metapograpsus spp.*), blue crab (*Scylla serrata*), many species of shrimps (*Palaemon sp.*; *Peneus sp.*; *Metapenaeus sp.*). Besides these, 72 species of fishes are caught by casting net and dip-net. The species of fishes are listed below.

ORDER CLUPEIFORMES

Megalopidae

- Megalops cyprinoides* (Broussonet)
Munro (1955): 23; 2 spec.

Clupeidae

- Clupea dispilonotus* (Bleeker)
Weber and de Beaufort (1913) II: 69; 3 spec.
Clupea perforata (Cantor)
Weber and de Beaufort (1913) II: 74; many
Clupea sp.
Weber and de Beaufort (1913) II: 60; many young
Clupeoides lile (Cuvier & Valenciennes)
Weber and de Beaufort (1913) II: 57; 3 spec.

Engraulidae

- Engraulis grayi* Bleeker
Weber and de Beaufort (1913) II: 37; 3 spec.
Stolephorus indicus (van Hasselt)
Weber and de Beaufort (1913) II: 46; 1 spec.

Chanidae

- Chanos chanos* (Forskål)
Munro (1955): 34; many

ORDER CYPRINIFORMES

Ariidae (Tachysuridae)

- Arius sagor* (Hamilton-Buchanan)
Weber and de Beaufort (1913) II: 289; 3 spec.

Plotosidae

- Plotosus canius* Hamilton-Buchanan
Munro (1955): 51; 3 spec.

Bagridae

Macrones gulio (Hamilton-Buchanan)

Weber and de Beaufort (1913) II: 344; many

ORDER BELONIFORMES

Hemirhamphidae

Hemirhamphus gaimardi Cuvier & Valenciennes

Weber and de Beaufort (1922) IV: 150; several

Hemirhamphus melanurus Cuvier & Valenciennes

Weber and de Beaufort (1922) IV: 151; several

ORDER MUGILIFORMES

Mugilidae

Mugil borneensis Bleeker

Weber and de Beaufort (1922) IV: 249; 1 spec.

Mugil dussumieri Cuvier & Valenciennes

Weber and de Beaufort (1922) IV: 235; many

Mugil kelaartii Günther

Günther (1861) III: 414; many youngs

Mugil subviridis Cuvier & Valenciennes

Weber and de Beaufort (1922) IV: 243; several

Mugil vaigiensis Quoy & Gaimard

Weber and de Beaufort (1922) IV: 224; many

Mugil sp.

Weber and de Beaufort (1922) IV: 231; many youngs

Atherinidae

Atherina valenciennesi Bleeker

Weber and de Beaufort (1922) IV: 272; many

ORDER PERCIFORMES

Centropomidae

Ambassis burnensis Bleeker

Weber and de Beaufort (1929) V: 417; several

Ambassis commersoni Cuvier & Valenciennes

Weber and de Beaufort (1922) V: 406; several

Ambassis dayi Bleeker

Munro (1955): 107; 1 spec.

Ambassis interrupta Bleeker

Weber and de Beaufort (1929) V: 415; many

Ambassis kopsi Bleeker

Weber and de Beaufort (1929) V: 405; 1 spec.

Ambassis urotaenia Bleeker

Weber and de Beaufort (1929) V: 404; many

Ambassis sp.

Weber and de Beaufort (1929) V: 398; many babies

Serranidae

Epinephelus arcolatus (Forskål)

Weber and de Beaufort (1931) VI: 37; 1 spec.

Epinephelus bleekeri (Vaillant & Bocourt)

Weber and de Beaufort (1931) VI: 40; 1 spec.

Epinephelus tauvina (Forskål)

Weber and de Beaufort (1931) VI: 60; 3 spec.

Theraponidae

Therapon jarbua (Forskål)

Munro (1955): 116; many

Apogonidae

Apogon sangiensis Bleeker

Weber and de Beaufort (1929) V: 343; 3 spec.

Siliaginidae

Sillago sihama (Forskål)

Munro (1955): 121; 1 spec.

Carangidae

Caranx (Selar) djedaba (Forskål)

Weber and de Beaufort (1931) VI: 214; many

Chorinemus lysan (Forskål)

Weber and de Beaufort (1931) VI: 277; 1 spec.

Chorinemus sp.

Weber and de Beaufort (1931) VI: 275; 1 spec.

Lutianidae

Lutianus argentimaculatus (Forskål)

Weber and de Beaufort (1936) VII: 246; 2 spec.

Lutianus johni (Bloch)

Weber and de Beaufort (1936) VII: 244; 1 spec.

Lutianus russelli (Bleeker)

Weber and de Beaufort (1936) VII: 272; 2 spec.

Lutianus vaigiensis (Quoy and Gaimard)

Weber and de Beaufort (1936) VII: 279; 1 spec.

Leiognathidae

Gazza minuta (Bloch)

Munro (1955): 147; 1 spec.

Gerres abbreviatus Bleeker

Munro (1955): 143; 1 spec.

Gerres punctatus Cuvier & Valenciennes

Weber and de Beaufort (1931) VI: 349; several youngs

Leiognathus brevirostris (Cuvier & Valenciennes)

Weber and de Beaufort (1931) VI: 330; many

Leiognathus equulus (Forskål)

Weber and de Beaufort (1931) VI: 322; several

Leiognathus lineolatus (Cuvier & Valenciennes)

Weber and de Beaufort (1931) VI: 337; 1 spec.

Leiognathus splendens (Cuvier)

Weber and de Beaufort (1931) VI: 324; many

Leiognathus sp.

Weber and de Beaufort (1931) VI: 312; many babies

Pomadasyidae

Pomadasys argyreus (Cuvier & Valenciennes)

Weber and de Beaufort (1936) VII: 406; 1 spec.

Pomadasys hasta (Bloch)

Weber and de Beaufort (1936) VII: 402; several

Pomadasys maculatus (Bloch)

Weber and de Beaufort (1936) VII: 400; 3 spec.

Sciaenidae

Otolithus ruber (Bloch & Schneider)

Munro (1955): 156; 1 spec.

Mullidae

Mulloidichthys sp.

Weber and de Beaufort (1931) VI: 373; 2 babies

Upeneus sulphureus Cuvier & Valenciennes

Weber and de Beaufort (1931) VI: 364; many

Psettidae (Monodactylidae)

Monodactylus argenteus (Linnaeus)

Munro (1955): 166; 3 spec.

Scatophagidae

Scatophagus argus (Bloch)

Weber and de Beaufort (1936) VII: 6; many

Callionymidae

Callionymus sagitta Pallas

Munro (1955): 208; 2 spec.

Siganidae

Siganus punctatissimus Fowler & Bean

Weber and de Beaufort (1951) IX: 117; 1 spec.

Eleotridae

Butis butis (Hamilton-Buchanan)

Munro (1955): 230; 3 spec.

Ophiocara porocephala (Cuvier & Valenciennes)

Munro (1955): 231; several

Gobiidae

Acentrogobius viridipunctatus (Cuvier & Valenciennes)

Munro (1955): 240; several

Bathygobius fuscus (Rüppell)

Munro (1955): 239; several

Brachygobius sua (H.M. Smith)

Smith (1945): 549; 1 spec.

Glossogobius giuris (Hamilton-Buchanan)

Munro (1955): 239; 1 spec.

Stigmatogobius javanicus (Bleeker)

Munro (1955): 241; several youngs

Taenioides anguillaris (Linnaeus)

Weber and de Beaufort (1953) X: 273; 1 spec.

Periophthalmidae (Apocryptidae)

Bolcophthalmus boddarti (Pallas)

Smith (1945): 565; 3 spec.

Periophthalmus barbarus (Linnaeus)

Smith (1945): 556; 2 spec.

Platycephalidae

Platycephalus scaber (Linnaeus)

Weber and de Beaufort (1962) XI: 140; 1 spec.

ORDER TETRODONTIFORMES

Triacanthidae

Triacanthus biaculeatus (Bloch)

Munro (1955): 273; 1 spec.

Tetrodontidae

Sphoeroides lunaris (Bloch & Schneider)

Weber and de Beaufort (1962) XI: 378; 4 spec.

Tetraodon fluvialis Hamilton-Buchanan

Weber and de Beaufort (1962) XI: 395; 1 spec.

CONCLUSION

Fishes were collected at Klong Wan village, Prachuab Khiri Khan province, Thailand, where there exists a diversity of habitats. Six collecting trips between June 1963 to May 1965 were made during a 2-year period. Collecting was more concentrated on fishes rather than to other animals. Numbers of fishes taken by locality were: the Klong Wan village market 74 spp.; the sea-shore 129 spp.; and the tidal stream 72 spp. Most of them are edible. In the village fish market, number of species and their sizes very according to season. Certain invertebrates were also taken: squids (*Loligo spp.*) abundant between April and June; and shrimps (*Palaemon spp.*, *Peneus spp.*, *Metapenaeus spp.*, etc.) found in great numbers between November and January.

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