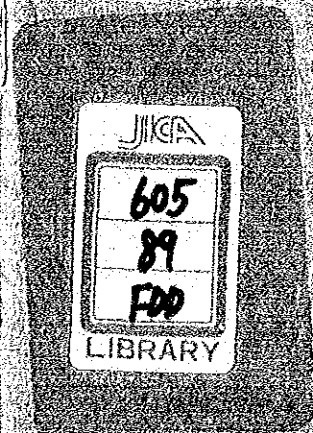


21/4/89

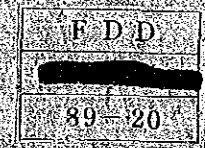
No. 44

**REPORT FOR**  
**THE FISHERIES RESOURCES SURVEY**  
**OFF THE PACIFIC COAST**  
**IN THE REPUBLIC OF COSTA RICA**  
**APPENDIX VOLUME 2**


MARCH 1989



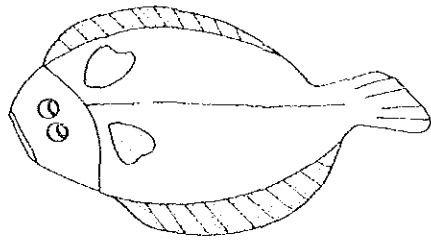
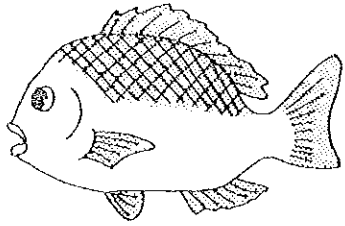
**JAPAN INTERNATIONAL COOPERATION AGENCY**  
**(JICA)**



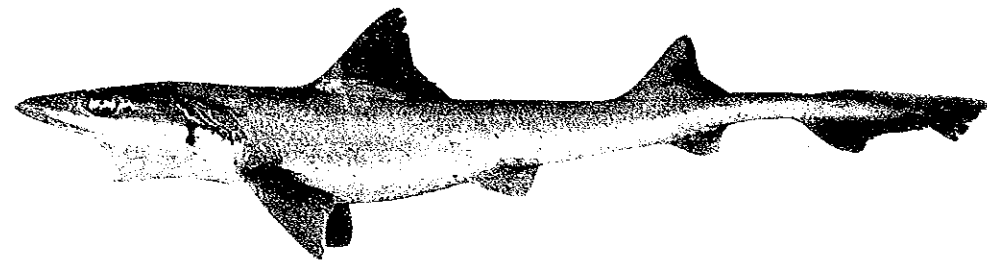
20166

JICA LIBRARY  
  
1078124(3)

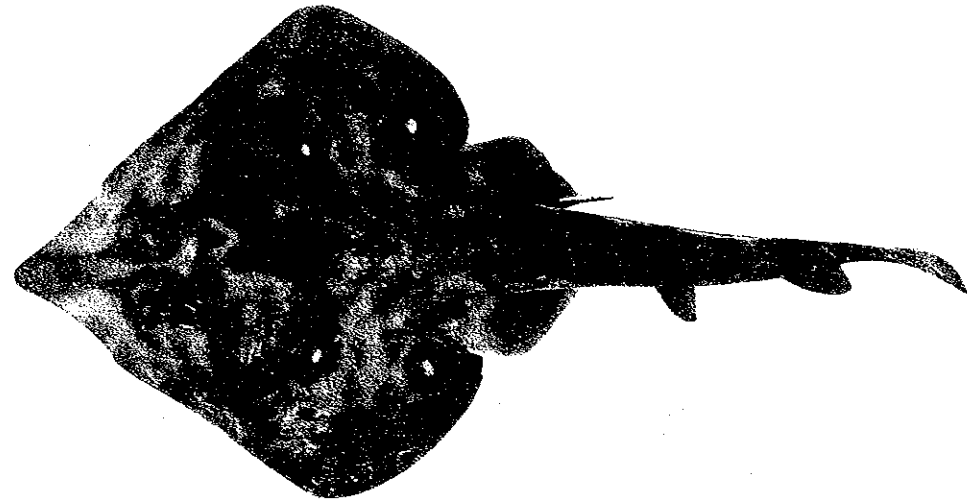
国際協力事業団  
20166



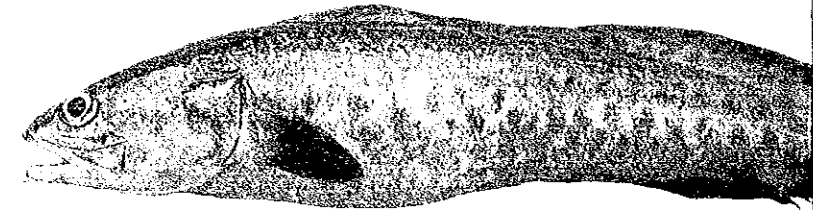
- |   |                           |
|---|---------------------------|
| 1 | Scientific classification |
| 2 | Local Name                |
| 3 | Size                      |



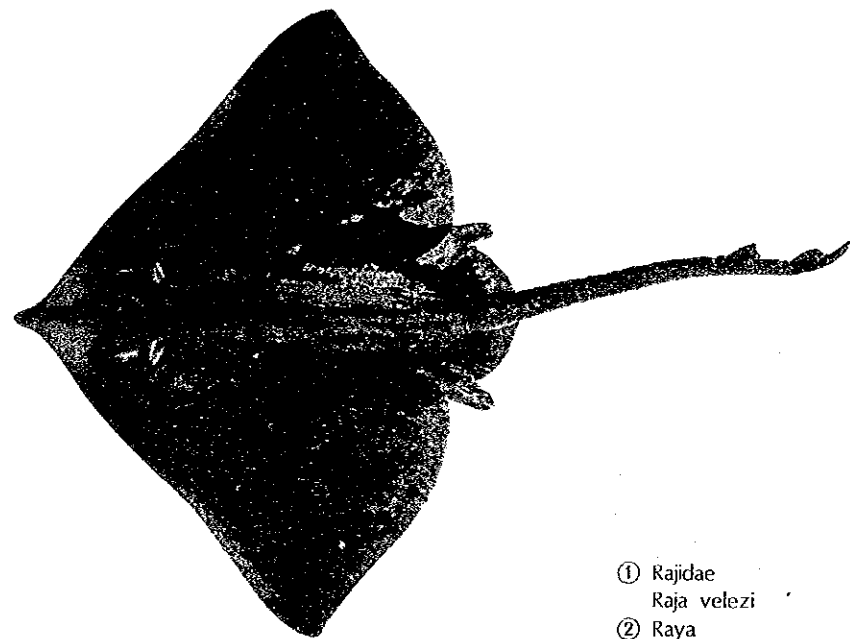
① Triakidae  
Mustelus lunulatus  
② Tiburones  
③ TL 45.0cm



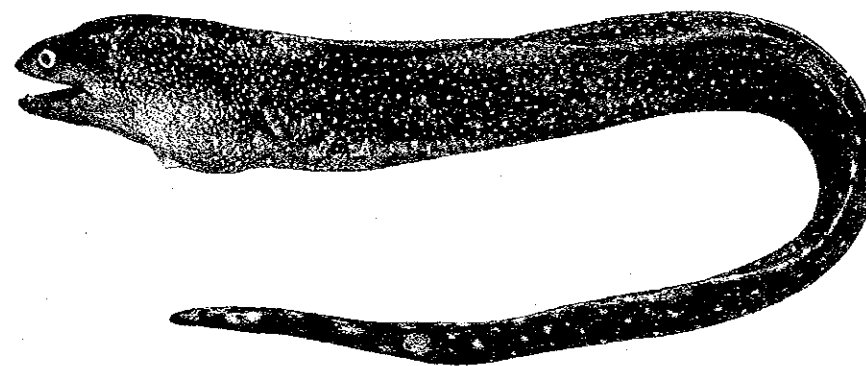
① Rhinobatidae  
Zapterix exasperata  
② —  
③ TL 39cm



① Ophiichthidae  
Brodieus  
② Conger  
③ TL 3



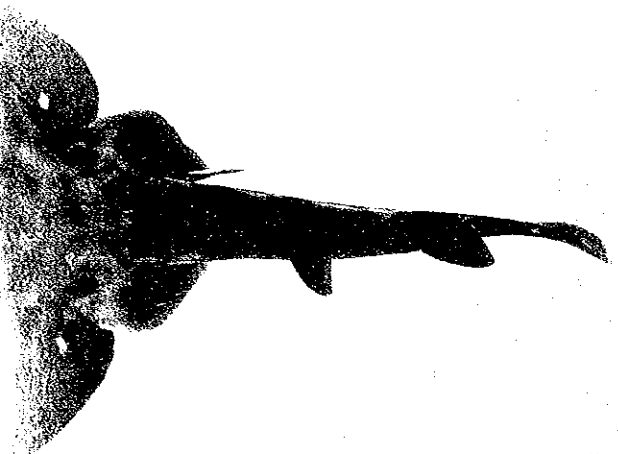
① Rajidae  
Raja velezi  
② Raya  
③ TL 65cm



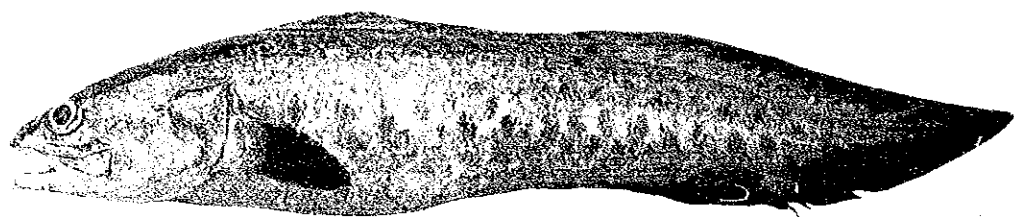
① Muraenidae  
Gymnothorax equatorialis  
② Morenas  
③ TL 53.3cm



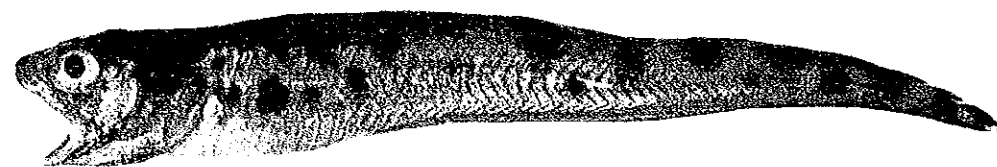
① Ophiichthidae  
Lepidus  
② Conger  
③ TL 3



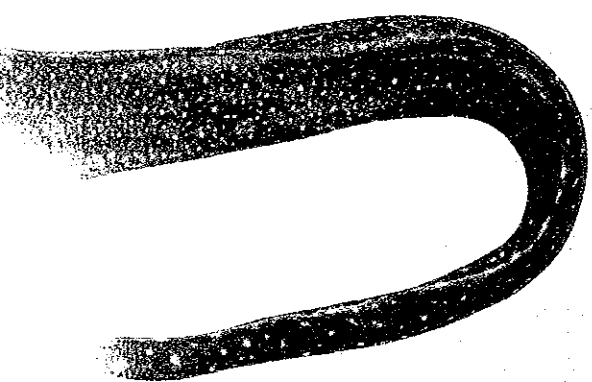
① Rhinobatidae  
*Zapterix exasperata*  
② —  
③ TL 39cm



① Ophidiidae  
*Brotula clarkae*  
② Congrio  
③ TL 33.0cm



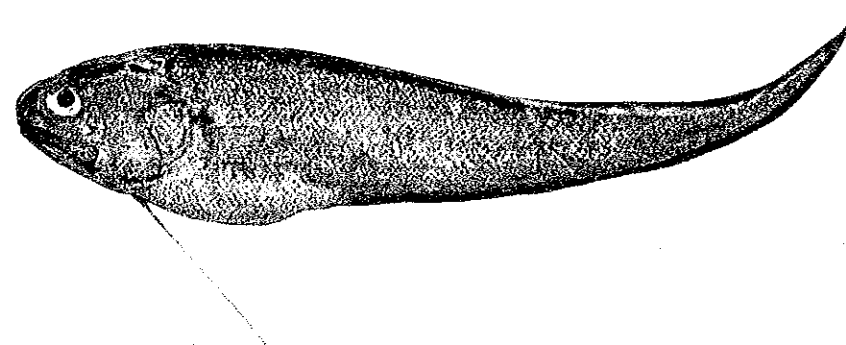
① Ophidiidae  
*Lepophidium pardale*  
② Congrio moteado  
③ TL 17.0cm



① Muraenidae  
*Gymnothorax equatorialis*  
② Morenas  
③ TL 53.3cm

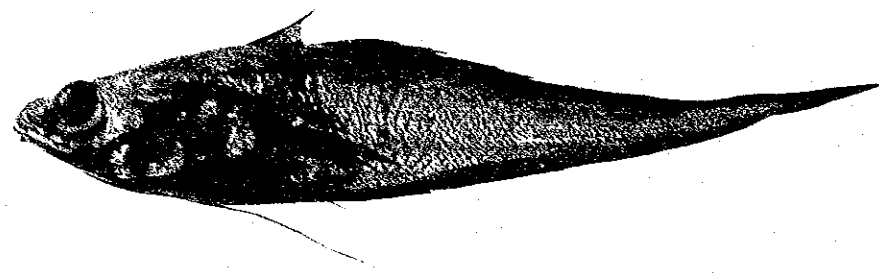


① Ophidiidae  
*Lepophidium prorates*  
② Congrio plateado  
③ TL 20.0cm

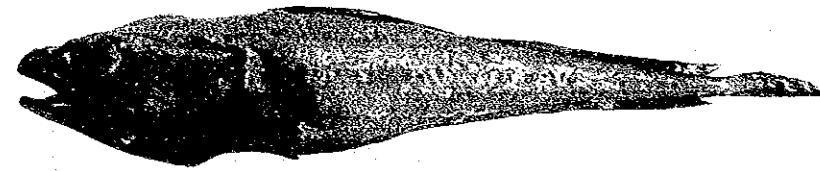


① *Neobythites stelliferoides*  
② —  
③ TL 16.0cm

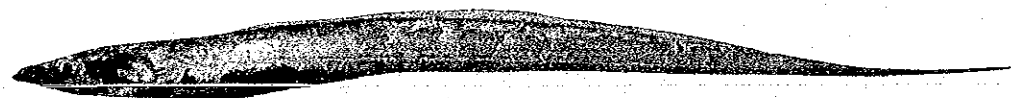
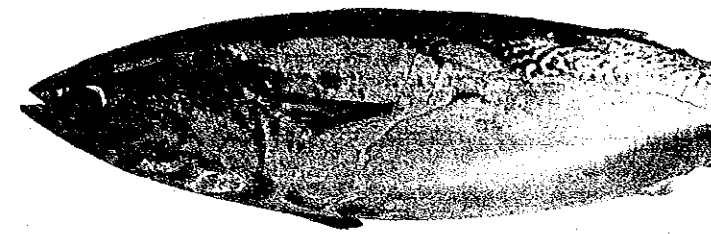




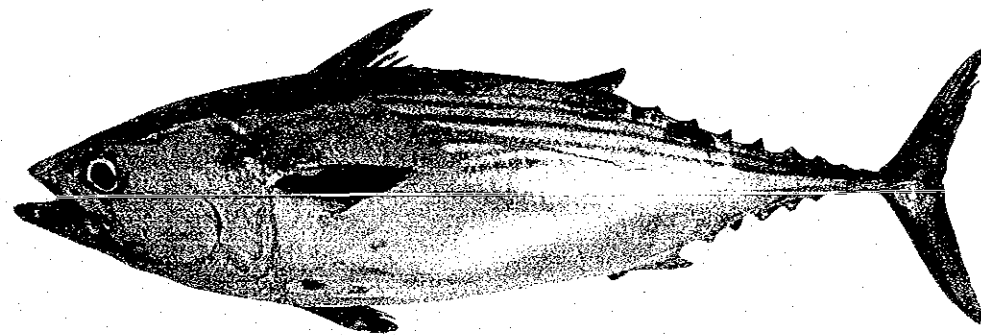
① Gadidae  
Physiculus nematopus  
② —  
③ TL 14.0cm



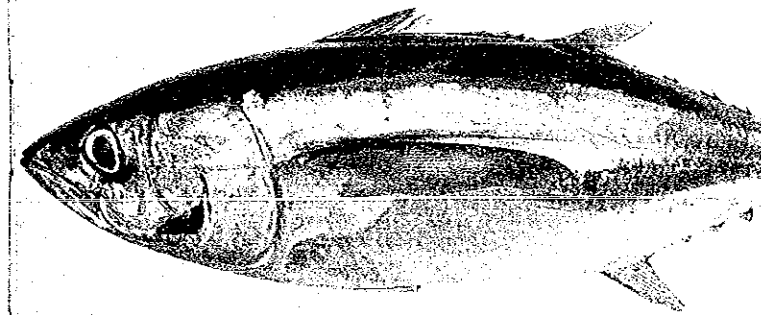
① Gadidae  
Physiculus rastrelliger  
② —  
③ TL 12.0cm



① Trichiuridae  
Trichiurus nitens  
② Pez cinta  
③ TL 28.0cm

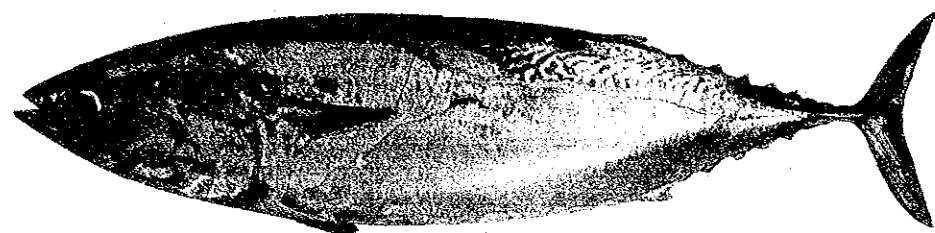


① Scombridae  
Sarda orientalis  
② —  
③ TL 54.0cm

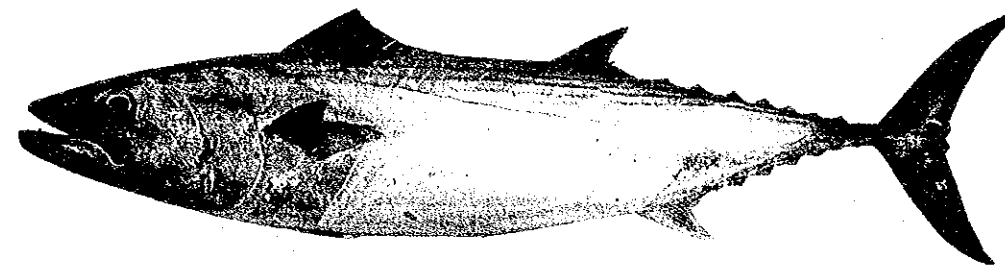




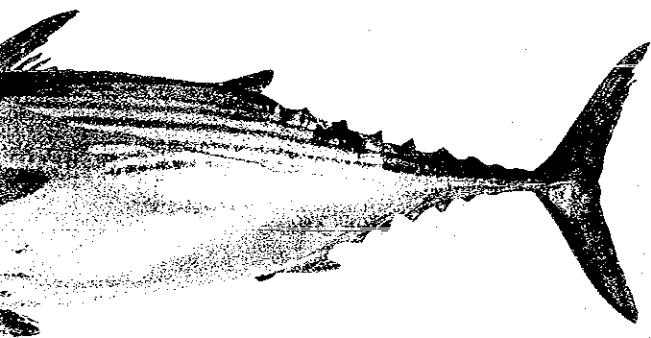
① Gadidae  
Physiculus rastrelliger  
② —  
③ TL 12.0cm



① Scombridae  
Auxis thazard  
② —  
③ TL 45.0cm



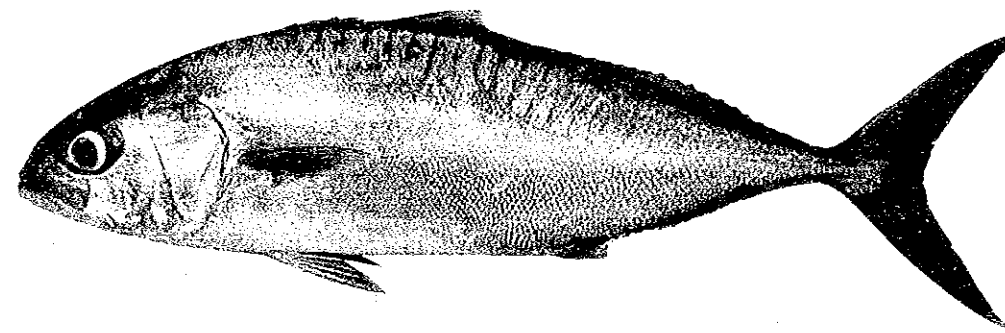
① Scombridae  
Sarda chilensi  
② —  
③ TL 73.0cm



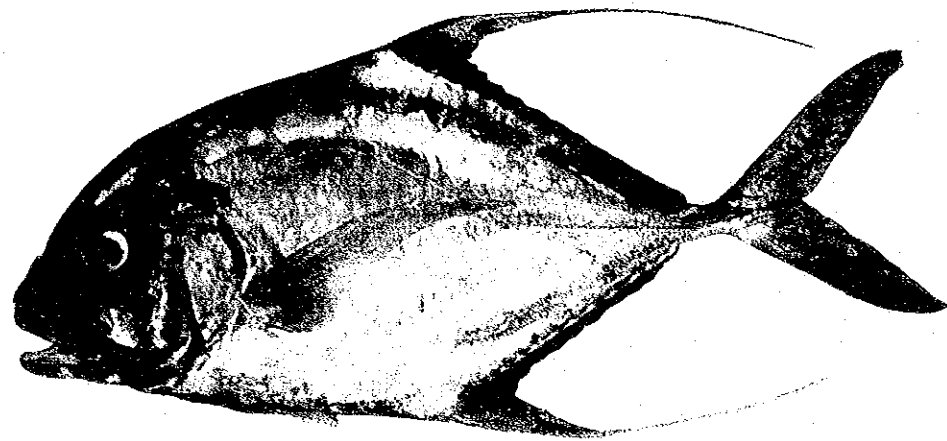
① Scombridae  
Sarda orientalis  
② —  
③ TL 54.0cm



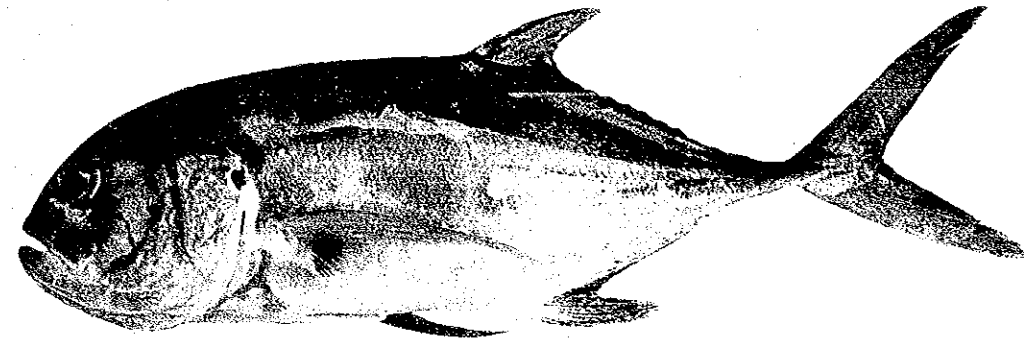
① Scombridae  
Thunnus albacores  
② Atun  
③ TL 65cm



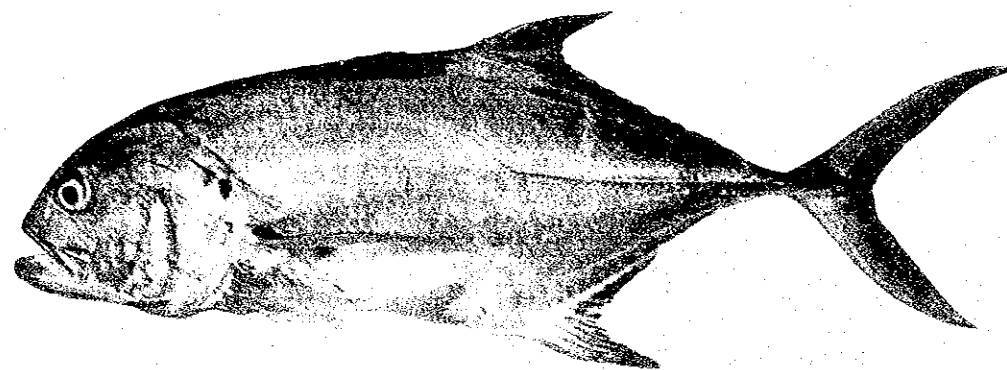
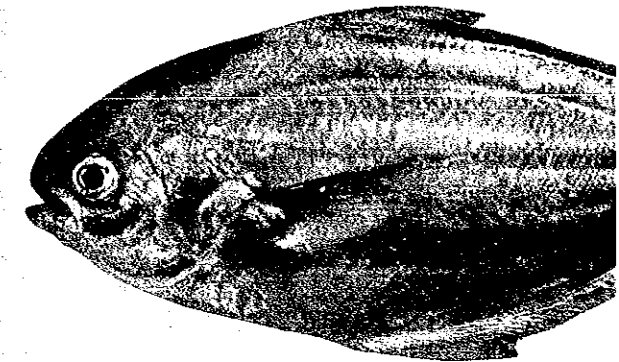
① Carangidae  
Seriola rivoliana  
② —  
③ TL 63.0cm



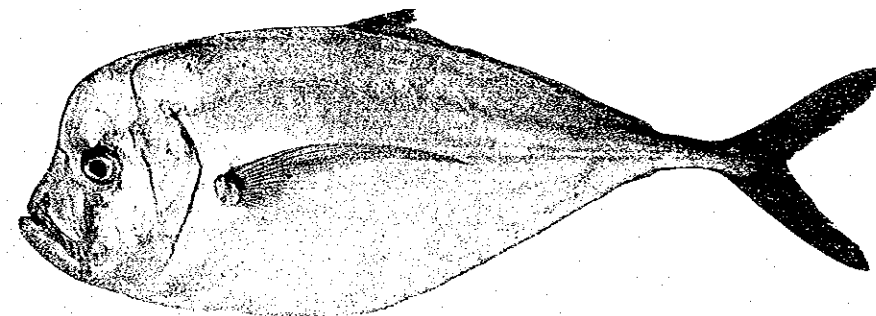
① Carangidae  
Carangoides otrynter  
② Jureles  
③ TL 51.0cm



① Carangidae  
Caranx vinctus  
② Platanillo  
③ TL 56.0cm



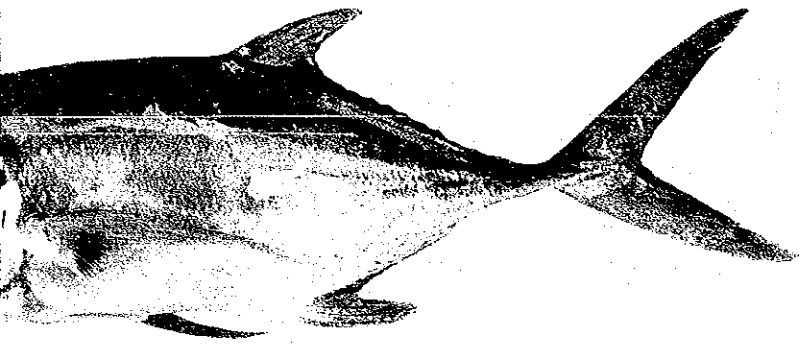
① Carangidae  
Caranx carirus  
② Platanillo  
③ TL 60.0cm



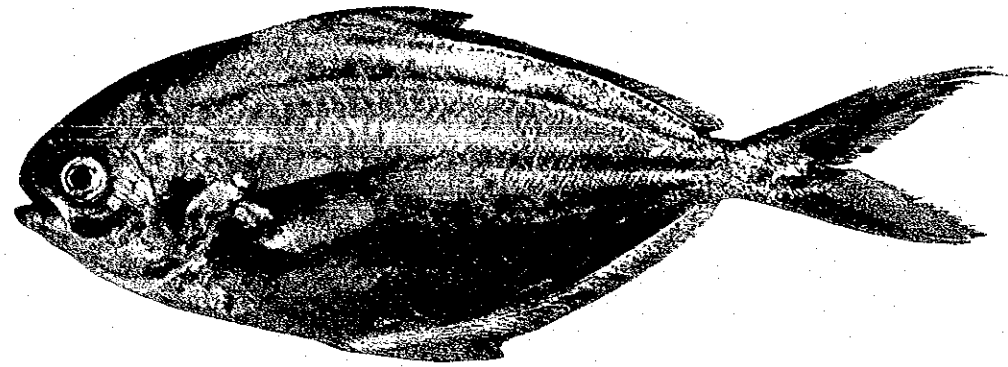
① Carangidae  
Selene peruviana  
② Palometa  
③ TL 44.0cm



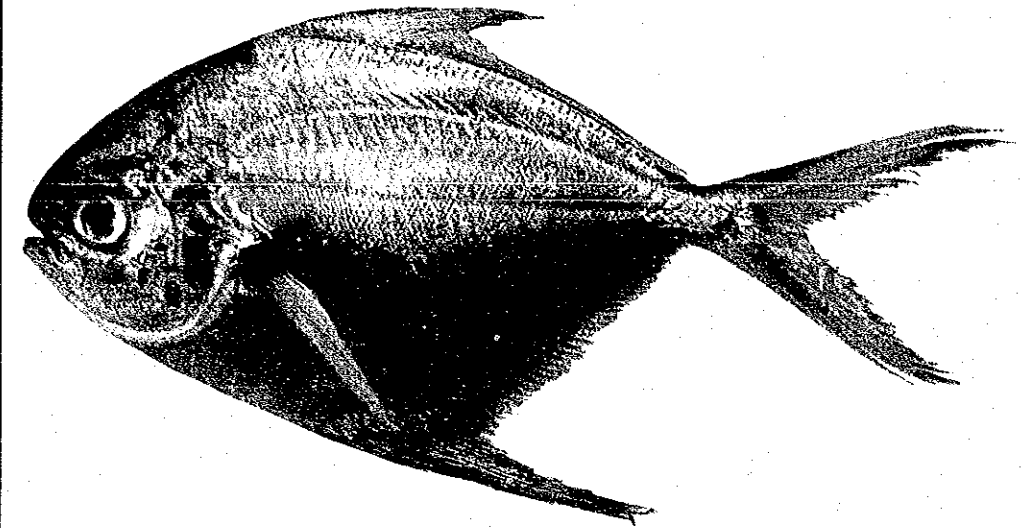




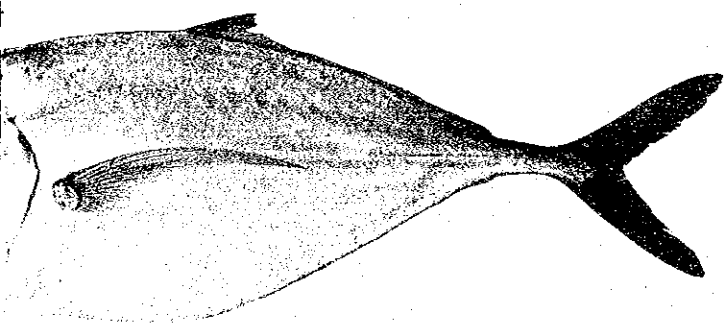
① Carangidae  
Caranx vinctus  
② Platanillo  
③ TL 56.0cm



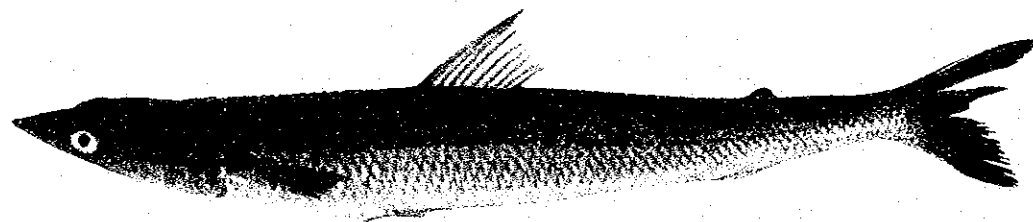
① Stromateidae  
Peprilus sngderi  
② Salema  
③ TL 23.0cm



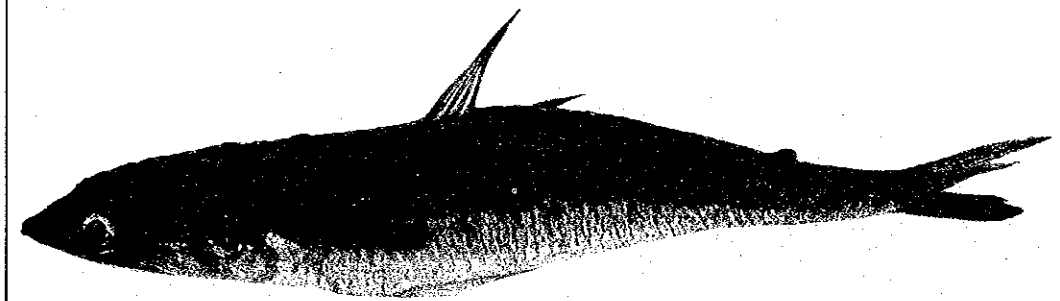
① Stromateidae  
Peprilus medius  
② Salema  
③ TL 19.0cm



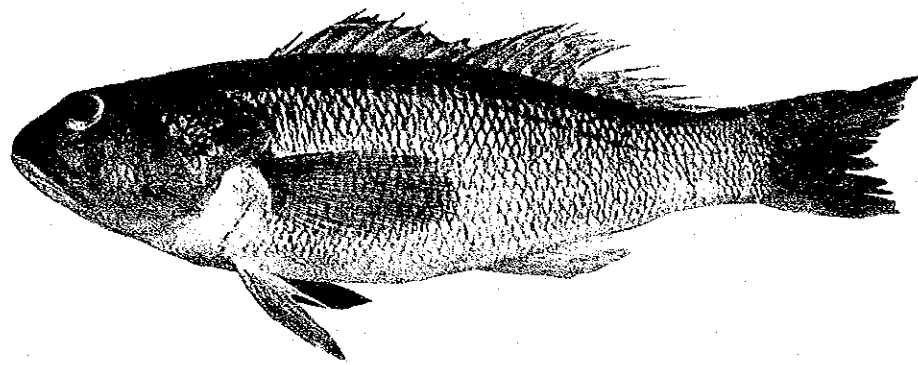
① Carangidae  
Selene peruviana  
② Palometa  
③ TL 44.0cm



① Synodontidae  
Synodus sechurae  
② Carrobos  
③ FL 23.0cm



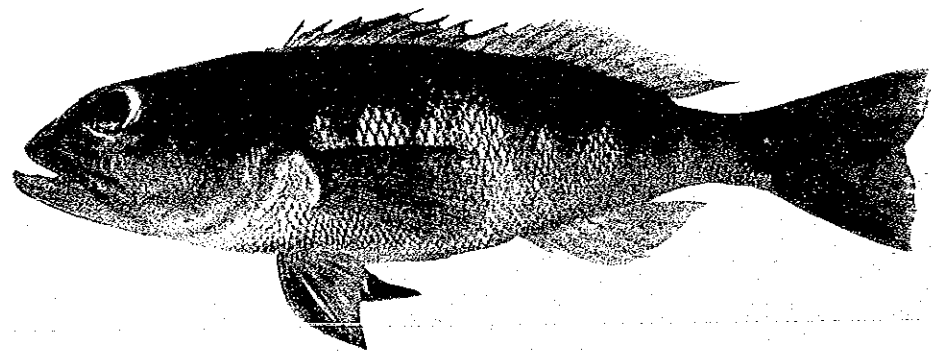
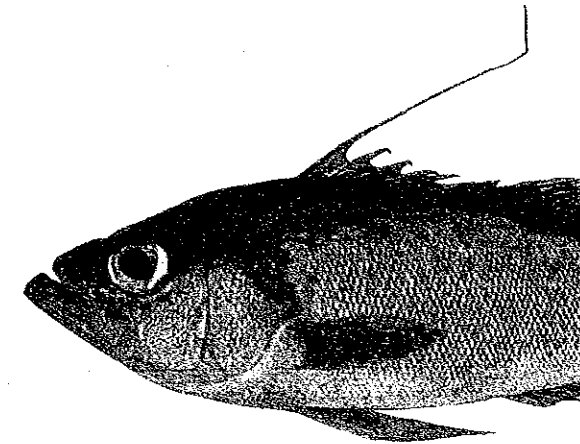
① Synodontidae  
Synodus evermanni  
② Carrobos  
③ FL 17.0cm



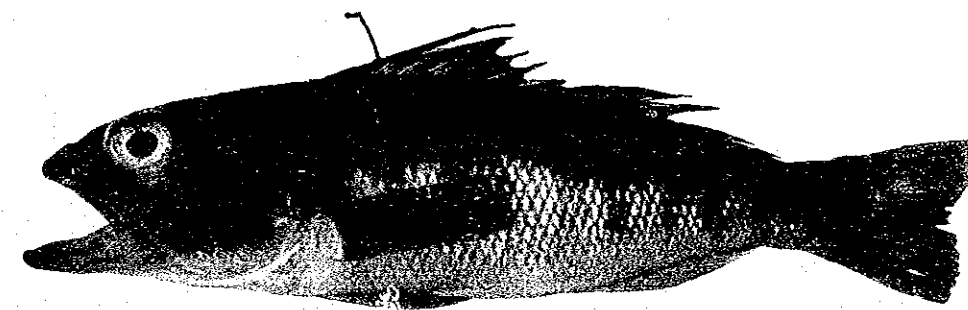
① Serranidae  
Diplectrum eumelum  
② Menta  
③ TL 24.0cm



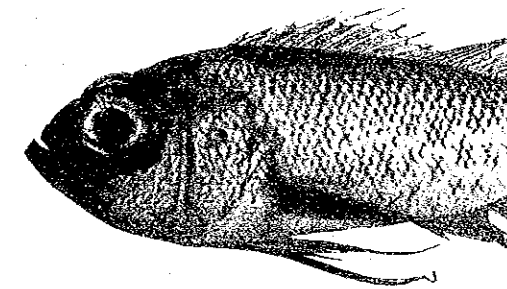
① Serranidae  
Serranus aequidens  
② Menta  
③ 14.0cm



① Serranidae  
Diplectrum euryplectrum  
② Menta  
③ TL 17.0cm

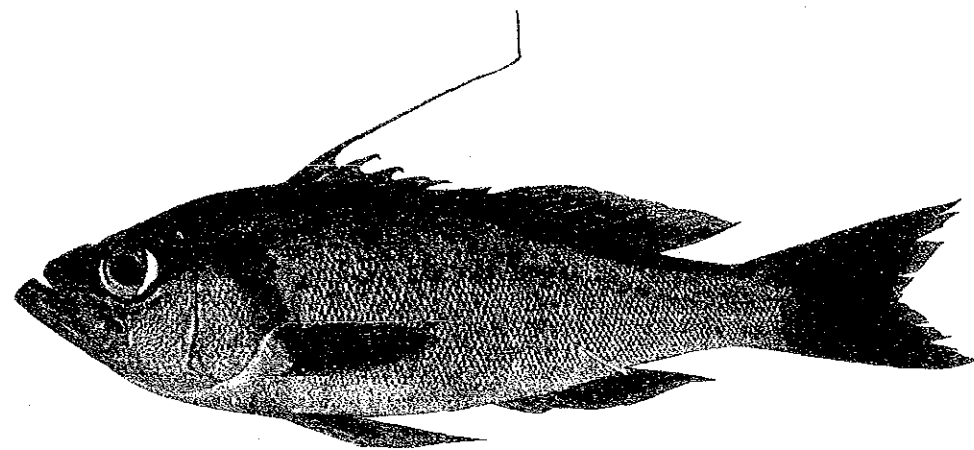


① Serranidae  
Diplectrum labarun  
② Menta  
③ TL 15.0cm

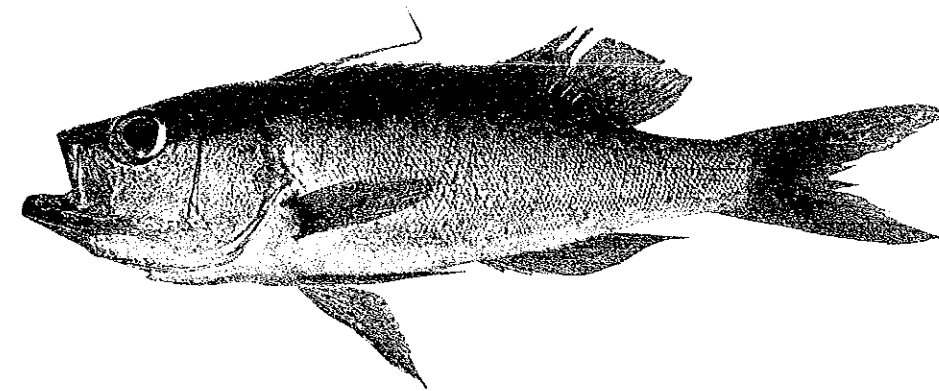




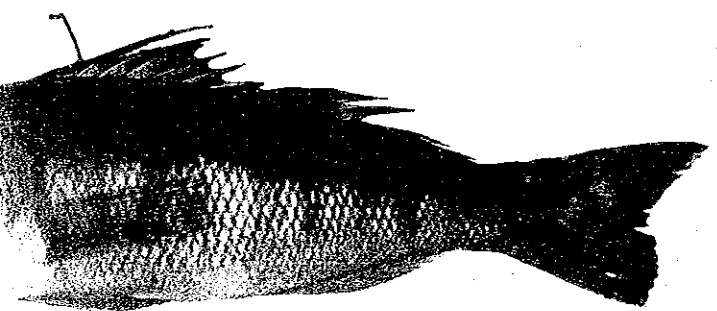
① Serranidae  
*Serranus aequidens*  
② Menta  
③ 140cm



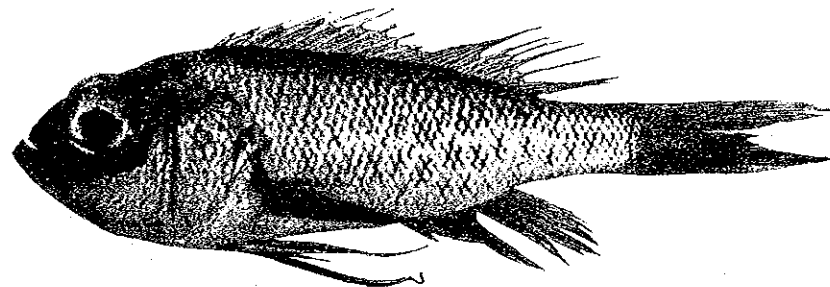
① Serranidae  
*Hemanthias peruanus*  
② Doncella  
③ TL 21.0cm



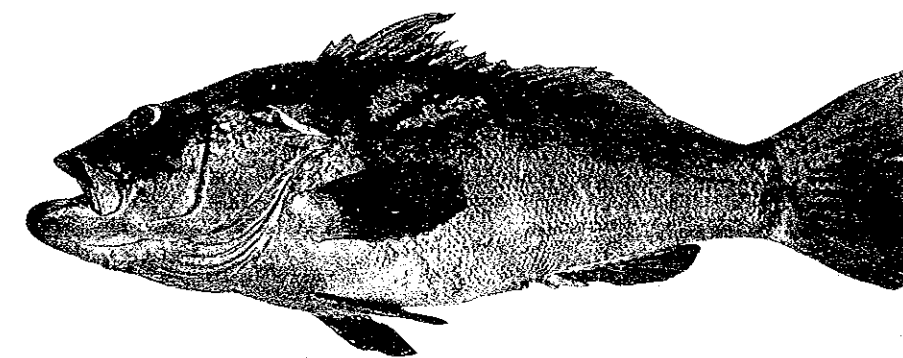
① Serranidae  
*Hemanthias signifer*  
② Doncella  
③ TL 24.0cm



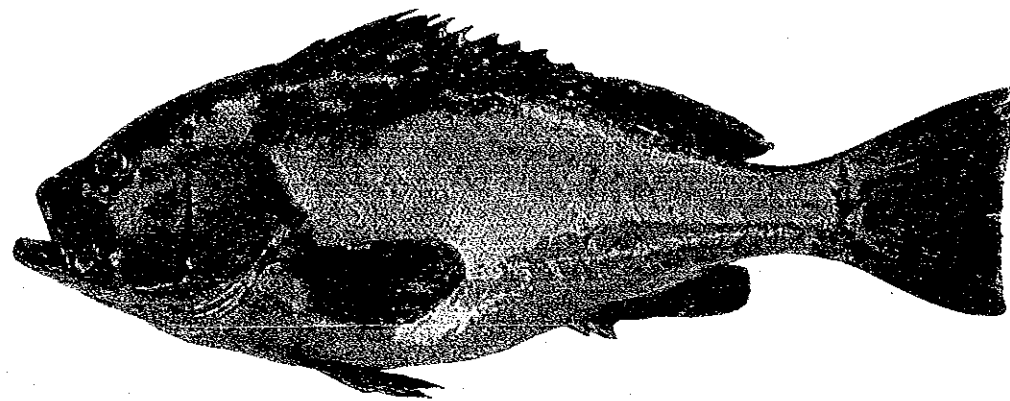
① Serranidae  
*Diplectrum labarum*  
② Menta  
③ TL 15.0cm



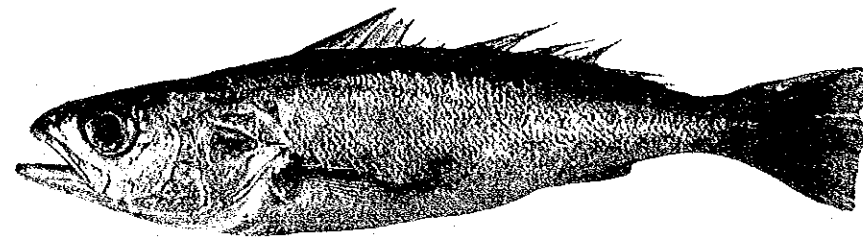
① Serranidae  
*Pronotogrammus eos*  
② —  
③ FL 26.0cm



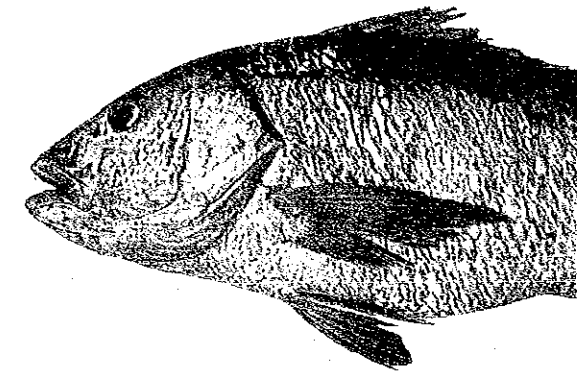
① Serranidae  
*Paralabrax loto*  
② Cabrilla pinta  
③ TL 53.0cm



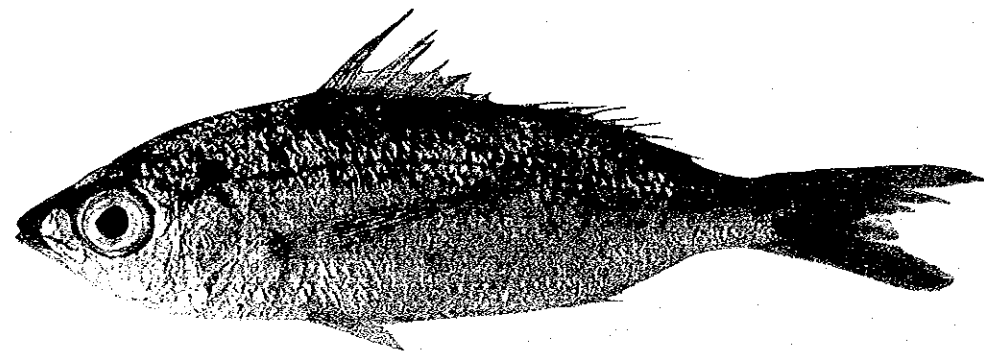
① Serranidae  
*Epinephelus nigritus*  
② Cabrilla  
③ TL 50.0cm



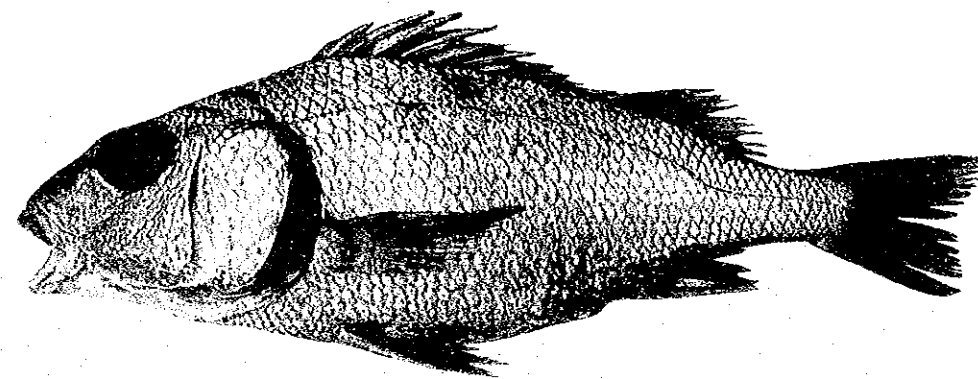
① Sciaenidae  
*Cynoscion nannus*  
② Corvina  
③ TL 15.0cm



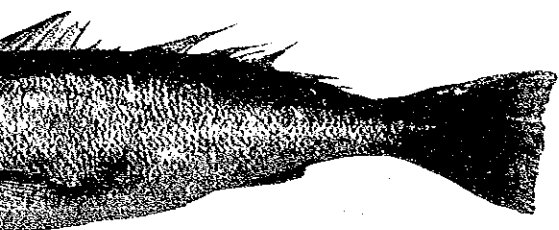
① Pomadasyidae  
*Pomadasys macracanthus*  
② Roncadores  
③ TL 32.0cm



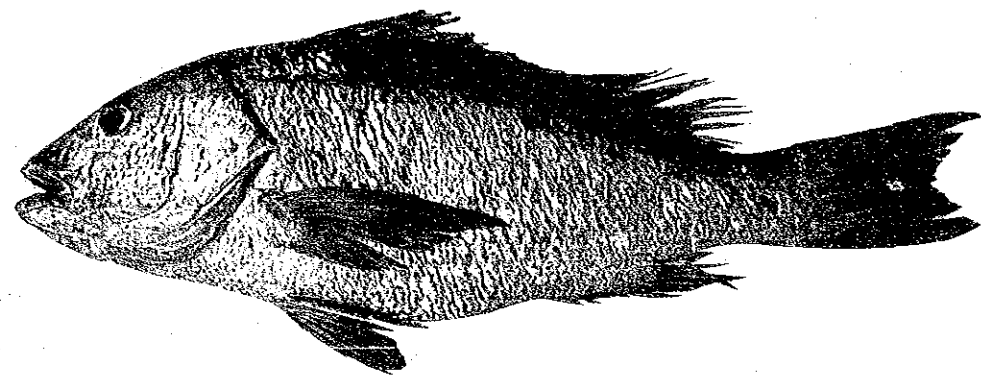
① Gerreidae  
*Eucinostomus gracilis*  
② Palmito  
③ FL 12.0cm



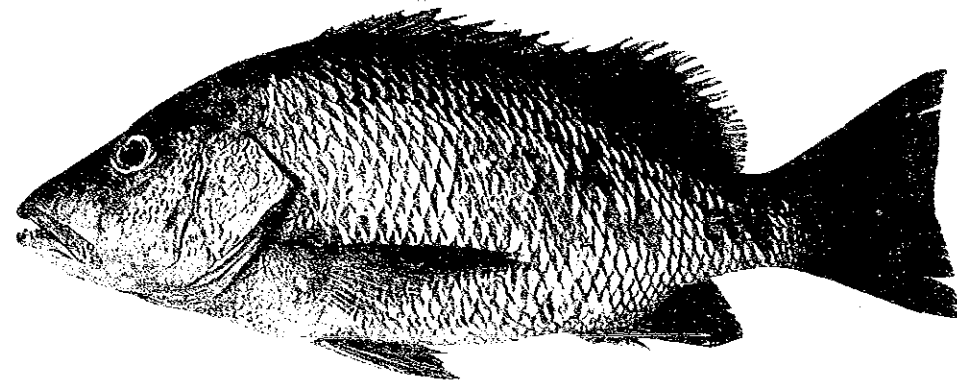
① Gerreidae  
*Eucinostomus gracilis*  
② Palmito  
③ FL 12.0cm



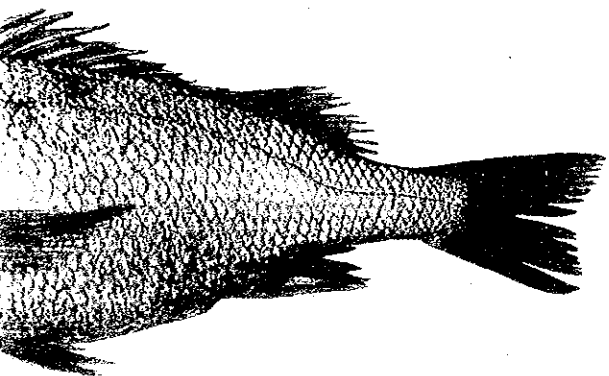
① Sciaenidae  
Cynoscion nannus  
② Corvina  
③ TL 15.0cm



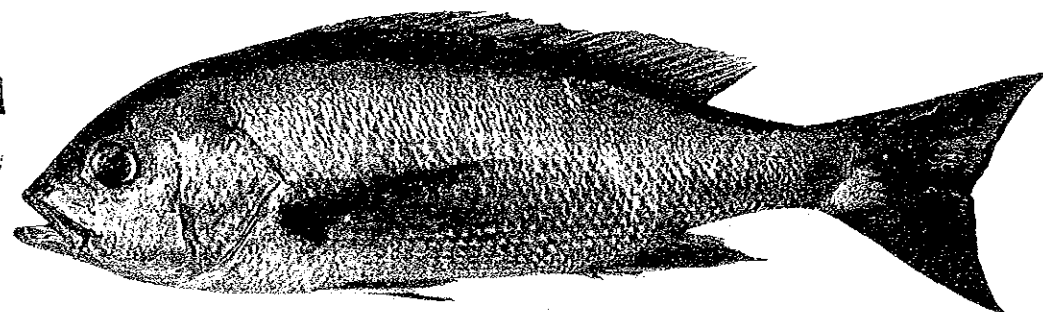
① Lutjanidae  
Lutjanus colorado  
② Pargo amarilla  
③ TL 58.0cm



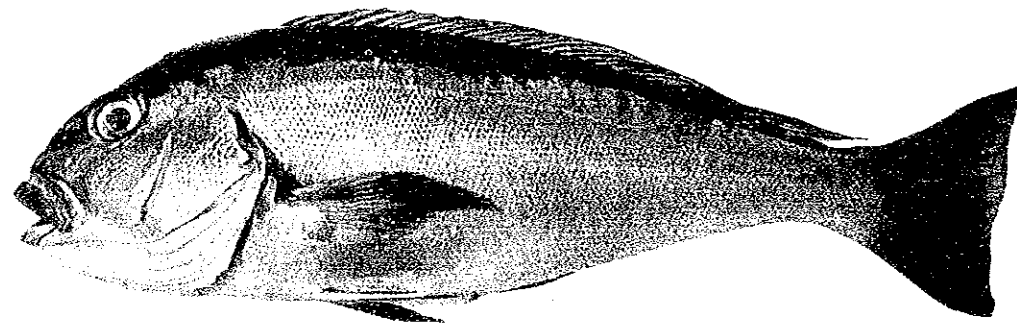
① Lutjanidae  
Lutjanus argentiventris  
② Pargos  
③ TL 45.0cm



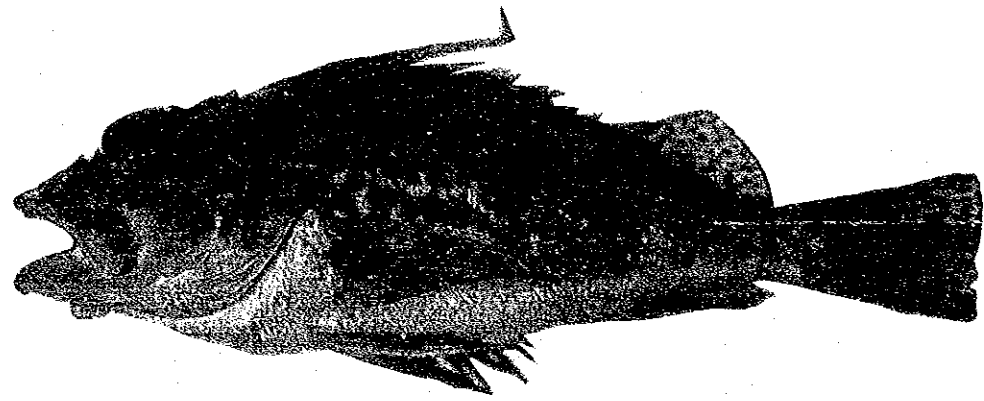
① Pomadasyidae  
Pomadasys macracanthus  
② Roncadores  
③ TL 32.0cm



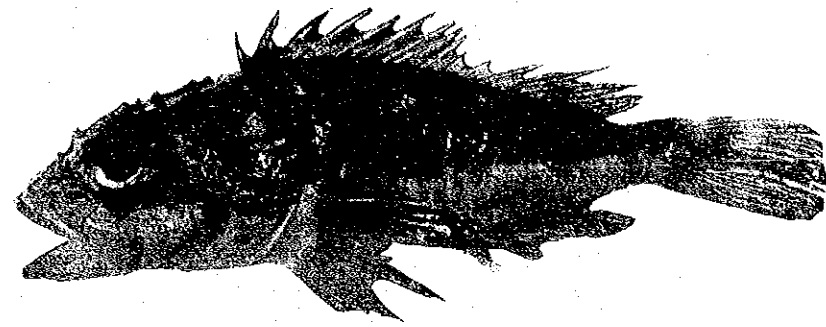
① Lutjanidae  
Lutjanus peru  
② Pargo seda  
③ TL 56.0cm



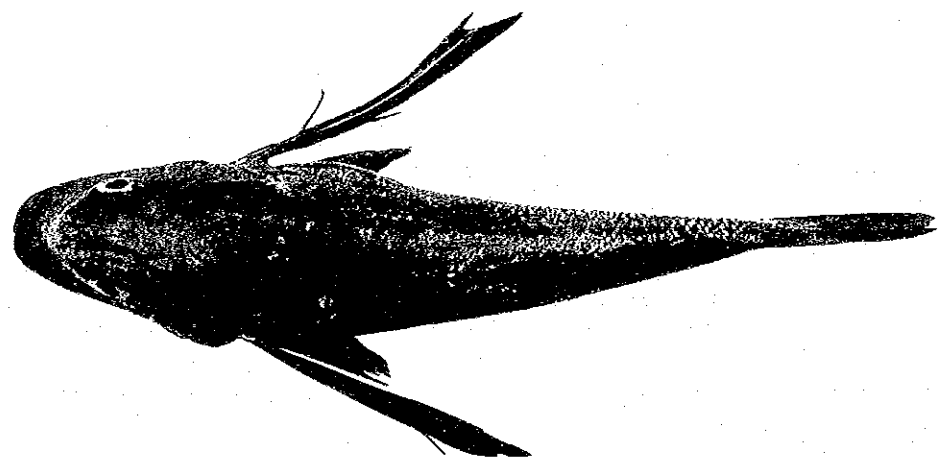
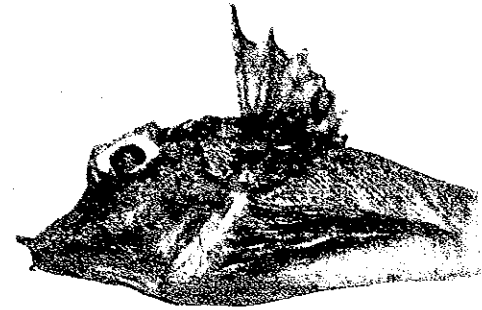
① Branchiostegidae  
Caulolalitis affinis  
② Conejo  
③ TL 45.0cm



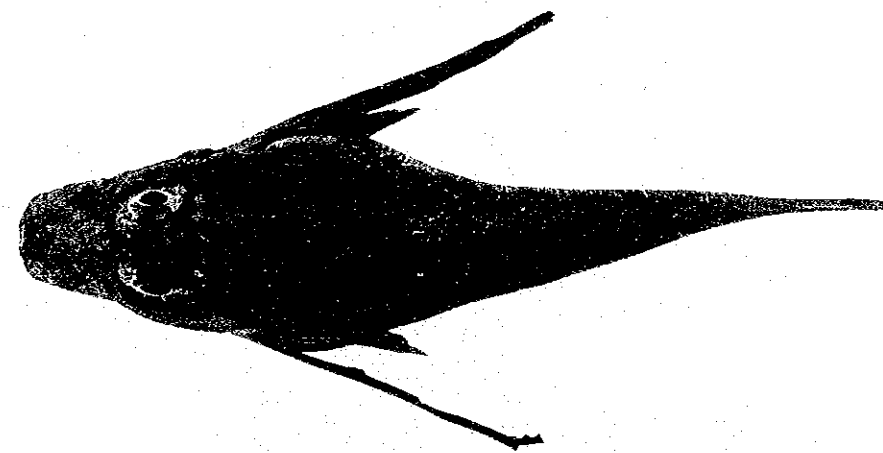
① Scorpaenidae  
Pontinus sierra  
② —  
③ TL 24.0cm



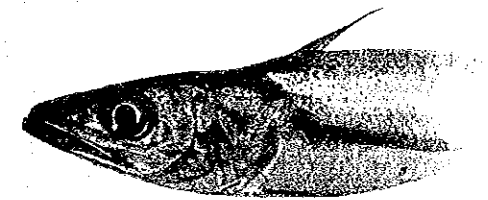
① Scorpaenidae  
Scorpaena russula  
② —  
③ TL 11.0cm



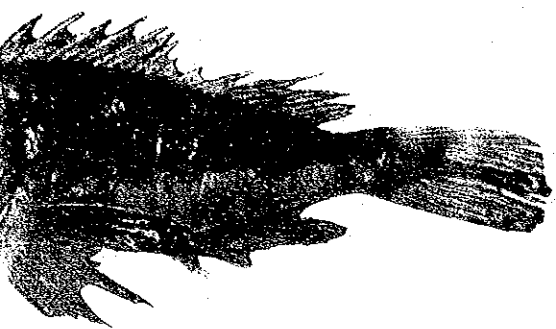
① Triglidae  
Prionotus stephanophys  
② Cabro  
③ TL 25.0cm



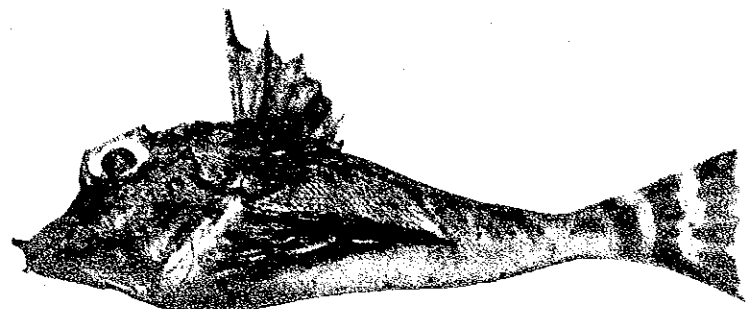
① Triglidae  
Prionotus albirostris  
② Cabro  
③ TL 20.0cm



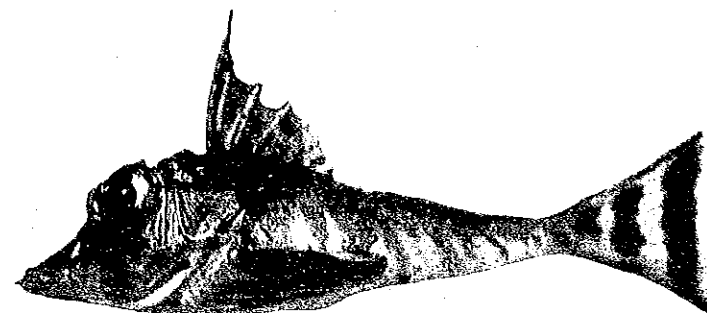




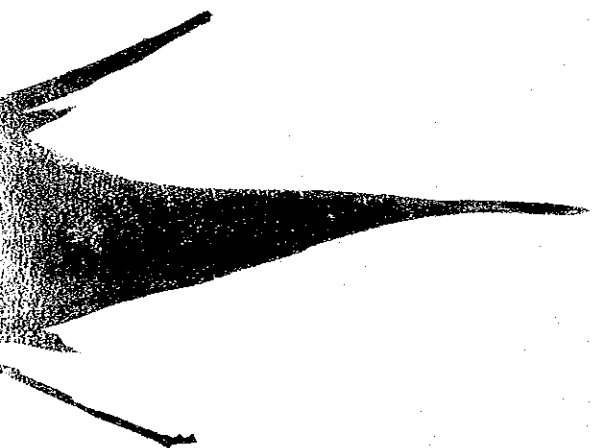
① Scorpaenidae  
*Scorpaena russula*  
② —  
③ TL 11.0cm



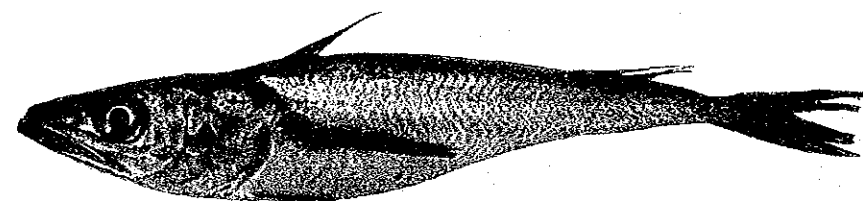
① Triglide  
*Prionotus xenisma*  
② Cabro  
③ TL 8.0cm



① Triglide  
*Prionotus loxias*  
② Cabro  
③ TL 9.0cm



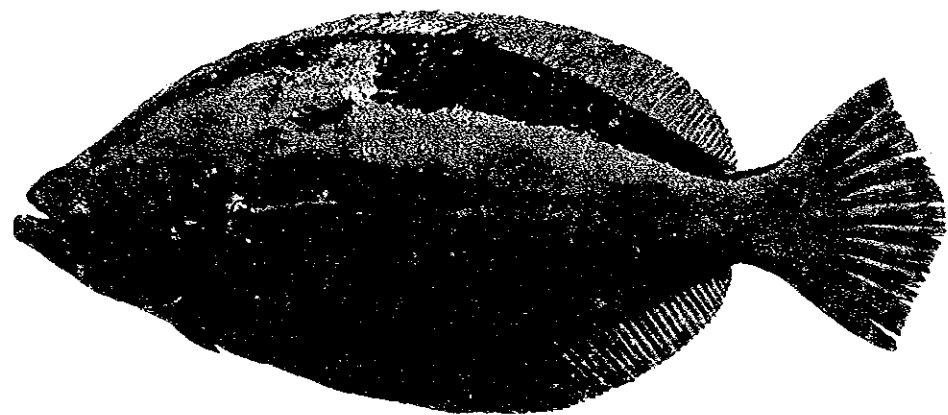
① Triglide  
*Prionotus albirostris*  
② Cabro  
③ TL 20.0cm



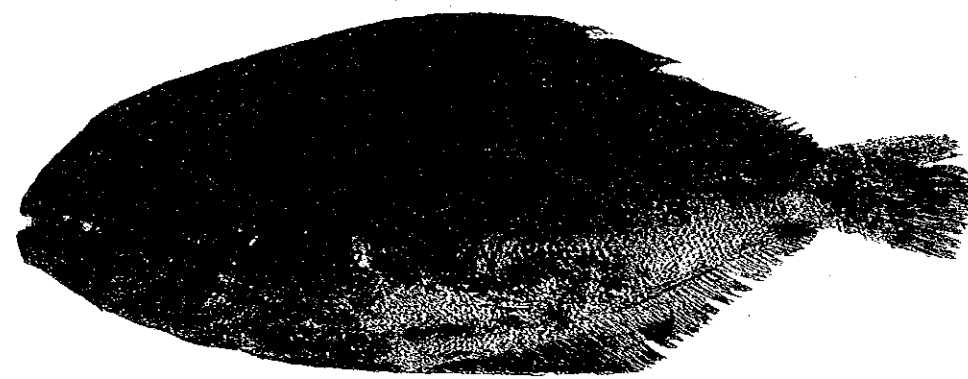
① Merluccidae  
*Merluccius gayi*  
② Merluza  
③ TL 18.0cm



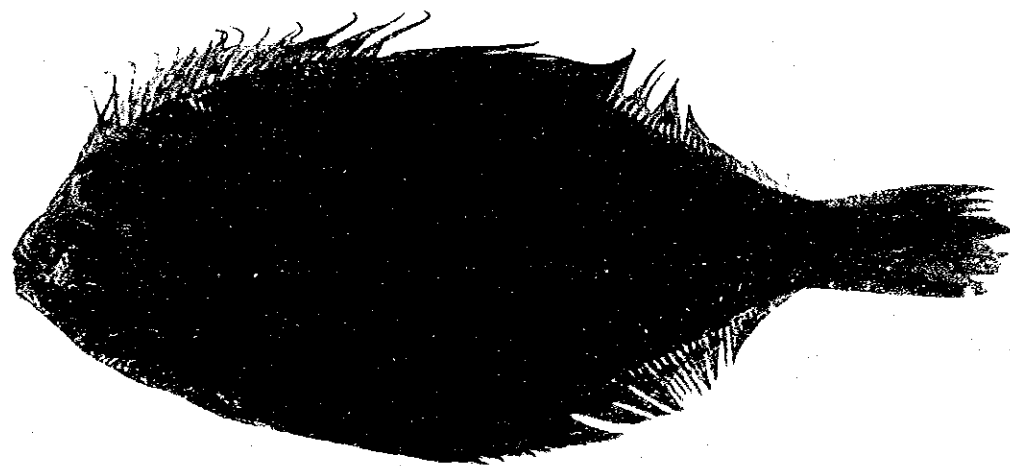
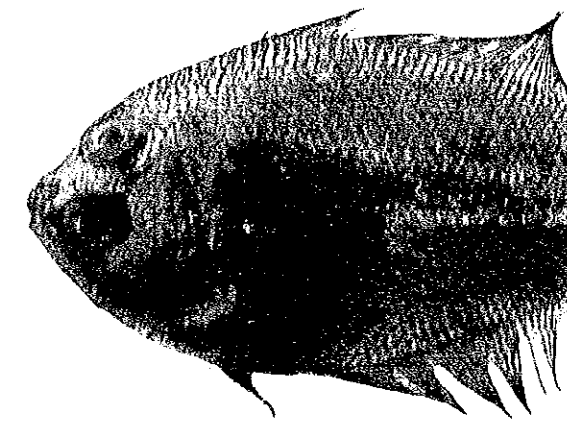
① Argentinidae  
*Argentina alicae*  
② Quiebra palito  
③ FL 12.5cm



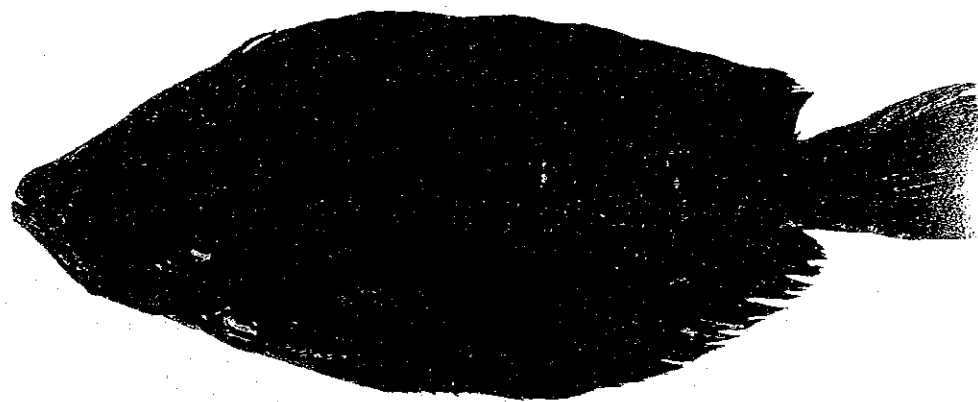
① Bothidae  
*Paralichthys woolmani*  
② Lenguado  
③ TL 47.0cm



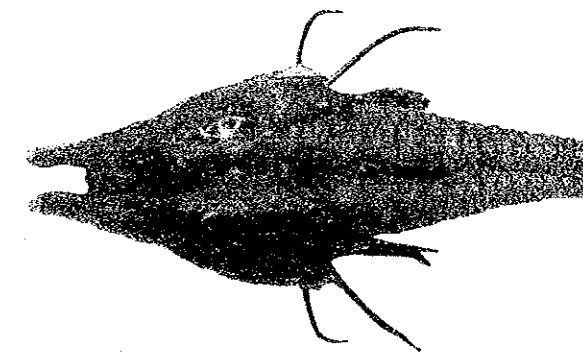
① Bothidae  
*Cyclosetta querna*  
② Lenguado  
③ TL 31.0cm

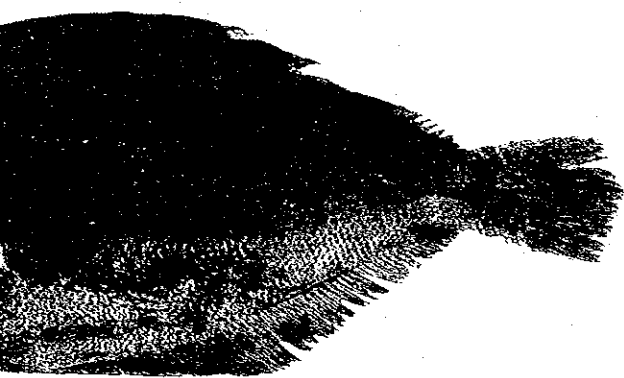


① Bothidae  
*Syacium ovale*  
② Lenguado  
③ TL 18.0cm

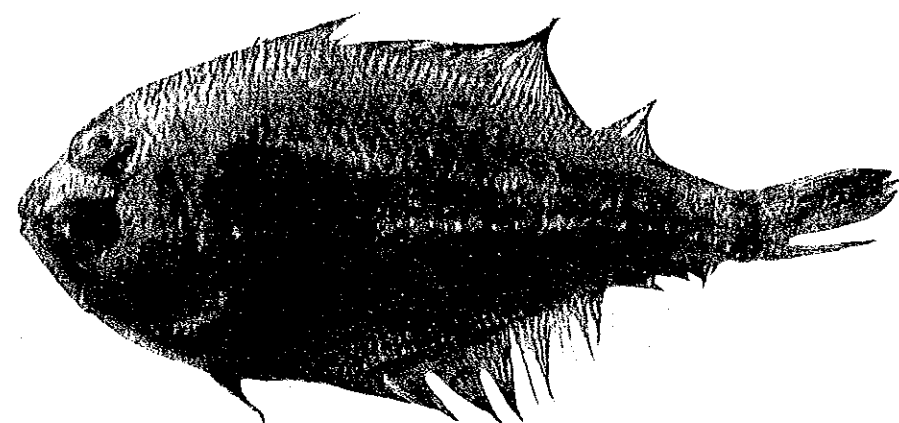


① Bothidae  
*Hippoglossina tetraphthalmus*  
② Lenguado  
③ TL 26.0cm

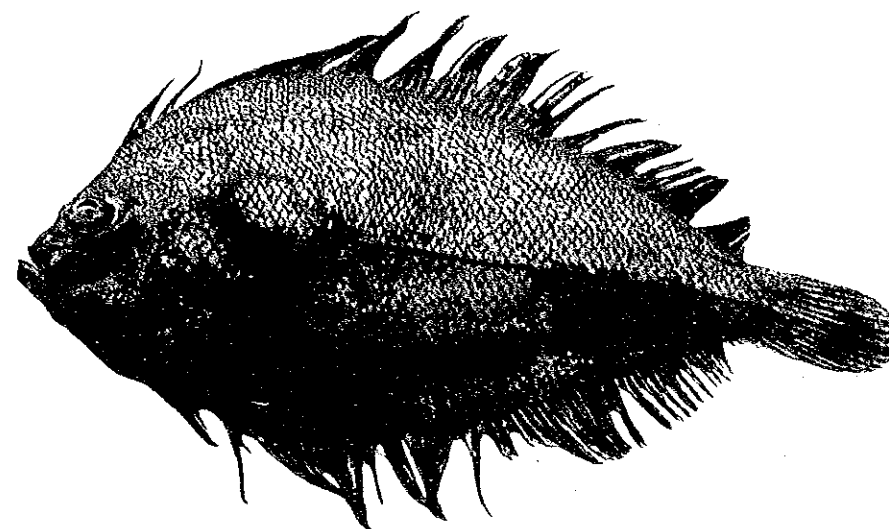




① Bothidae  
*Cyclopsetta querna*  
② Lenguado  
③ TL 31.0cm



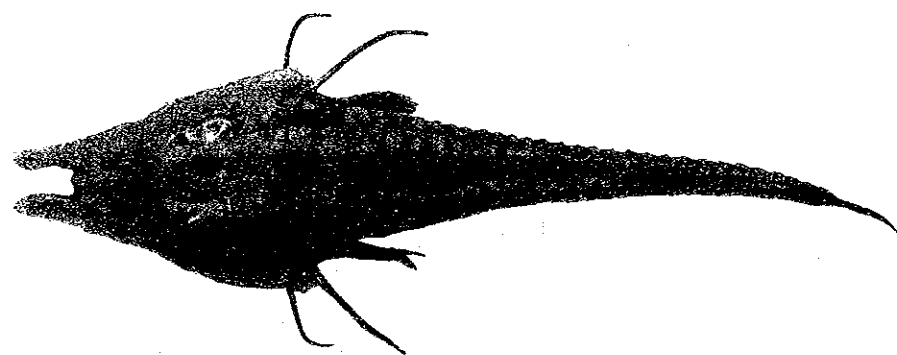
① Bothidae  
*Citharichthys platophrys*  
② Lenguado  
③ TL 12.0cm



① Bothidae  
*Engyophrys sanctilaurentii*  
② Lenguado  
③ TL 8.5cm



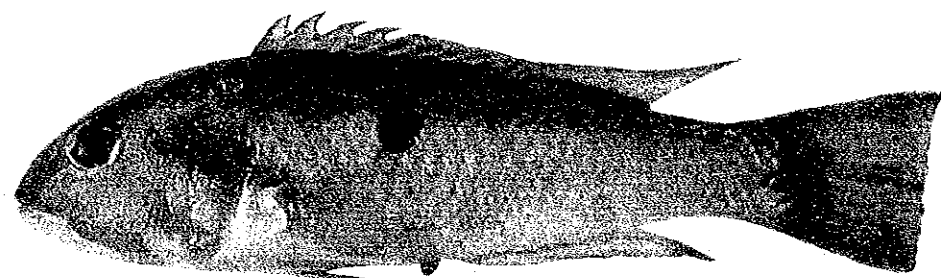
① Bothidae  
*Hippoglossina tetrophthalmus*  
② Lenguado  
③ TL 26.0cm



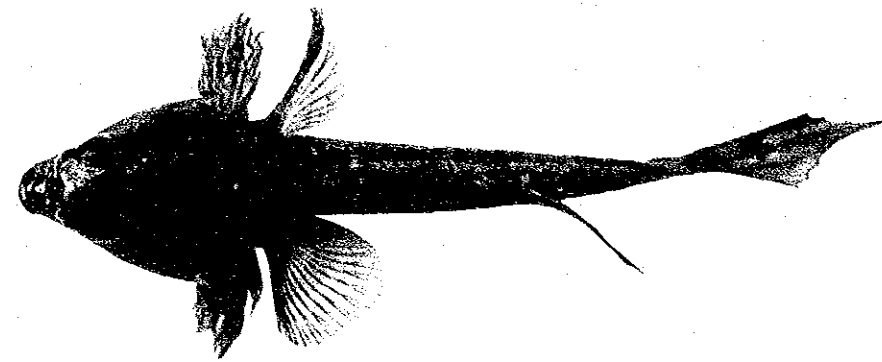
① Peristediidae  
*Peristedion barbiger*  
② —  
③ TL 19.0cm



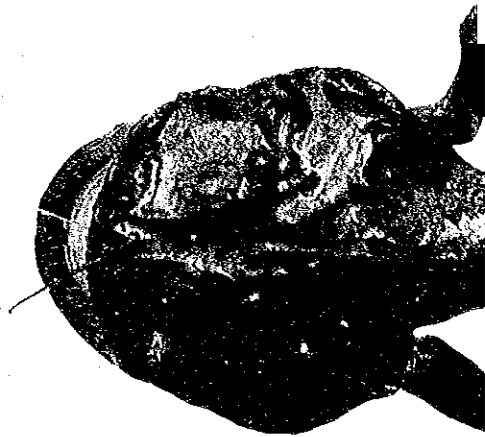
① Gobiidae  
*Bollmannia clamydes*  
② —  
③ TL 12.0cm



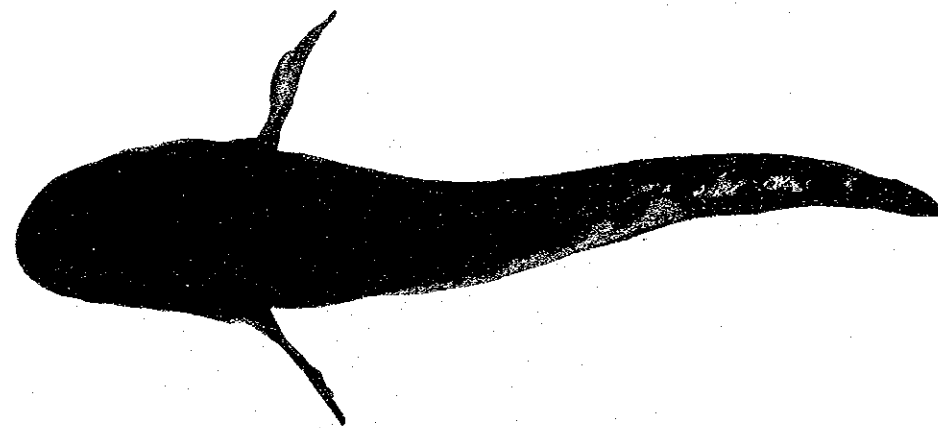
① Labridae  
*Decodrom melasma*  
② —  
③ TL 18.0cm



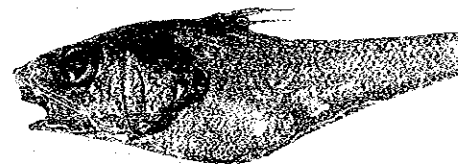
① Calliongidae  
*Synchiropus atrilabiatus*  
② —  
③ TL 13.0cm

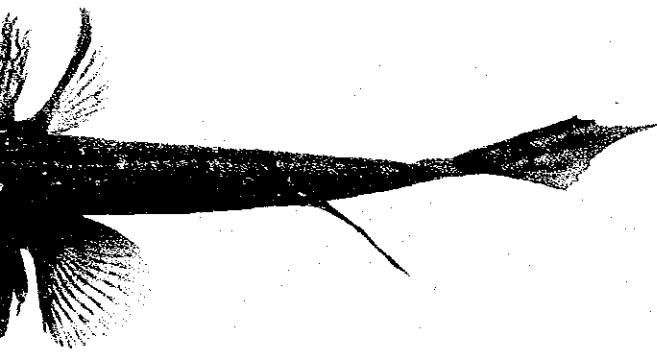


① Tetraodontidae  
*Sphaeroides annulatus*  
② Timboril  
③ TL 16.0cm

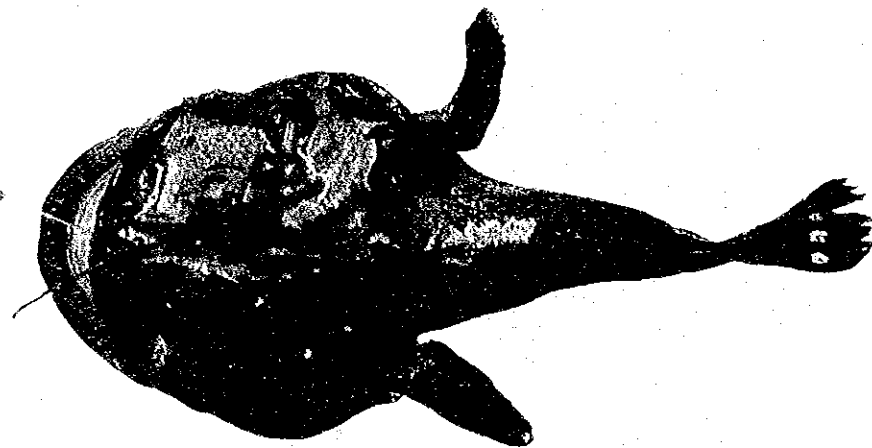


① Batrachoidae  
*Porichthys nautopaedium*  
② —  
③ TL 13.0cm

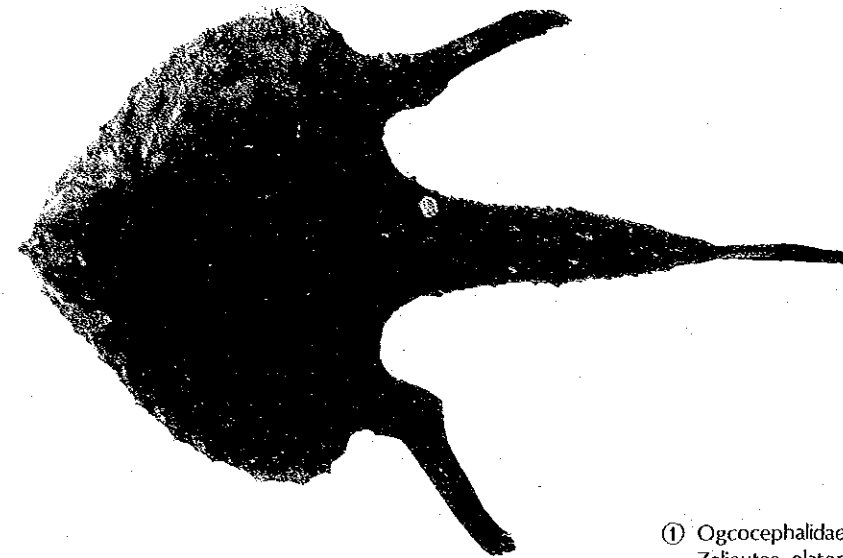




① Calliongmidae  
Synchiropus  
atrilabiatus  
② —  
③ TL 13.0cm



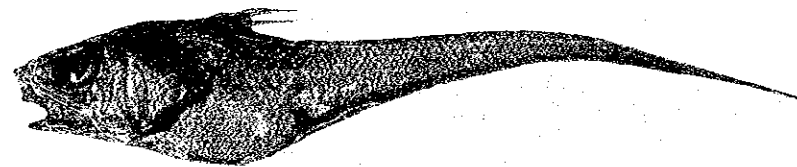
① Lophiidae  
Lophiodes caularis  
② —  
③ TL 12.0cm



① Ogcocephalidae  
Zalieutes elater  
② Pezdiablo  
③ TL 8.0cm



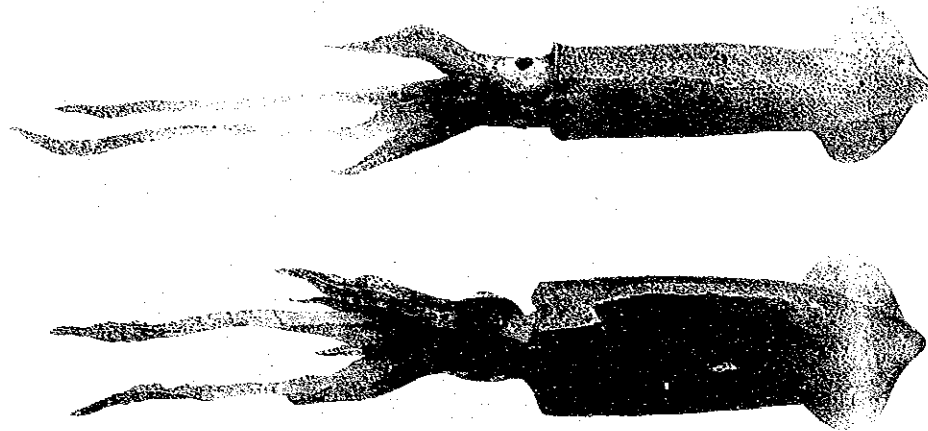
① Batrachoidae  
Porichthys nautopaedium  
② —  
③ TL 13.0cm



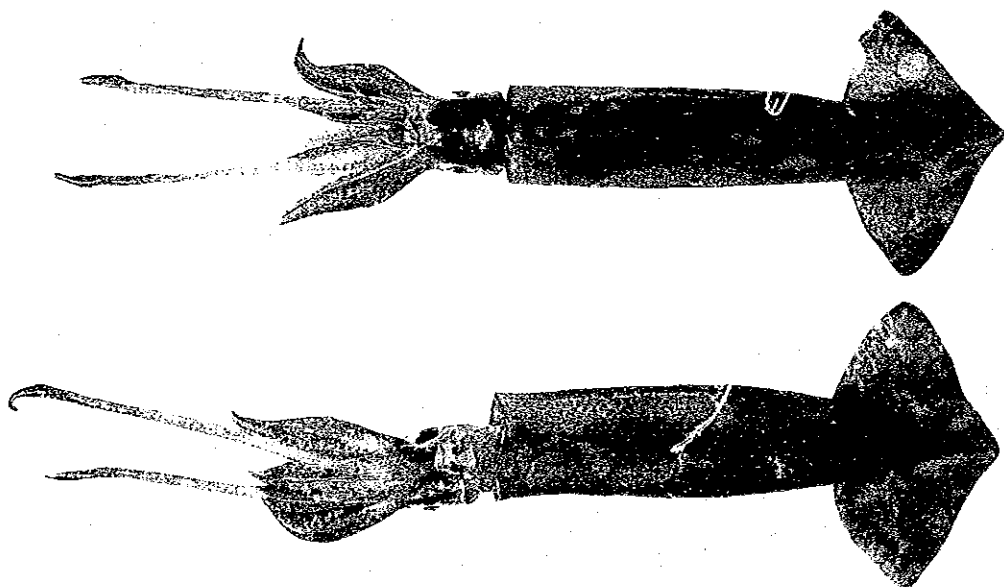
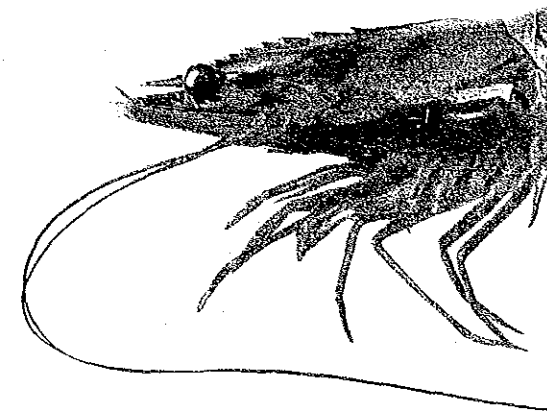
① Macrouridae  
Coelorinchus  
leucosphaeus  
② —  
③ TL 12.0cm



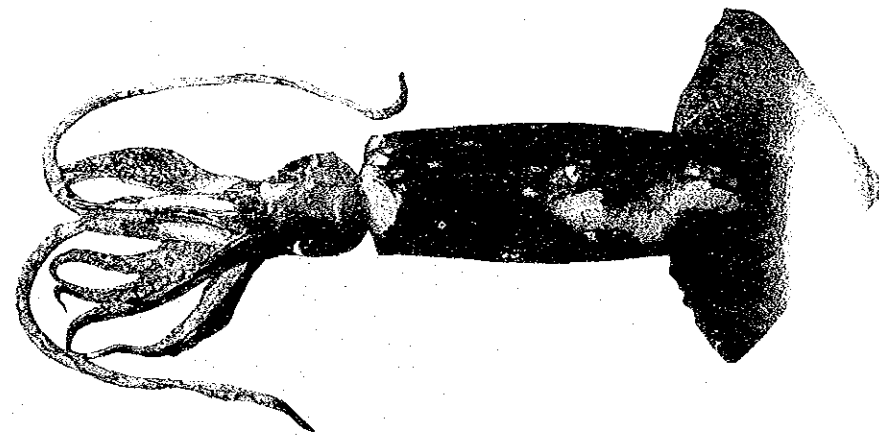
① Octopodidae  
Octopus sp  
② Pulpo  
③ TL 26.0cm



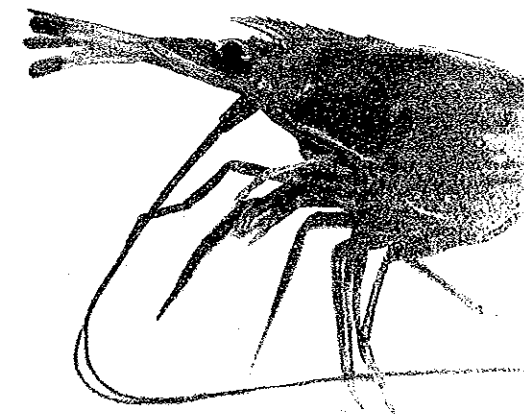
① Loliginidae  
Loliginula diomediana  
② Calamar  
③ ML 7.5cm



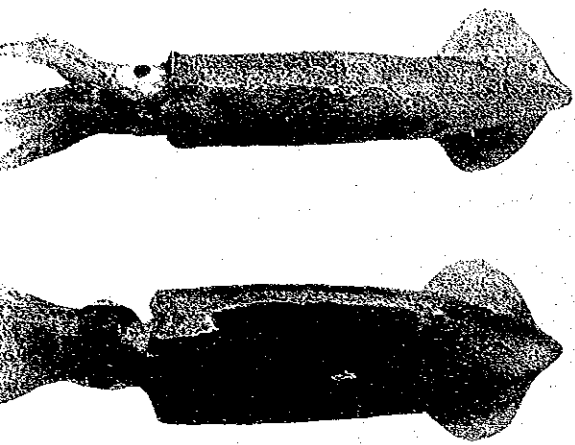
① Illex sp.  
② Calamar  
③ BL 8.0cm



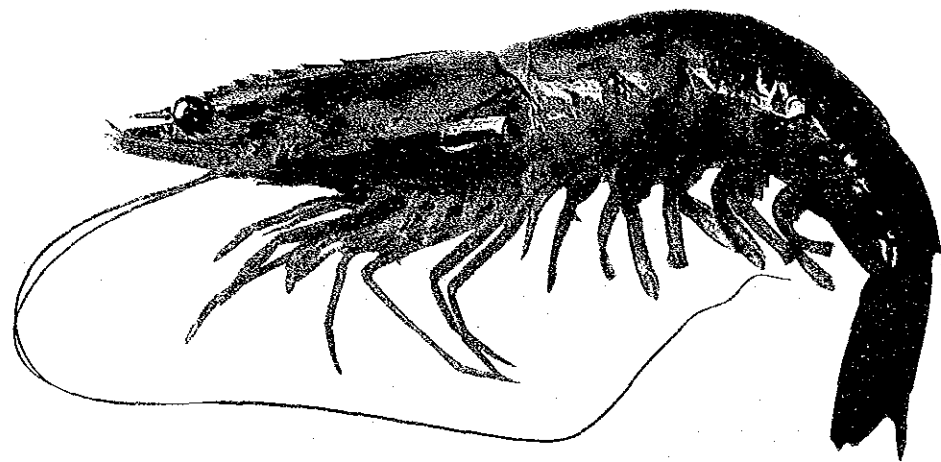
① Ommastrephidae  
Ommastrephes  
② Calamar  
③ ML 21.0cm



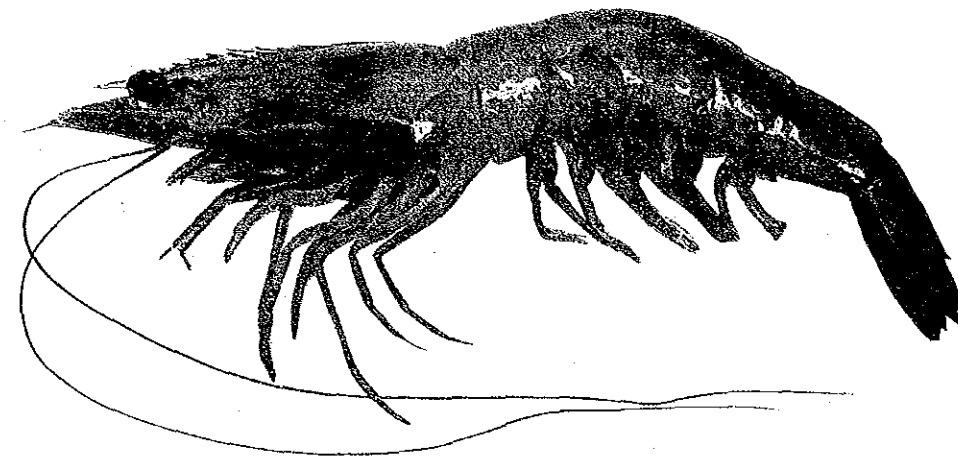




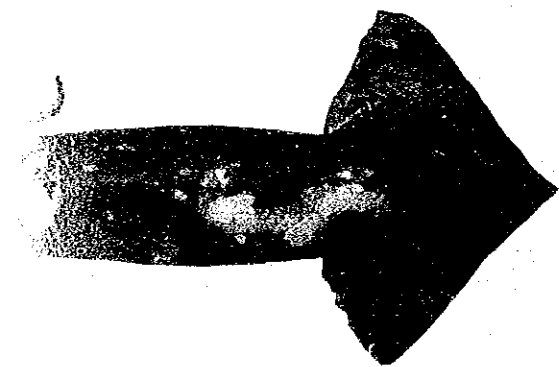
① Loliginidae  
*Loligoncula diomediana*  
② Calamar  
③ ML 7.5cm



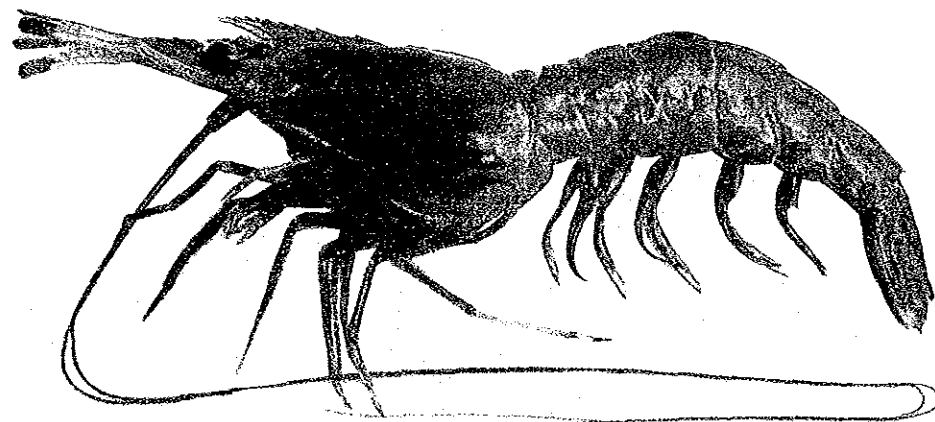
① Penaeidae  
*Penaeus californiensis*  
② Camarón café ♂  
③ BL 19.5cm



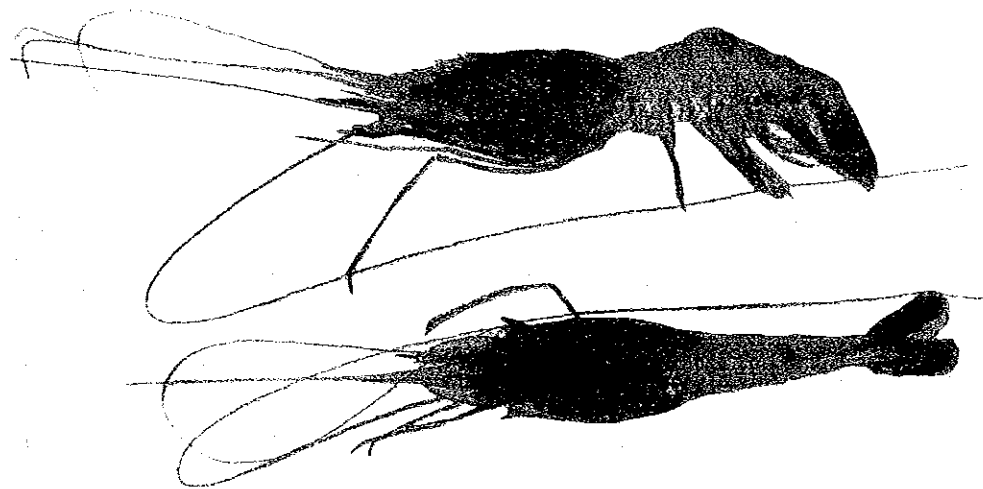
① Penaeidae  
*Penaeus brevirostris*  
② Camarón rosado  
③ BL 17.5cm



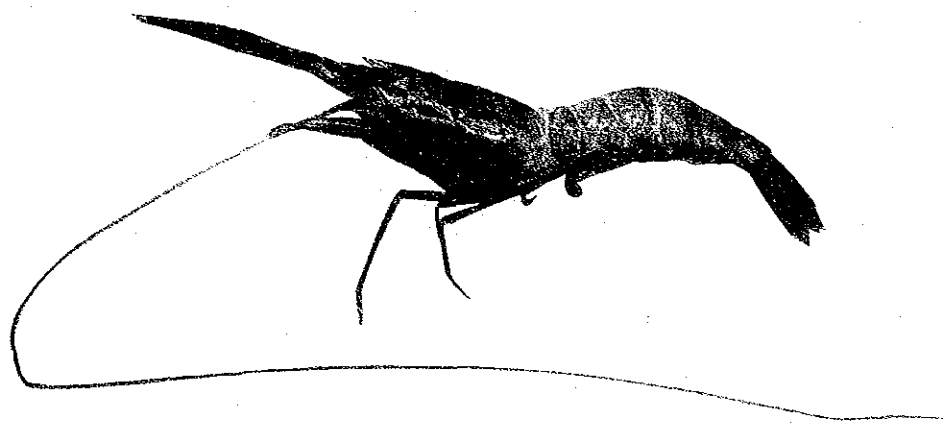
① *Ommastrephes bartrami*  
② Calamar  
③ ML 21.0cm



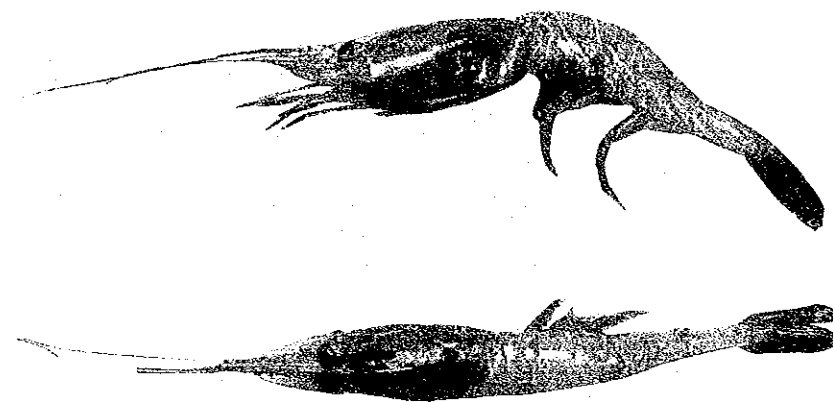
① Solenoceridae  
*Solenocera agassisi*  
② Camarón fidel  
③ BL 15.0cm



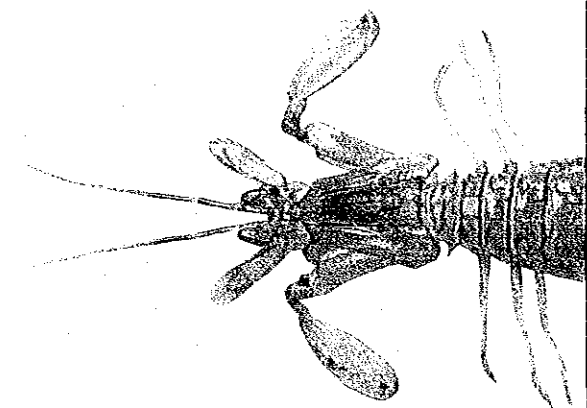
① Pandalidae  
*Heterocarpus* sp.  
② Camarón camello  
③ BL 11.0cm



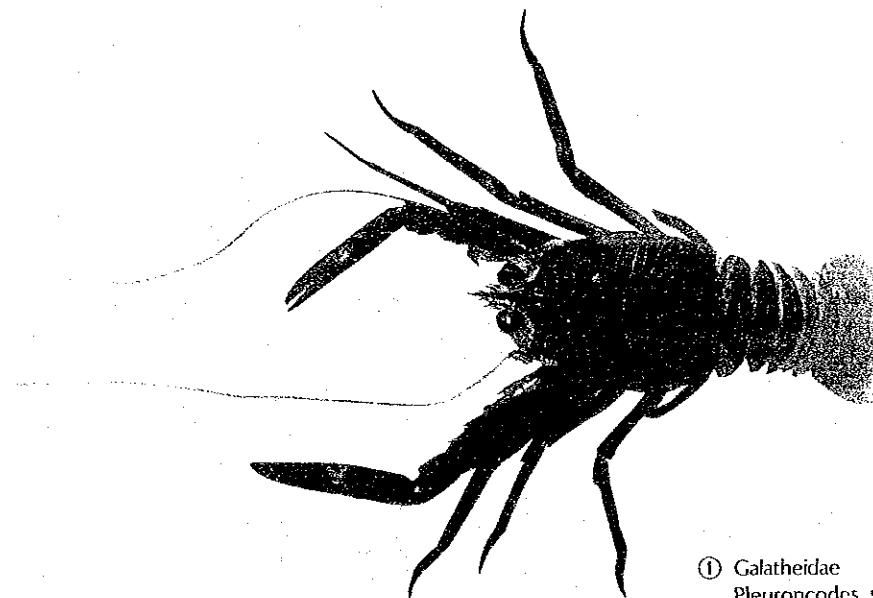
① —  
② Camarón colindra  
③ BL 8.0cm



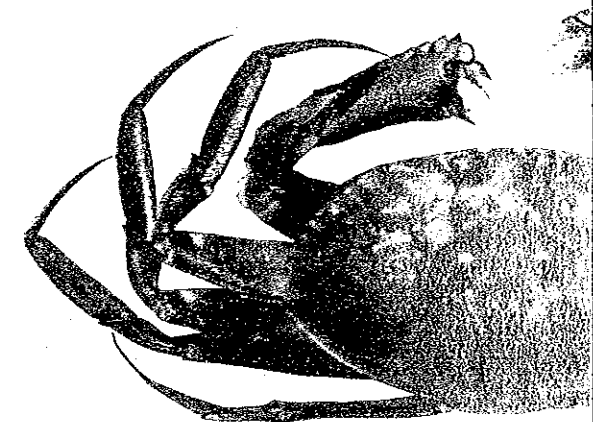
① —  
② Camarón aserrin  
③ BL 7.0cm

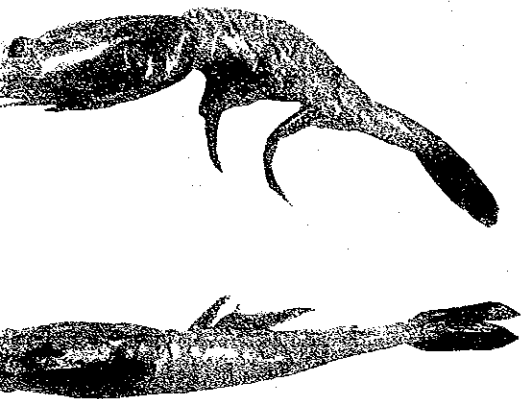


① Sicyonidae  
Sycionia sp.  
② —  
③ BL 8.0cm

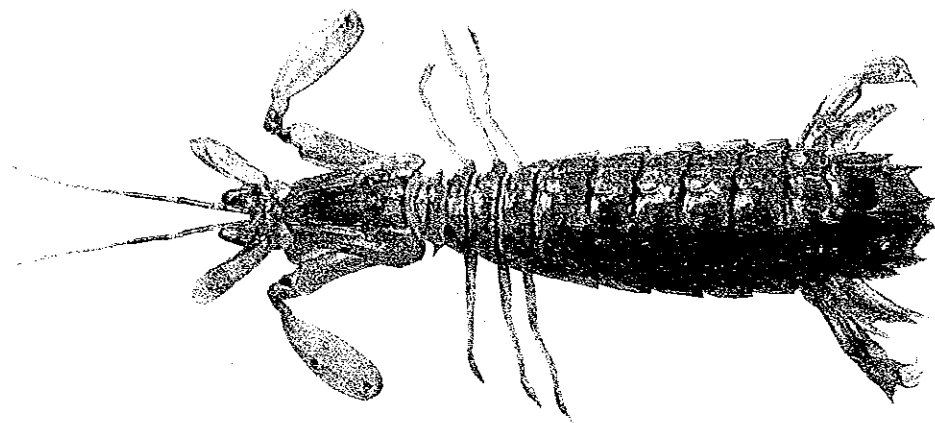


① Galatheidae  
Pleuroncodes sp.  
② Langostino  
③ CL 3.5cm

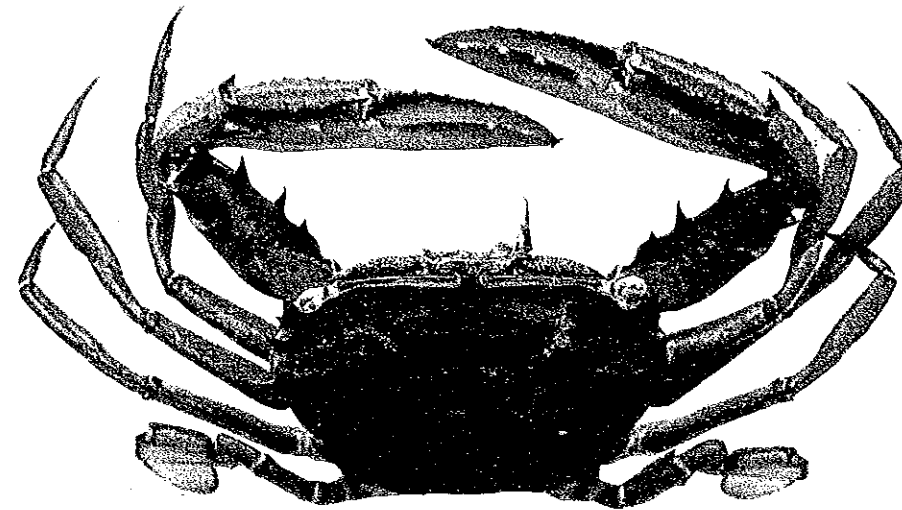




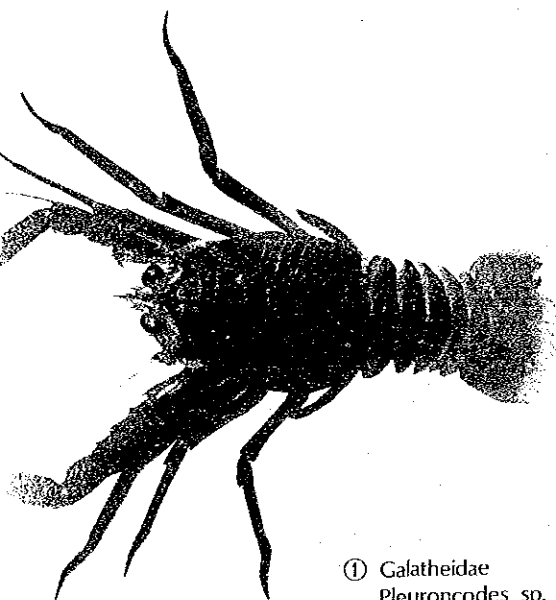
① —  
② Camarón aserrín  
③ BL 7.0cm



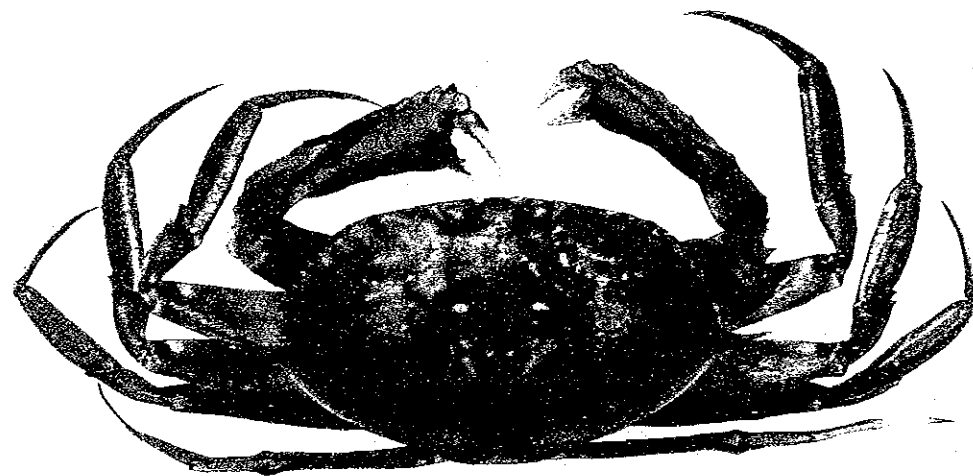
① Squillidae  
Squilla sp.  
② —  
③ BL 10.5cm



① Porthunidae  
Callinectes sp.  
② —  
③ CL 6.0cm



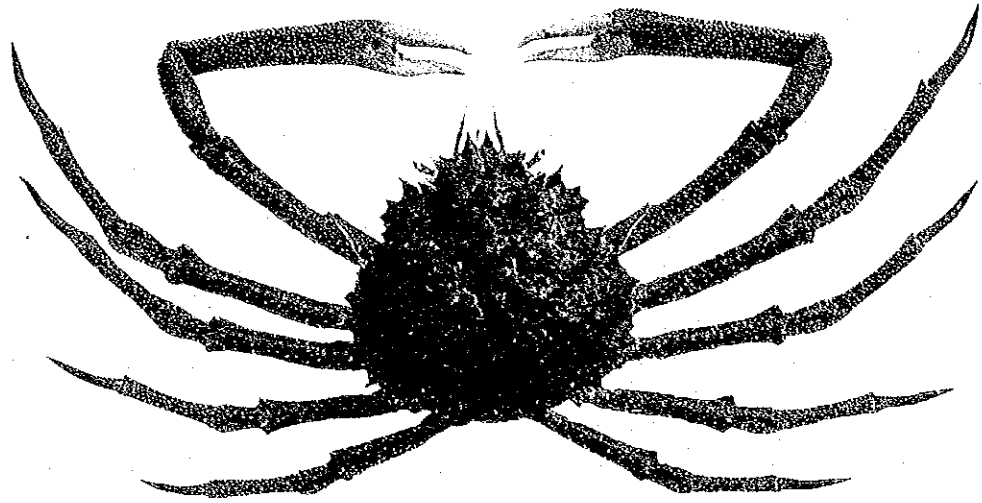
① Galatheidae  
Pleuroncodes sp.  
② Langostino  
③ CL 3.5cm



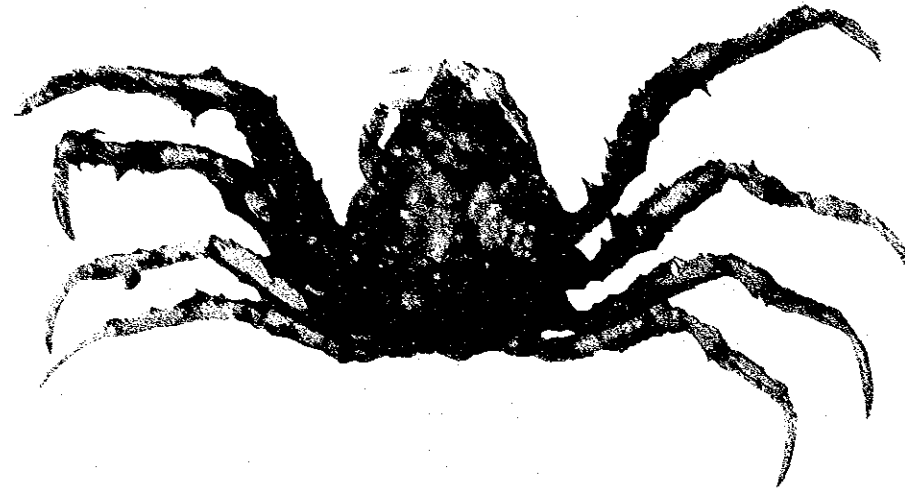
① Portunidae sp.  
② —  
③ CL 5.0cm



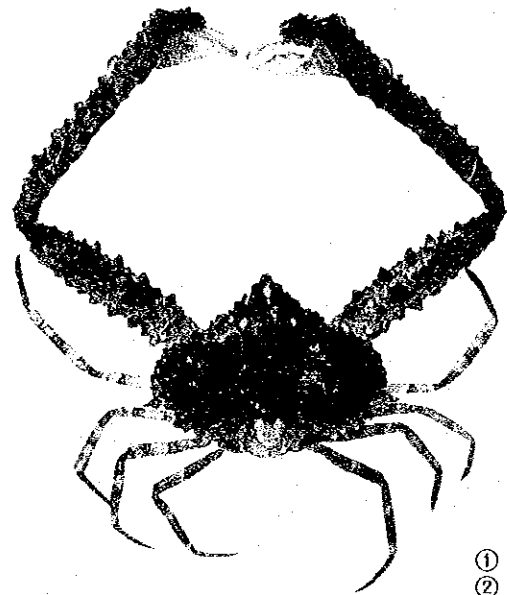
① Calappidae  
② Cangrejo  
③ CL 11.0cm



① Majidae sp.  
② —  
③ CL 17.0cm



① Majidae sp.  
② —  
③ Cl. 2.0cm



① Parthenopidae sp.  
② —  
③ CL 2.5cm



① Leucosidae  
Illicantha sp.  
② —  
③ CL 3.0cm

JICA