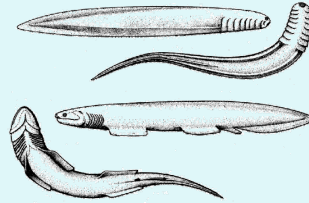


Ichtyológia

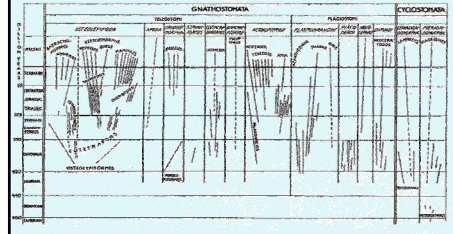
3-Chondrichthyes 1

KAROL HENSEL

Hypotetické
pro-gnathostoma a gnathostoma



Vertebrata



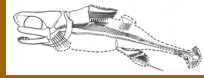
Chondrichthyes



Cladoselache fylleri
(Elasmobranchii, Cladoselachimorpha)



Pleuracanthus sessilis
(Elasmobranchii, Xenacanthimorpha)



Iniopteryx rushlani
(Holocephali, Paraselachimorpha)



Promerygele peyeri
(Holocephali, Paraselachimorpha)

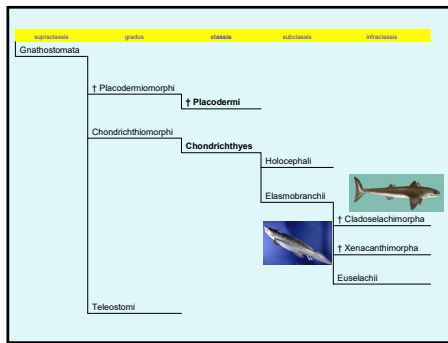
Stethacanthus altoniensis
(Elasmobranchii, Symmoriida)



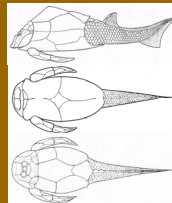
Xenacanthus



Cladoselache



Placodermi



Pterichthyodes milleri



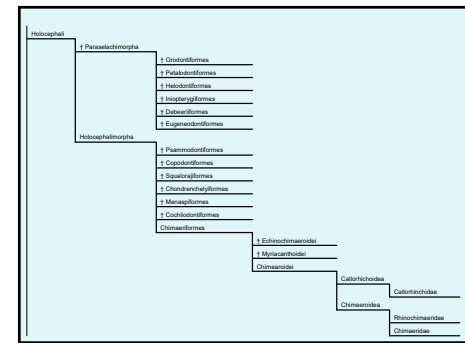
Gemuendina stuerzi



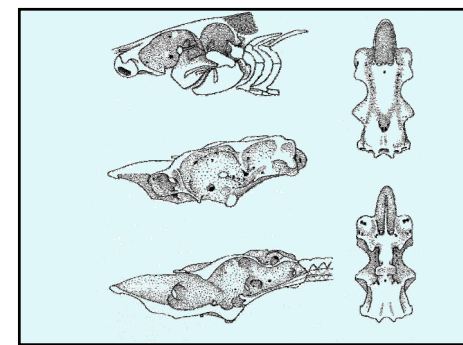
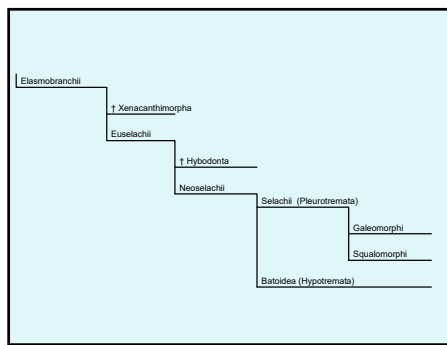
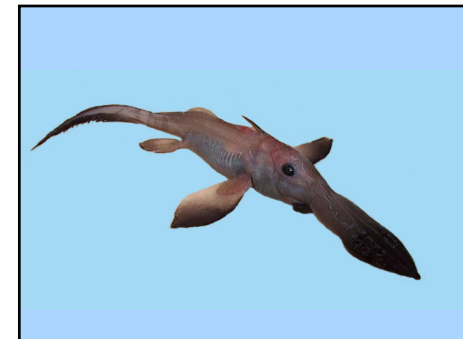
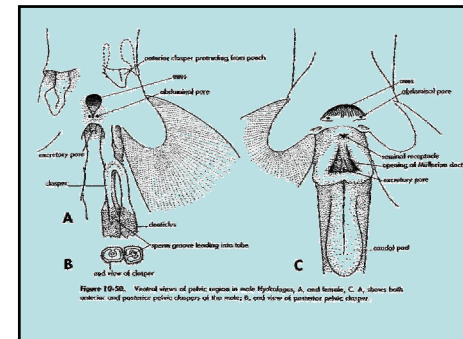
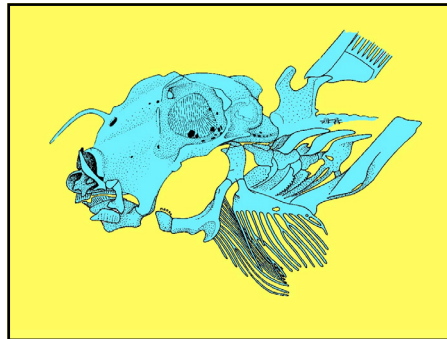
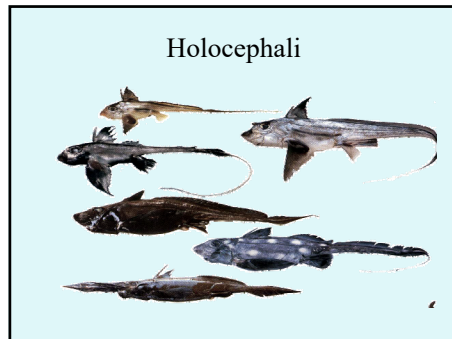
Lunaspis broilii



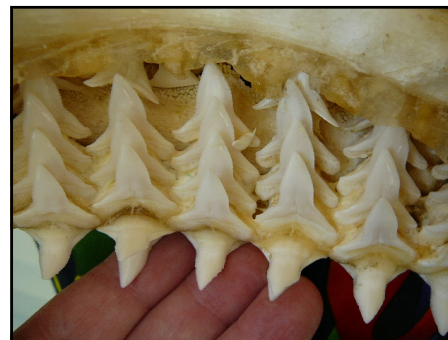
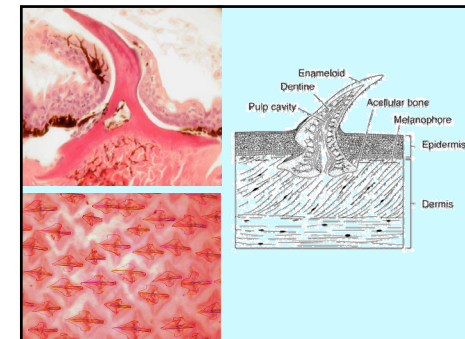
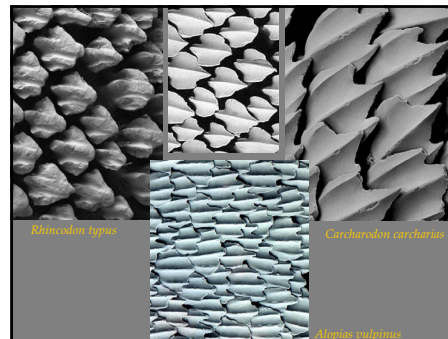
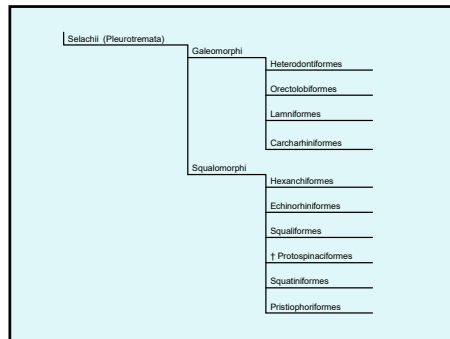
Bothriolepis canadensis



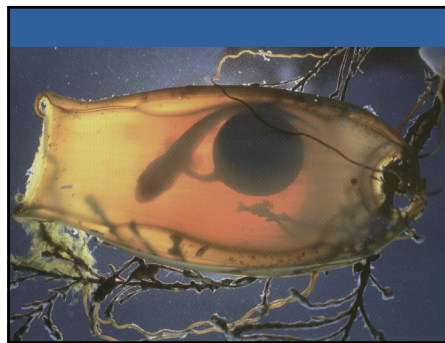
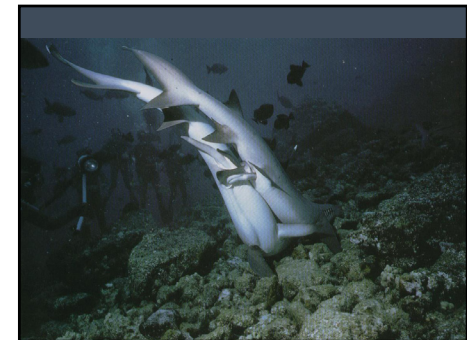
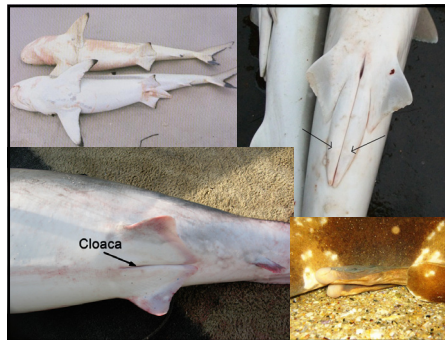
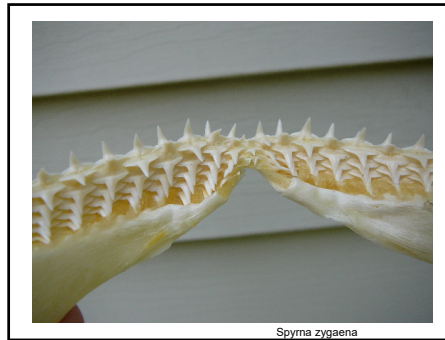
Ichtyológia - 3 - Chondrichthyes 1



Ichtyológia - 3 - Chondrichthyes 1



Ichtyológia - 3 - Chondrichthyes 1



Ichtyológia - 3 - Chondrichthyes 1



Selachii (Selachimorpha, Pleurotremata)
 Galeomorphi
 Heterodontiformes
 Orectolobiformes
 Lamniformes
 Carcharhiniformes
 Squalomorphi
 Hexanchiformes
 Echinorhiniformes
 Squaliformes
 † Protospinaciformes
 Squatiformes
 Pristiophoriformes
 Batoidea (Hypotremata)
 Torpediniformes
 Pristiiformes
 Rajiformes
 Myliobatiformes

HETERODONTIFORMES HETERODONTIDAE *Heterodontus*



Heterodontus portusjacksoni

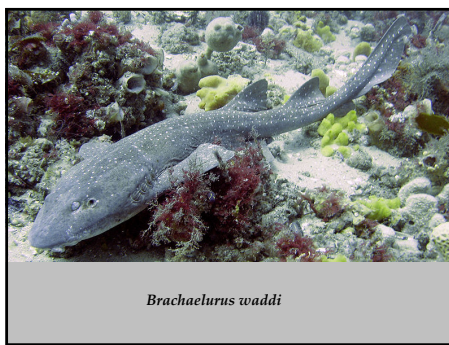


Heterodontus portusjacksoni

ORECTOLOBIFORMES
 PARASCYLLOIDEI
 PARASCYLLOIDAE
 3 *Cirrhoscyllium*
 4 *Parascyllium*
 ORECTOLOBOIDEI
 BRACHAELURIDAE
 1 *Brachaelurus waddi*
 1 *Heteroscyllium colcloughi*
 ORECTOLOBIIDAE
 1 *Eucrossorhinus dasypogon*
 4 *Orectolobus*
 1 *Sutrectus tentaculatus*
 HEMISCYLLOIDAE
 7 *Chiloscyllium*
 5 *Hemiscyllium*
 STEGOSTOMATIDAE
 1 *Stegostoma fasciatum*
 GINGIMOSTOMATIDAE
 1 *Gingimostoma cirratum*
 1 *Nebrius ferrugineus*
 1 *Pseudoginglymostoma breviceaudatum*
 RHINCODONTIDAE
 1 *Rhincodon typus*



Cirrhoscyllium japonicum

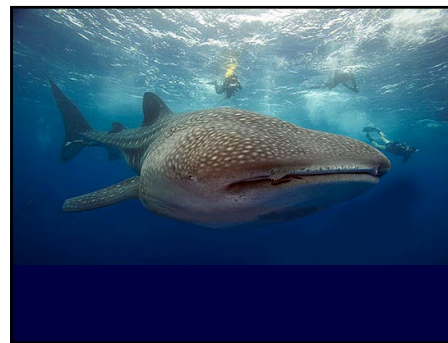
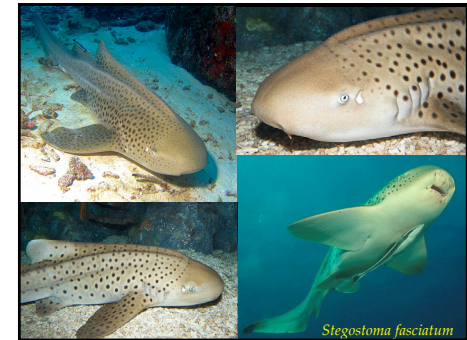
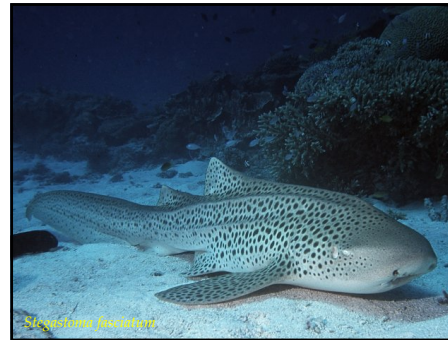
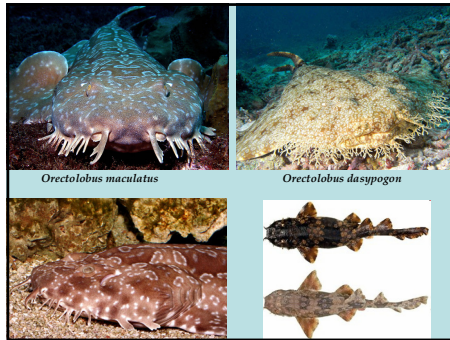


Brachaelurus waddi



Orectolobus ornatus

Ichtyológia - 3 - Chondrichthyes 1



Ichthyológia - 3 - Chondrichthyes 1

LAMNIFORMES	
ODONTASPIDIDAE	
2	<i>Eugomphodus</i>
2	<i>Odontaspis</i>
MITSUKURINIDAE	
1	<i>Mitsukurina owstoni</i>
PSEUDOCARCHARIIDAE	
1	<i>Pseudocarcharias kamoharui</i>
MEGACHASMIDAE	
1	<i>Megachasma pelagios</i>
ALUPIIDAE	
3	<i>Alopias</i>
CETORHINIDAE	
1	<i>Cetorhinus maximus</i>
LAMNIDAE	
1	<i>Carcharodon carcharias</i>
2	<i>Isurus</i>
1	<i>Lamna nasus</i>



Ichthyológia - 3 - Chondrichthyes 1

