

THE SCIENTIFIC CLASSIFICATION OF SOME OF THE  
SEA FISHES AT MOMBASA

BY R. J. CUNINGHAME, F.Z.S.

Some months ago readers may remember an article under my name dealing with my experiences while making a scientific collection of sea fishes at Mombasa for the British Museum. This collection has now been worked out and classified by Mr. C. Tate Ragan, M.A., and I here epitomise the results of our joint labours.

To the average reader I fear that the information given will prove of little interest on account of its highly technical character. My attempt to familiarise these marine fish by appending popular nomenclature has, I must say, been signally unsuccessful owing to the fact that comparatively few individual tropical sea fish possess any English name. To give the derivatives of the scientific names and the literal translation of such would serve no useful purpose—therefore I have mainly confined the popular naming to some of the orders and families.

The inclusion of the Swahili native names may possibly be of *local* interest, but of course they have no scientific value whatsoever—while the remaining data may possibly be of real value in the study of fish-migration when compared with similar observations at widely different localities.

There is a big field for further research among the *Scombridae* (Mackerels) and the *Blenniidae* (Blennies)—the former from a practical and sporting point of view, and the latter from a purely scientific standpoint—and I hope to be able to furnish some further information of a more readable nature concerning these two large groups of sea fish in due course.

## CLASSIFICATION OF SOME MOMBASA SEA FISH

Scientific Name	Popular Name	Swahili Native Name	Max. Weight	Season <sup>1</sup>
Order Isospondyli . . .	Feather backs			
Fam. Elopidae . . .				
<i>Megalops cyprinoides</i> . . .		Pawali	4 lb.	S.W. M.
Fam. Chirocentridæ . . .				
<i>Chirocentrus dorab</i> . . .	The dorab	Panga	2 "	Mar. to May
Fam. Clupeidæ . . .	The herring tribe			
<i>Clupea sirm</i> . . .		Seemu wzeewa		N.E. M.
<i>Clupea punctata</i> . . .		Seemu yati		Annual
<i>Pellawa brachysoma</i> . . .		Semmu marto		S.W. M.
<i>Engraulis indicus</i> . . .		Wali wam-punga		Annual
Order Ostariophysii . . .				
Fam. Plotosidæ . . .				
<i>Plotosus anguillaris</i> . . .		Umtouzi	4 "	Annual
Order Apodes . . .				
Fam. Murænidae . . .	Eels			
<i>Muræna picta</i> . . .		Mukunga umbono		S.W. M.
<i>Muræna undulata</i> . . .		"		S.W. M.
Fam. Congridæ . . .	Congers			
<i>Conger marginatus</i> . . .		"		S.W. M.
Order Inismi . . .				
Fam. Synodontidæ . . .				
<i>Saurida nebulosa</i> . . .	Gar pike			
Order Syngnathii . . .				
Fam. Hemirhamphidæ . . .				
<i>Hemirhamphus dussumieri</i> . . .		Tchutchungi	$\frac{1}{2}$ "	Annual
Order Sdenichthyes . . .				
Fam. Aulostomatidæ . . .				
<i>Aulostoma chinense</i> . . .	Flute-mouthed fish	Bamvova	2 "	Annual
Fam. Fistulariidæ . . .				
<i>Fistularia depressa</i> . . .	Flute-mouthed fish	Taua	$\frac{1}{2}$ "	Annual
Fam. Amphisilidæ . . .				
<i>Amphisile punctulata</i> . . .	Flute-mouthed fish			
Fam. Syngnathidæ . . .	Pipe Fish			
<i>Gastroteleus biculeatus</i> . . .				
<i>Yozia bicarclata</i> . . .				
Order Berycomorphi . . .	Spiny-finned Slime heads			
Fam. Holocentridæ . . .				

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Annual = Present throughout the year.

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<i>Myripristis adustus</i> . . .		Foofoo	1 lb.	N.E. M.
<i>Holocentrum sammara</i> . . .		Kifoovoo	1 "	N.E. M.
" <i>rubrum</i> . . .		"	1 "	N.E. M.
" <i>diadema</i> . . .		"	1 "	N.E. M.
Order Percomorphi . . .				
Fam. Serranidæ . . .	Sea perches			
<i>Epinephelus louti</i> . . .		Coakque	7 "	N.E. M.
" <i>urodebus</i> . . .		Boromali	1 "	N.E. M.
<i>Therapon servus</i> . . .		Cooie	1 "	Annual
<i>Grammistes sealineatus</i> . . .				
Fam. Carangidæ . . .	Horse mac- kerels			
<i>Megalaspis rotleri</i> . . .		Fua maji	4 "	S.W. M.
<i>Decapterus kurra</i> . . .		Umzeepwey	$\frac{1}{2}$ "	N.E. M.
<i>Carangoides lioglossus</i> . . .		Halooa	4 "	Annual
" <i>djeddaba</i> . . .		Goola	$\frac{1}{2}$ "	Mar. to May.
" <i>gymnostethoides</i> . . .		Koli koli	50 "	Nov. to Sept.
<i>Trachusops crumenophthalmus</i> . . .				
<i>Caranx carangus</i> . . .		Dowupwari	8 lb.	Annual
" <i>hippos</i> . . .		Umbooi	1 "	S.W. M.
" <i>melampygus</i> . . .		Kordway	2 "	N.E. M.
<i>Alectis ciliaris</i> . . .		Gamier	2 "	N.E. M.
<i>Scombroides sancti-petri</i> . . .		Pandu	4 "	Annual
<i>Trachymotus ovatus</i> . . .		Visessi	3 "	Annual
Fam. Coryphænidæ . . .				
<i>Coryphæna hippurus</i> . . .	Dolphin fish	Faloosi	30 "	N.E. M.
Fam. Chilodipteridæ . . .	Long fins			
<i>Chilodipterus quinquelineatus</i> . . .				
" <i>octovittatus</i> . . .		Karange		N.E. M.
<i>Apogon auritus</i> . . .				
" <i>variegatus</i> . . .				
" <i>annularis</i> . . .		Fuvu	1 "	N.E. M.
" <i>macropteroides</i> . . .		Kikarangi		N.E. M.
Fam. Sillaginidæ . . .				
<i>Sillago sihama</i> . . .		Mukoopi		Annual
Fam. Lutianidæ . . .				
<i>Lutianus macoloe</i> . . .				
" <i>bengalensis</i> . . .		Tembo sin- dano	1 "	N.E. M.
" <i>gibbus</i> . . .		Numba or Mukunga umbono	2 "	Annual
" <i>bohar</i> . . .		Cazanda	8 "	N.E. M.
<i>Cæsto chrysozona</i> . . .				
Fam. Nemipteridæ . . .				
<i>Synagris bleekeri</i> . . .		Koana		S.W. M.
<i>Scolopsis japonicus</i> . . .		Vigoobi		S.W. M.
Fam. Pomadasidæ . . .				
<i>Pomadasys stridens</i> . . .		Kiramba	3 "	S.W. M.

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<i>Plectorhynchus reticulatus</i> . . .		Footey	6 lb.	Annual
" <i>radja</i> . . .		Cooie	1 "	Annual
" <i>sordidus</i> . . .				
" <i>gaterina</i> . . .		Umlaia	2 "	N.E. M.
Fam. Liognathidæ . . .				
<i>Liognathus insidiator</i> . . .		Korokoro		S.W. M.
<i>Gerres filamentosus</i> . . .		Thapembe		S.W. M.
" <i>oblongus</i> . . .		Tcha	1 "	Annual
Fam. Mullidæ . . .	Mullets			
<i>Upeneus indicus</i> . . .		Mukundaji	2 "	Annual
<i>Upeneoides vittatus</i> . . .		Sonyo	1 "	Annual
Fam. Lethrinidæ . . .				
<i>Sphærodon grandoculis</i> . . .		Tchanzewa	5 "	N.E. M.
<i>Lethrinus Narak</i> . . .		Umtchia	2 "	Annual
		Koofa		
" <i>latifrons</i> . . .		Nyamvi	1 "	Annual
" <i>rostratus</i> . . .		Kibora	8 "	Annual
" <i>ramak</i> . . .		Tawa	10 "	Annual
" <i>insulindicus</i> . . .		Tangu	1 "	Annual
" <i>opercularis</i> . . .		Tchkuana	4 "	N.E. M.
Fam. Sparidæ . . .	Sea breams			
<i>Chrysophrys hasta</i> . . .		Techayna	2 "	Annual
<i>Orenidens forskalii</i> . . .		Keesway	1 "	N.E. M.
Fam. Monodactylidæ . . .				
<i>Monodactylus falciformis</i> . . .		Tchambeyu	$\frac{1}{2}$ "	Annual
Fam. Ephippidæ . . .	Sea bats			
<i>Platax teira</i> . . .		Toogoo	6 "	S.W. M.
<i>Platax vespertilio</i> . . .		Tangesi	8 "	Annual
Fam. Chætodontidæ . . .	Scaly-finned fishes			
<i>Chætodon setifer</i> . . .		Kitalangu		N.E. M.
" <i>biocellatus</i> . . .				
<i>Holacanthus imperator</i> . . .		Kaliwaywa	2 "	N.E. M.
" <i>diacanthus</i> . . .		"	2 "	N.E. M.
" <i>ignatus</i> . . .		"	2 "	N.E. M.
Fam. Parapercidæ . . .	Perch			
<i>Parapercis hexophthalma</i> . . .		Dauway		S.W. M.
Fam. Pomacentridæ . . .	Wrasse-like fishes			
<i>Amphiprion bicinctus</i> . . .		Drodosee		Annual
<i>Dascyllus trimaculatus</i> . . .		Undrodosee		Annual
<i>Glyphidodon caelestinus</i> . . .		Drodosee		Annual
" <i>antjerius</i> . . .				
Fam. Labridæ . . .	Wrasse-like fishes			
<i>Coris formosa</i> . . .		Mwanza	$\frac{1}{2}$ "	S.W. M.
" <i>annulata</i> . . .		Muhunzi wa mamoi	2 "	N.E. M.
<i>Julis dorsalis</i> . . .		Deezi		Annual
" <i>trilobata</i> . . .				
" <i>hebraica</i> . . .		Unrootootoo		N.E. M.
" <i>umbrostigma</i> . . .				

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<i>Stethojulis strigiventer</i> . . .				
" <i>albivittata</i> . . .				
<i>PlatyGLOSSUS hortulanus</i> . . .				
<i>Anampses meleagris</i> . . .		Kanga	$\frac{1}{2}$ lb.	N.E. M.
<i>Cheilio inermis</i> . . .		Bolavuvi	$\frac{1}{2}$ "	
<i>Gomphosus varius</i> . . .		Pona kaseeki		
<i>Novacula macrolepidota</i> . . .				
" <i>taeniurus</i> . . .		Umtimbarti	$\frac{1}{2}$ "	N.E. M.
" <i>bimaculata</i> . . .		"		
<i>Cosyphus bilunulatus</i> . . .		Tooye	1 "	N.E. M.
<i>Cheilinus mossambicus</i> . . .		Kilumbaka	$\frac{1}{2}$ "	Annual
<i>Epibulus insidiator</i> . . .		Shoari	50 "	N.E. M.
Fam. Scaridae . . .	Parrot wrasses			
<i>Pseudoscarus pyrrhostethus</i> . . .		Quanga	6 "	Annual
<i>Scarichthys auritus</i> . . .				
" <i>caeruleopunctatus</i> . . .		Pona	$\frac{1}{2}$ "	Annual
<i>Callyodon spinidens</i> . . .		Citefua	2 "	N.E. M.
" <i>viridescens</i> . . .		"	2 "	N.E. M.
Fam. Polynemidae . . .	Spine-finned fishes			
<i>Polynemus plebejus</i> . . .		Ukeesi Komway	2 "	Annual
Fam. Sphyrænidæ . . .	Barracudas			
<i>Sphyræna commersonii</i> . . .		Tangesi	8 "	Annual
" <i>kenie</i> . . .		Tana	1 "	Annual
Fam. Mugilidæ . . .	Mullets			
<i>Mugil axillaris</i> . . .		Beeneeni	3 "	Annual
Fam. Atherinidæ . . .	Sandsmelts			
<i>Atherina pinguis</i> . . .		Ookoosi		Annual
Fam. Scombridæ . . .	Mackerels			
<i>Scomber microlepidotus</i> . . .		Oona	$\frac{1}{2}$ "	Annual
<i>Acanthocybium solandri</i> . . .	Bonito	Unguo	80 "	Annual
Fam. Siganidæ . . .				
<i>Siganus nebulosus</i> . . .		Tarfi	3 "	N.E. M.
" <i>stellatus</i> . . .		Tarfi mayenga	2 "	April only
Fam. Teuthididæ . . .				
<i>Naseus brevirostris</i> . . .	Unicorn-fish	Poodju pamba	4 "	N.E. M.
" <i>tuberosus</i> . . .		" gamier	5 "	N.E. M.
<i>Keris amboinensis</i> . . .				
<i>Teuthis triostigus</i> . . .		Togo	2 "	Annual
" <i>gahn</i> . . .		Kangadja	4 "	N.E. M.
" <i>leucosternon</i> . . .		" Marembo	4 "	N.E. M.
<i>Zebriasoma rueppellii</i> . . .		Tumbacho	2 "	N.E. M.
<i>Oolocopus Nepatus</i> . . .		Poodju	2 "	N.E. M.
<i>Zanclus cornutus</i> . . .		Tantange		April only
Order Scleroparei . . .				
Fam. Scorpenidæ . . .				
<i>Scorpana longicornis</i> . . .		Tohalie	$\frac{1}{2}$ "	Annual

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Fam. Synanceidæ . . . <i>Synanceia verrucosa</i> . . .		Boatcho		Very rare
Fam. Platycephalidæ . . . <i>Platycephalus tentaculatus</i> . . .		Vumbana	5 lb.	Annual
Fam. Dactylopteridæ . . . <i>Dactylopterus orientalis</i> . . .	Flying gurnards			
Order Plectognathi . . .	Comb-gilled fishes			
Fam. Balistidæ . . . <i>Monacanthus pardalis</i> . . .	File fishes	Schareefu pembe	2 "	S.W. M.
" <i>oblongus</i> . . .		Schareefu	2 "	N.E. M.
<i>Aluteres scriptus</i> . . .		"	2 "	N.E. M.
<i>Balistes erythron</i> . . .		Kete	1 "	N.E. M.
" <i>undulatus</i> . . .		Kilanda	2 "	N.E. M.
" <i>aculeatus</i> . . .		"	2 "	N.E. M.
" <i>mitis</i> . . .		Tundui	2 "	N.E. M.
Fam. Ostracionidæ . . . <i>Ostracion punctatus</i> . . .	Coffer fishes	Engombi ya maji		Annual
" <i>fornasini</i> . . .		Omeeego		Annual
" <i>cubicus</i> . . .		Engombi ya maji		Annual
Fam. Tetodontidæ . . . <i>Tropidichthys valentini</i> . . .	Globe fishes	Weiyo	1 "	Annual
Order Heterosomata . . . Fam. Bothidæ . . . <i>Platophrys pantherinus</i> . . .		Weiyo	1 "	Annual

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## A LIST OF BUTTERFLIES COLLECTED DURING THE LAST TEN YEARS IN BRITISH EAST AFRICA

BY REV. K. ST. AUBYN ROGERS, F.E.S.

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The knowledge of the butterfly fauna of Tropical Africa has been extending with great rapidity during the last few years. Many papers have been published on collections made in the country, so that I have not found it possible to collate