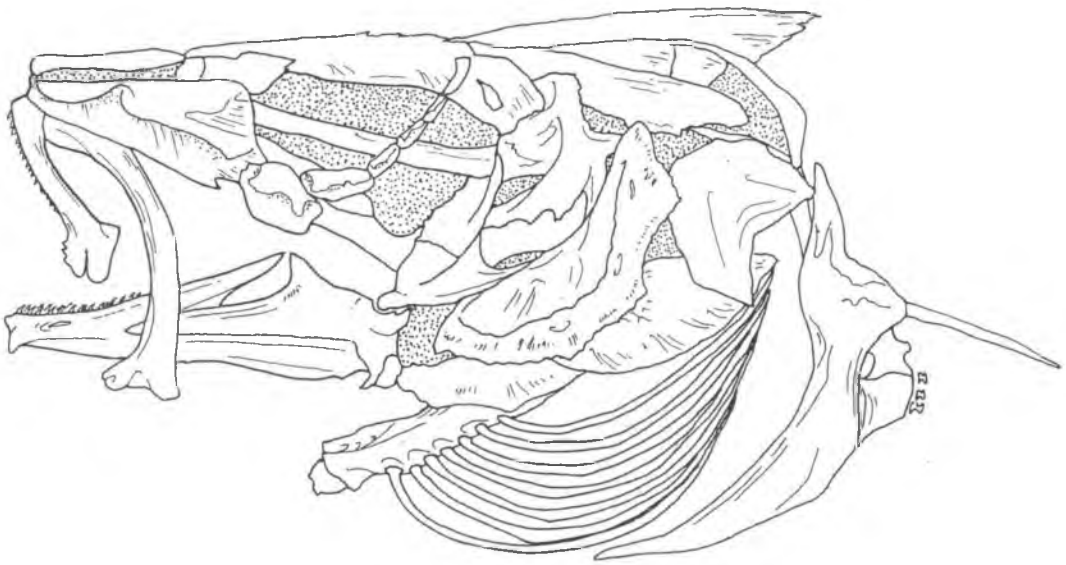
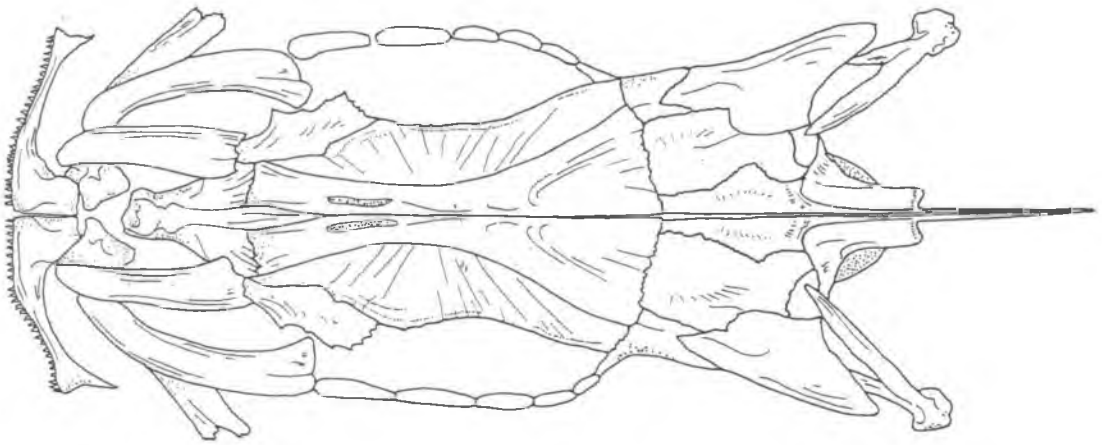
FAMILY GADIDAE

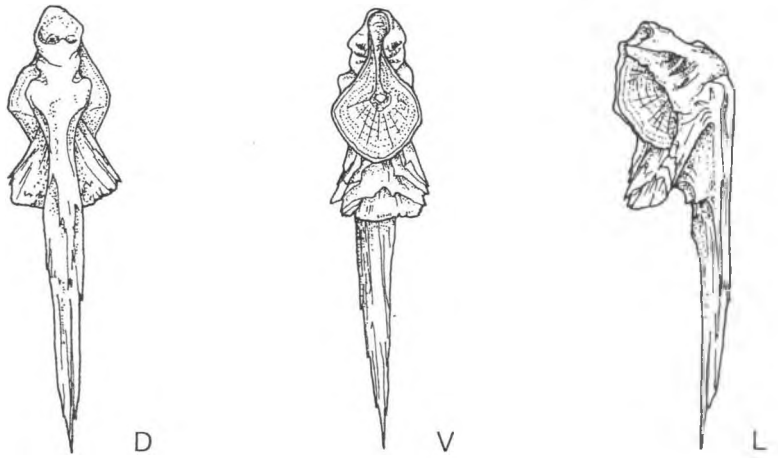




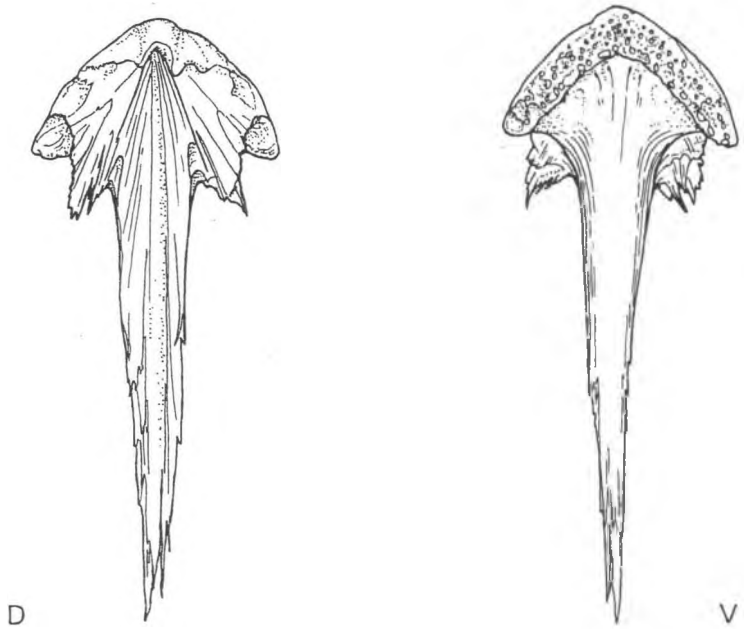
(after De Beer 1928)

GADIDAE *Gadus morhua*

OLFACTORY REGION



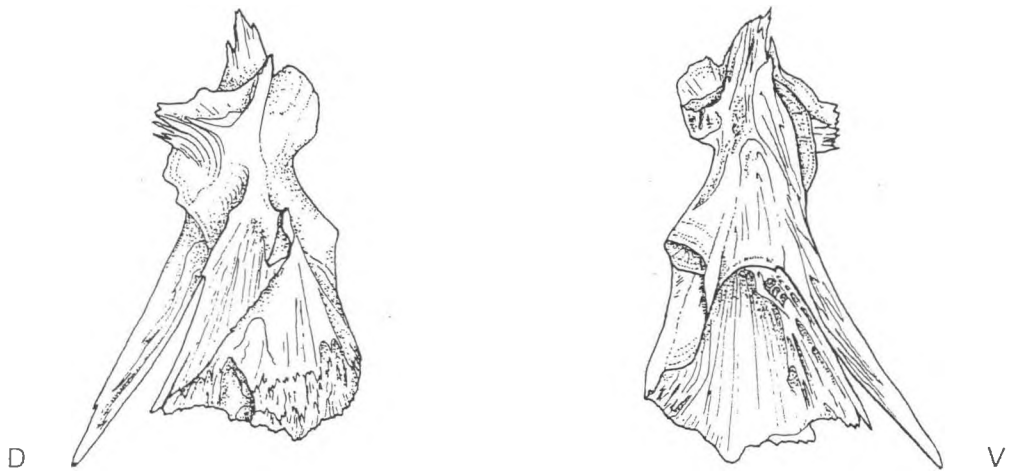
Mesethmoid



Vomer

GADIDAE *Gadus morhua*

OLFACTORY REGION



Prefrontal

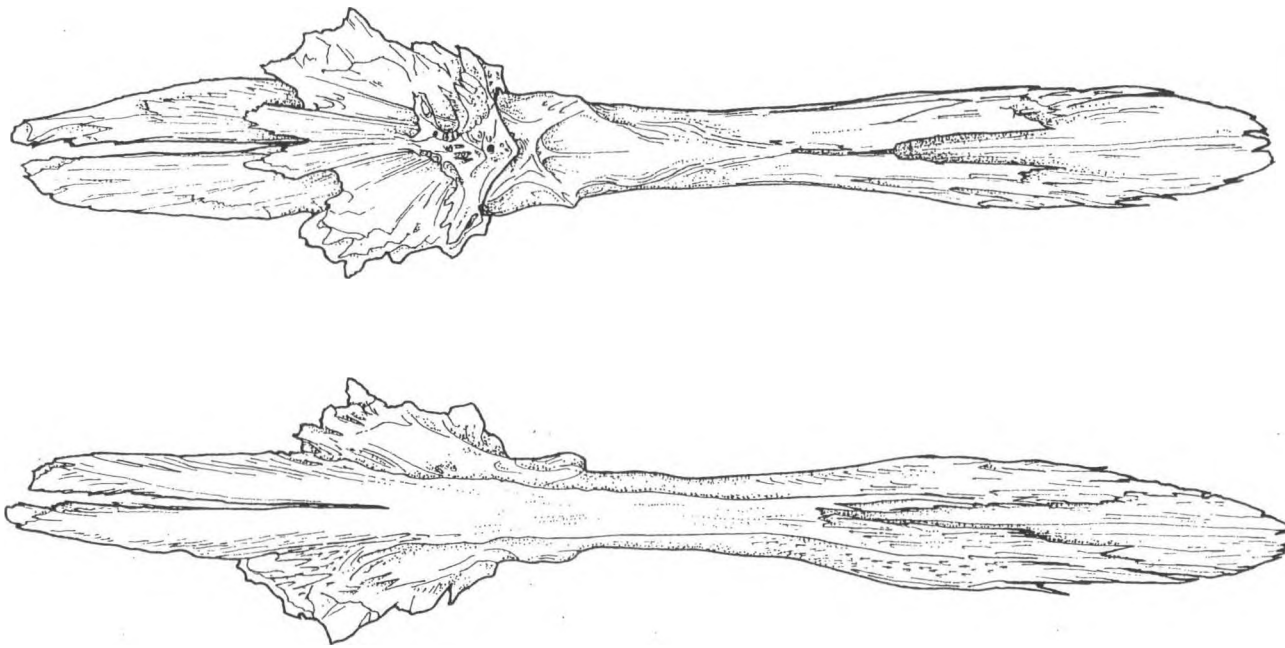
ORBITAL REGION



Alisphenoid

GADIDAE *Gadus morhua*

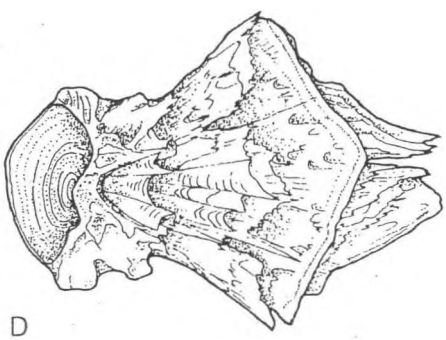
ORBITAL REGION



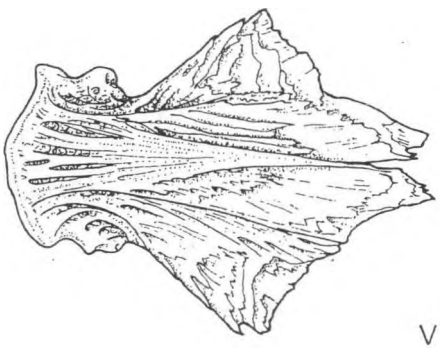
Parasphenoid

GADIDAE *Gadus morhua*

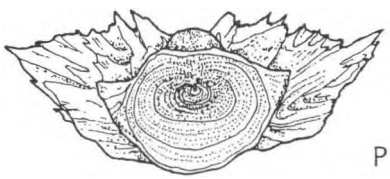
OCCIPITAL REGION



D

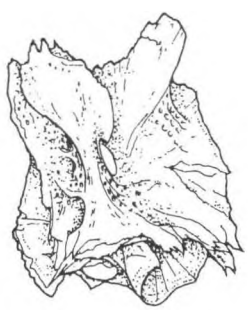


V



P

Basioccipital



L

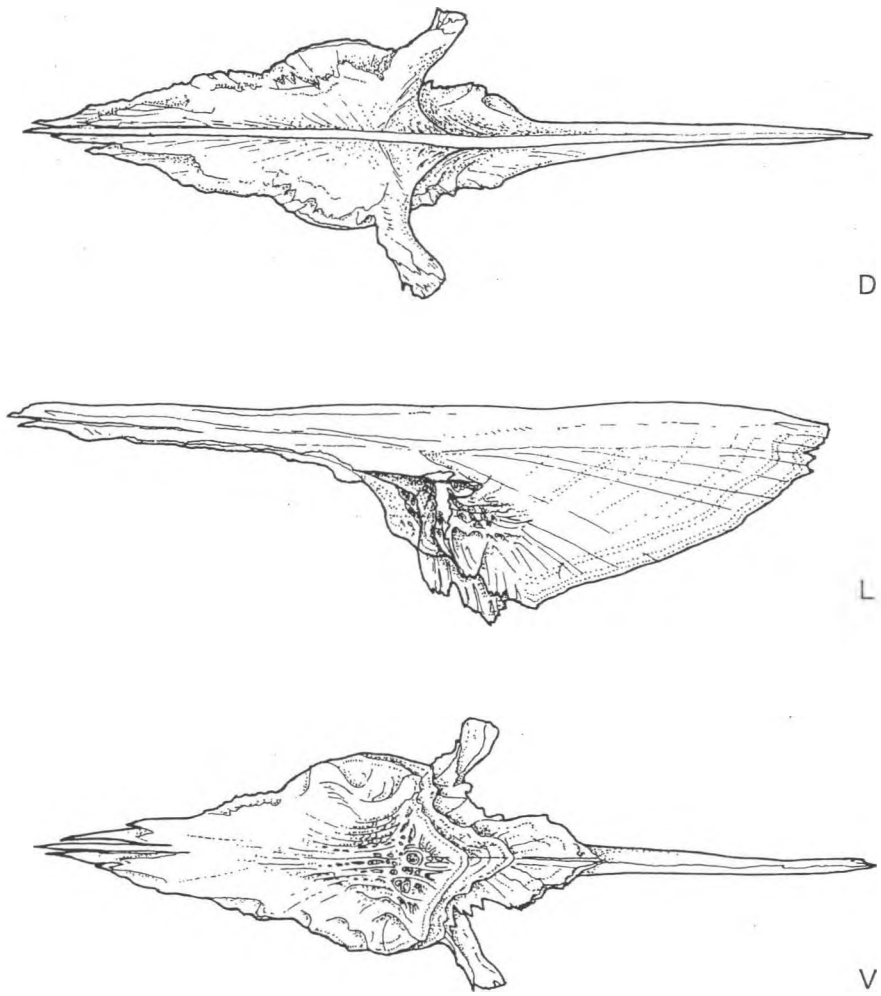


M

Exoccipital

GADIDAE *Gadus morhua*

OCCIPITAL REGION



Supraoccipital

GADIDAE *Gadus morhua*

OTIC REGION

Pterotic



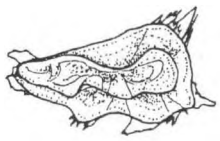
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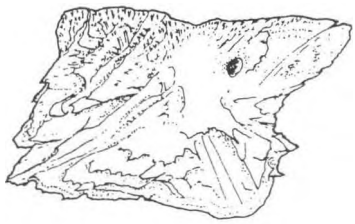
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Epiotic

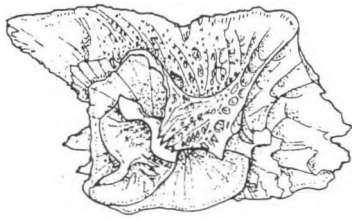




Sphenotic



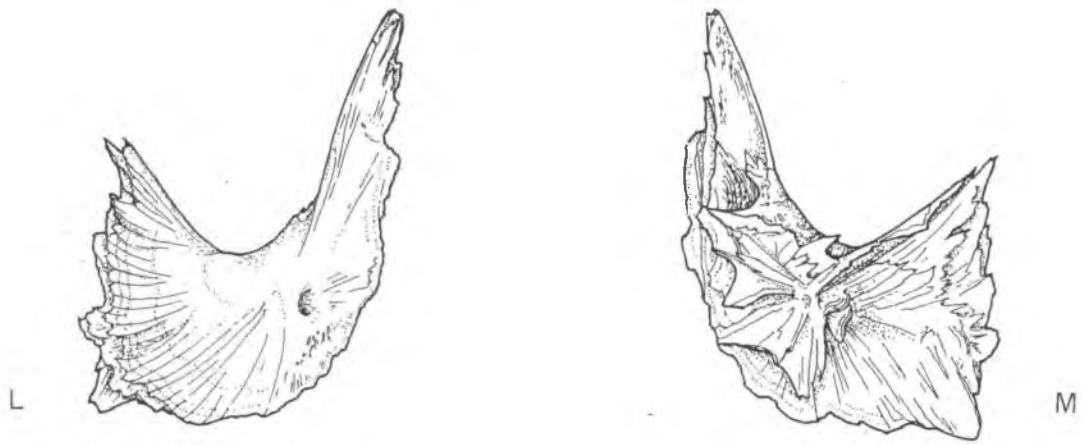
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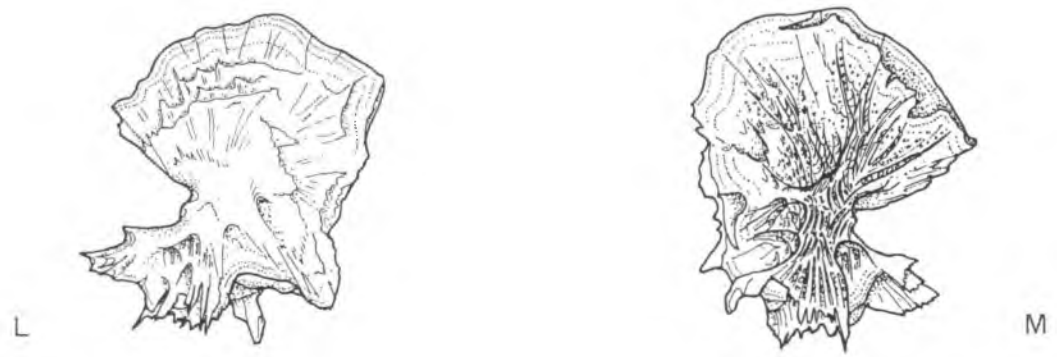
M

GADIDAE *Gadus Morhua*

OTIC REGION



Opisthotic



Prootic



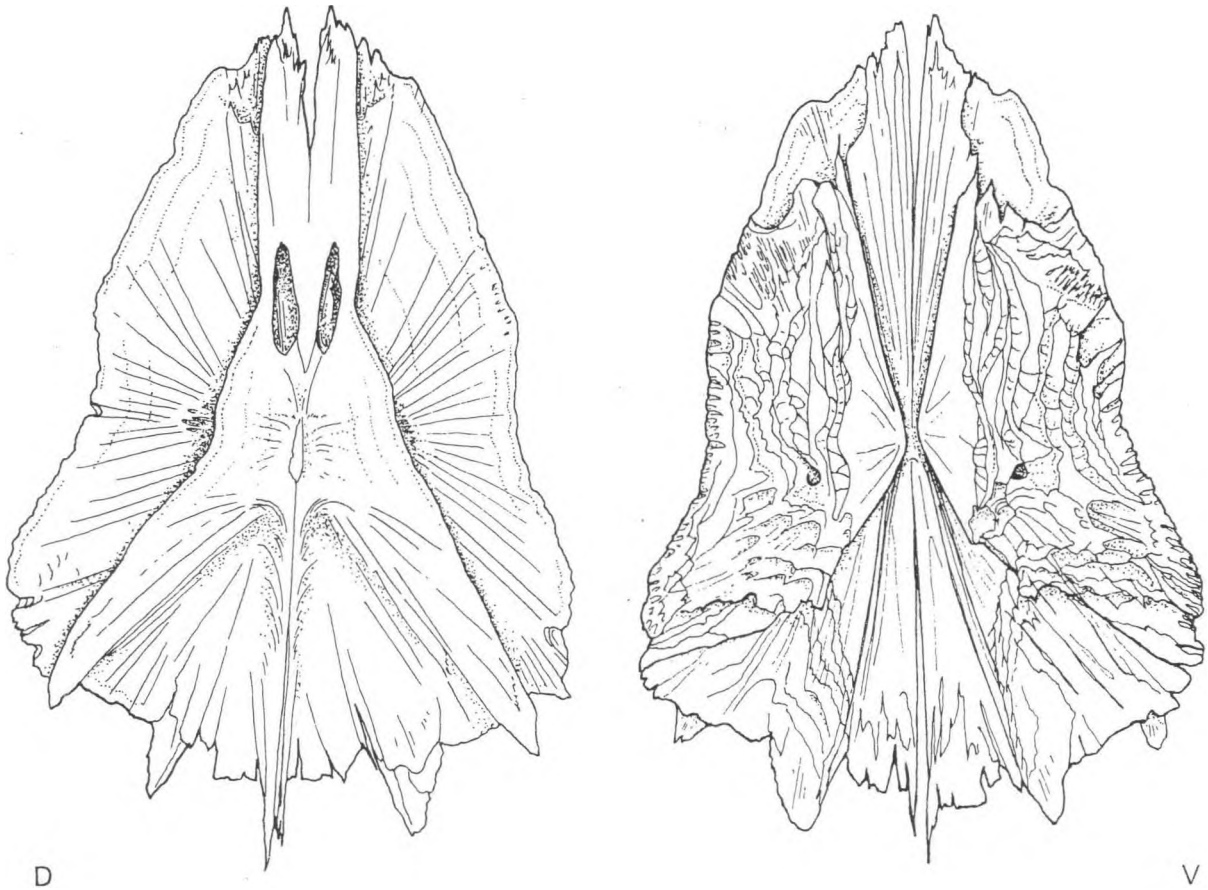
Otolith

GADIDAE *Gadus morhua*

INVESTING BONES



Nasal

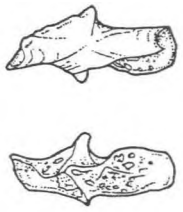


Frontal

GADIDAE *Gadus morhua*

INVESTING BONES

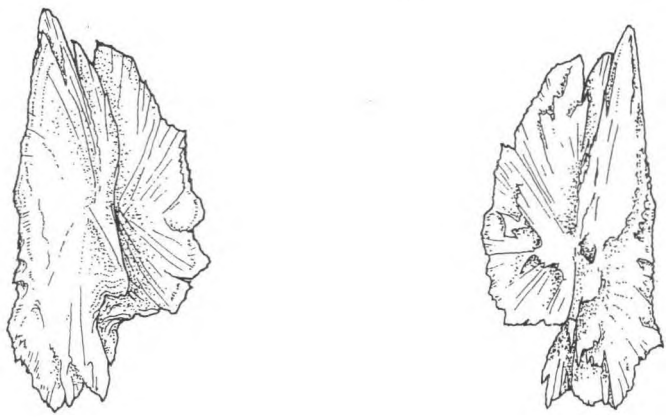




L

M

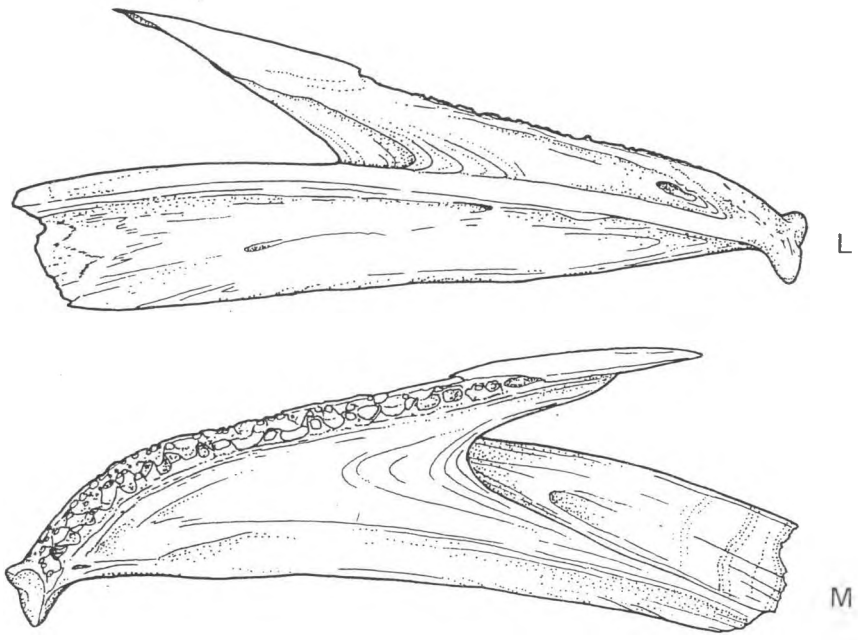
Supratemporals

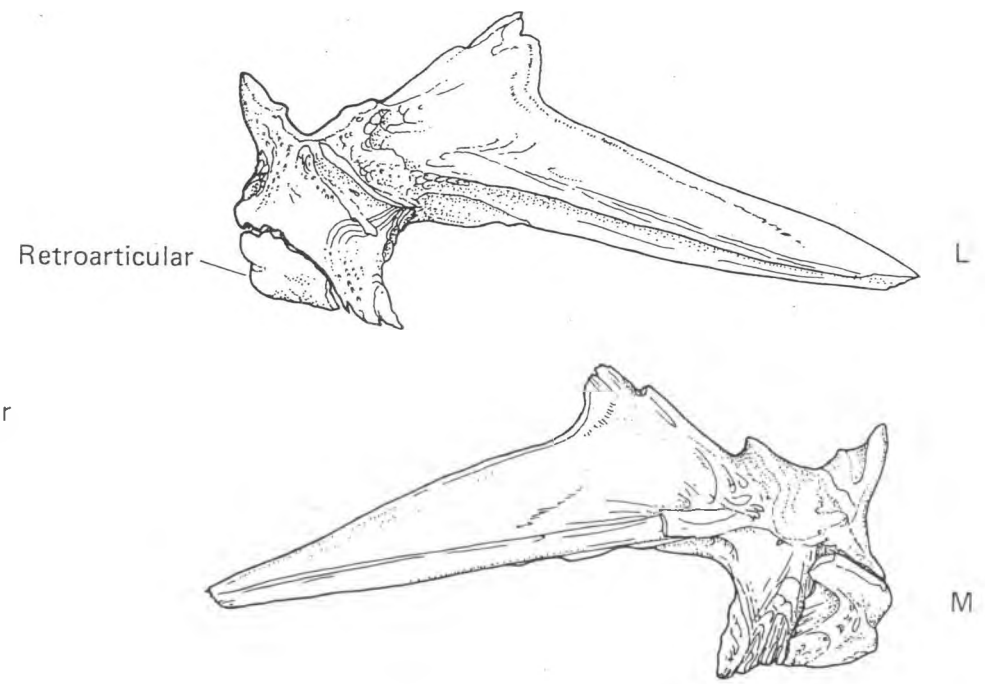


Parietal

GADIDAE *Gadus morhua*

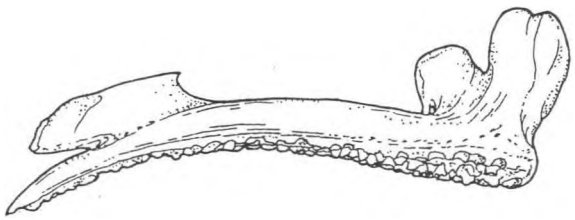
LATERAL SKULL BONES





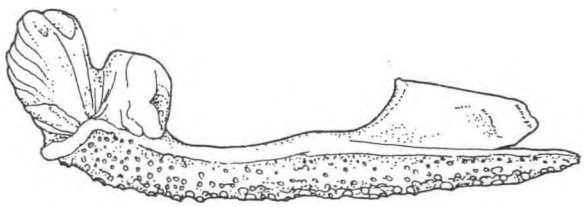
GADIDAE *Gadus morhua*

LATERAL SKULL BONES

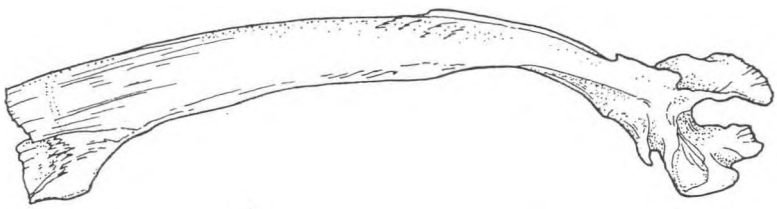


L

Premaxilla

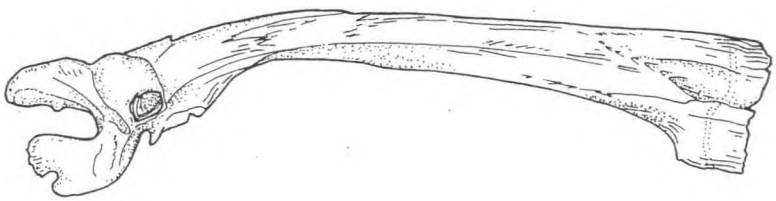


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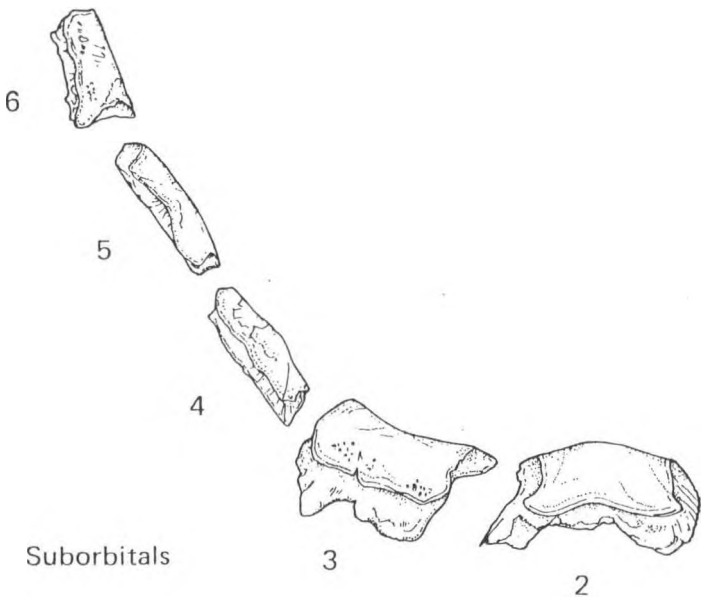
Maxilla



M

GADIDAE *Gadus morhua*

LATERAL SKULL BONES



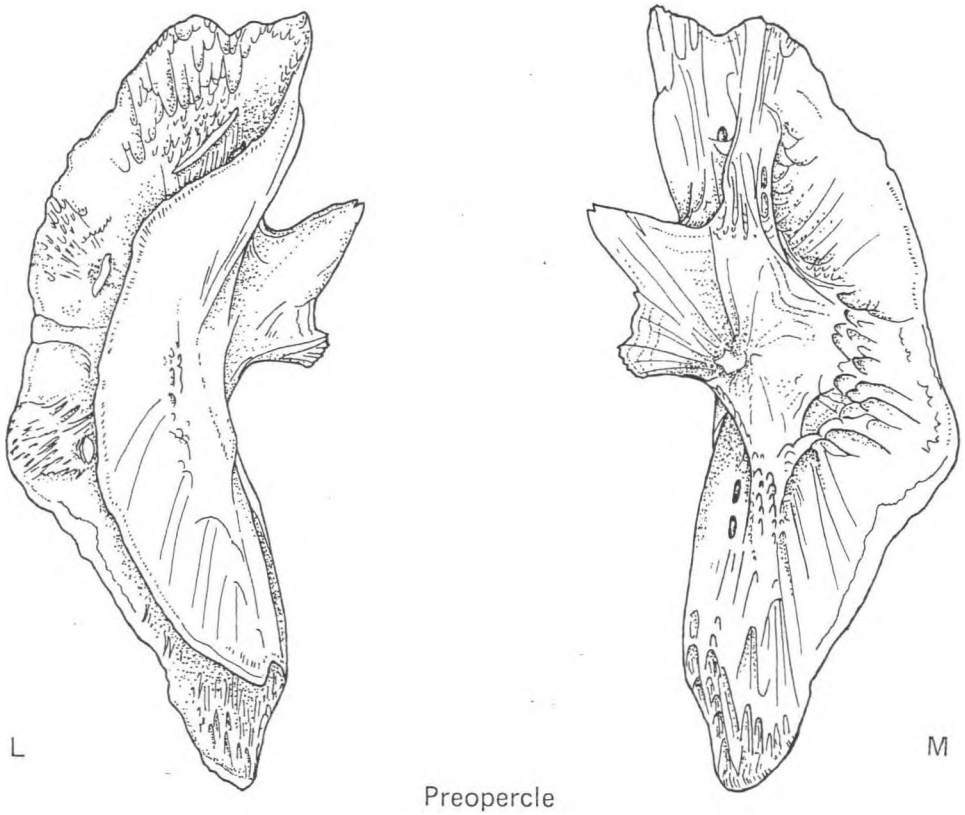
Circumorbital Series

1

Lachrymal

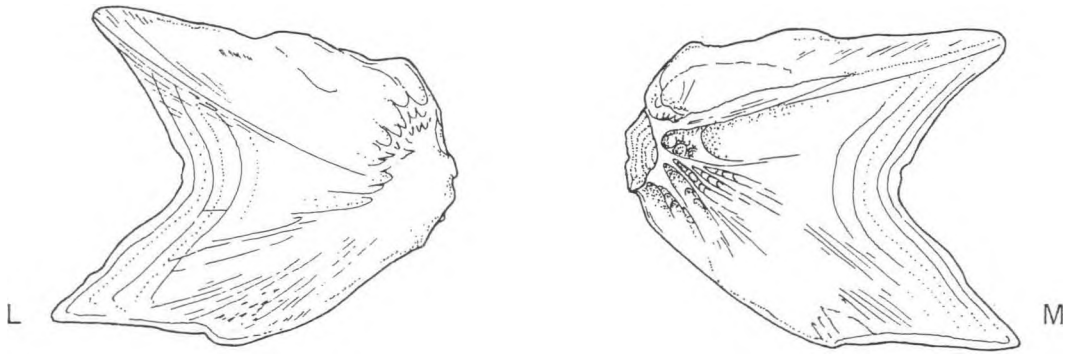
GADIDAE *Gadus Morhua*

LATERAL SKULL BONES



Preopercle

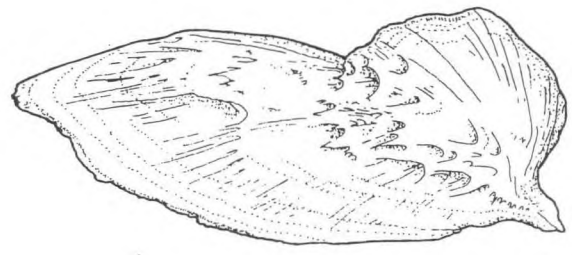
OPERCULAR SERIES



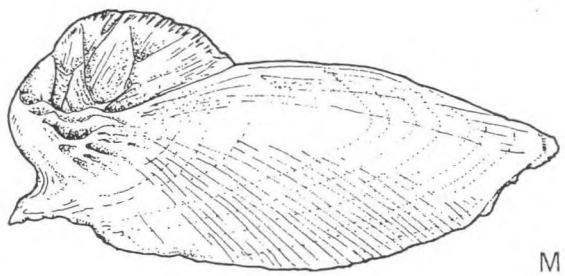
Opercle

GADIDAE *Gadus morhua*

OPERCULAR SERIES

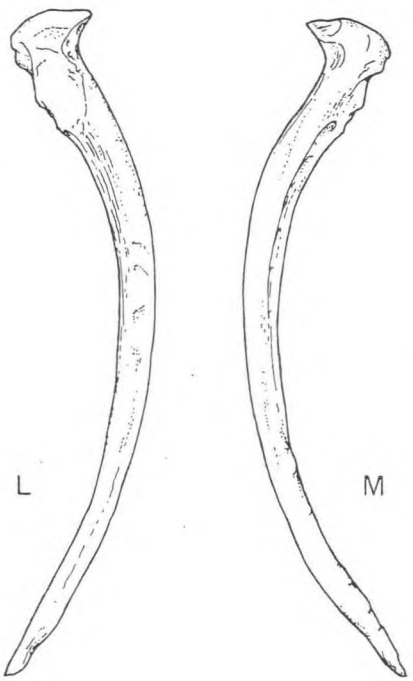


L



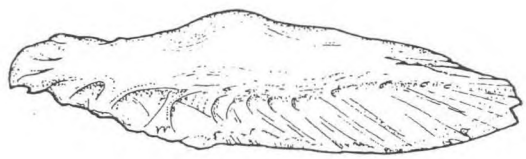
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Subopercle

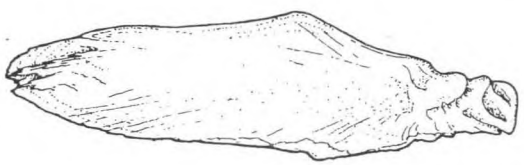


L M

Branchiostegal Ray



L

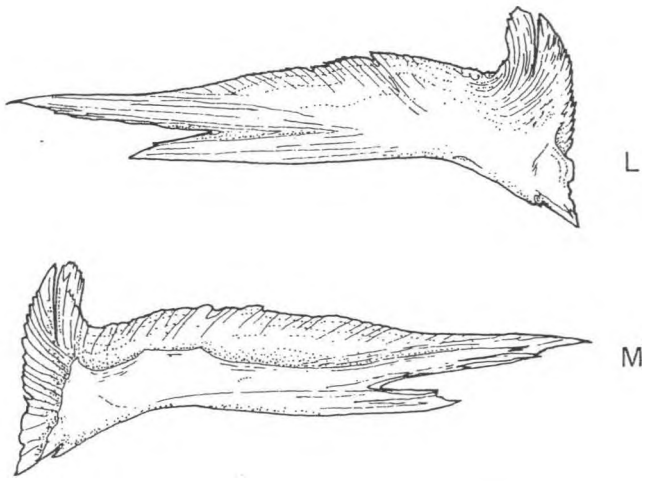


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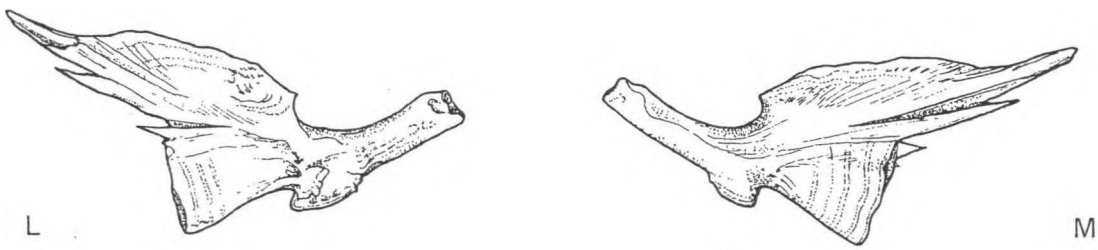
Interopercle

GADIDAE *Gadus morhua*

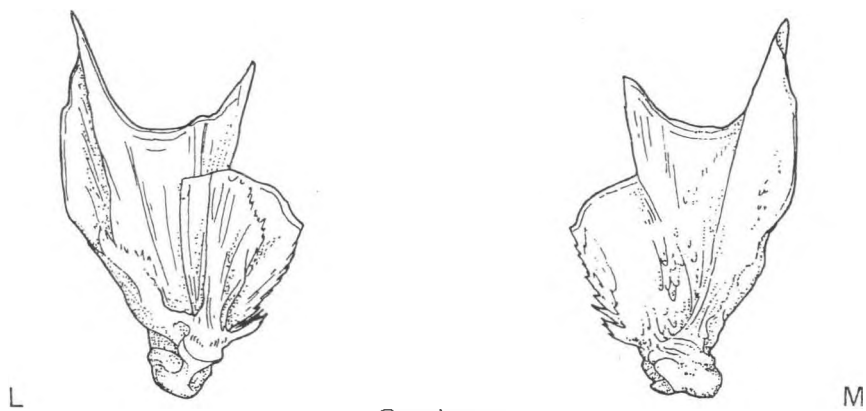
MANDIBULAR ARCH



Ectopterygoid



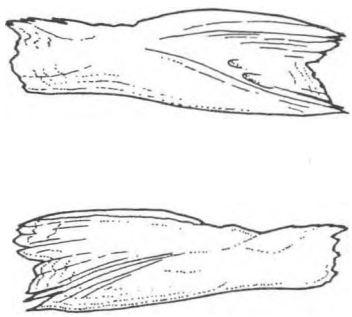
Palatine



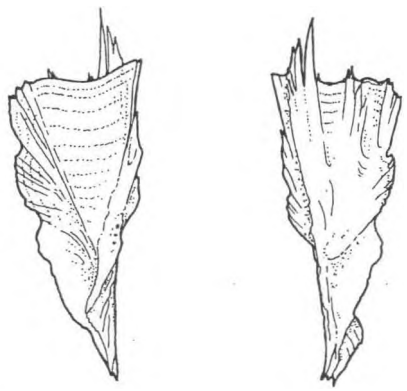
Quadrate

GADIDAE *Gadus morhua*

MANDIBULAR ARCH

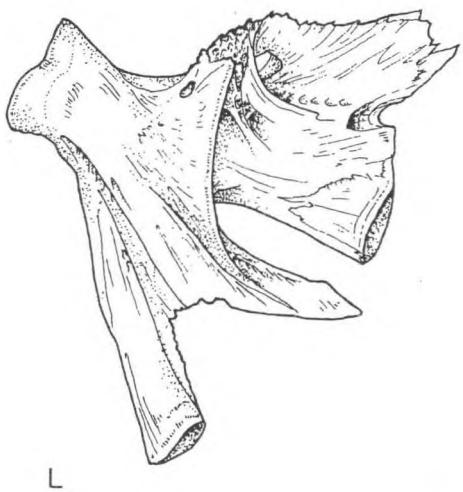


Mesopterygoid

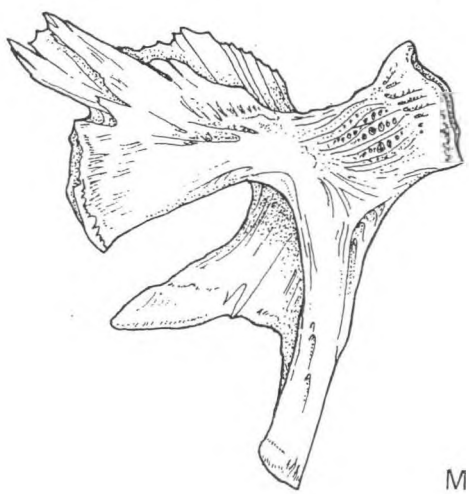


Metapterygoid

HYOID ARCH



L



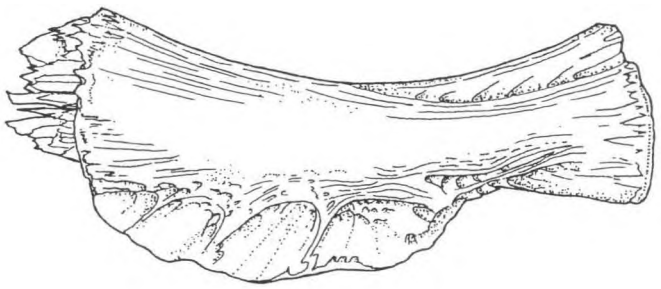
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Hyomandibular

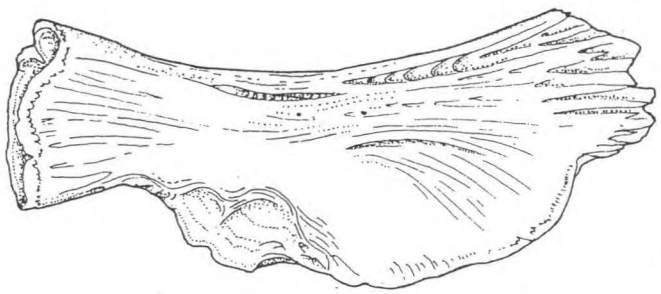
GADIDAE *Gadus morhua*

HYOID ARCH

Ceratohyal



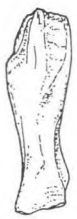
L

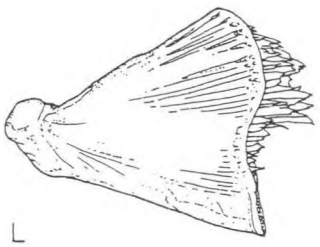


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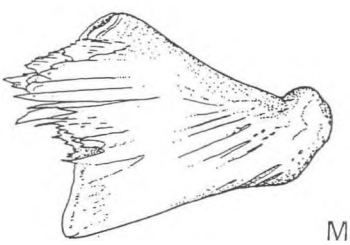


Interhyal





L

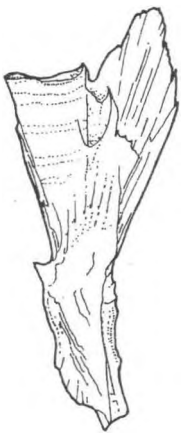


M

Epihyal

GADIDAE *Gadus morhua*

HYOID ARCH



Symplectic



1



upper



Hypohyal

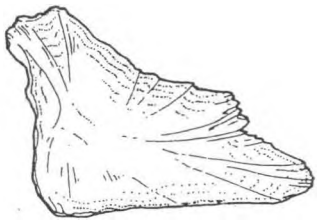


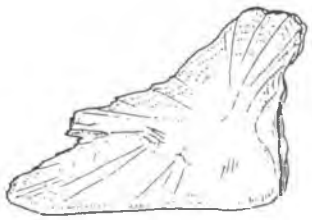
2

lower



BRANCHIAL ARCH

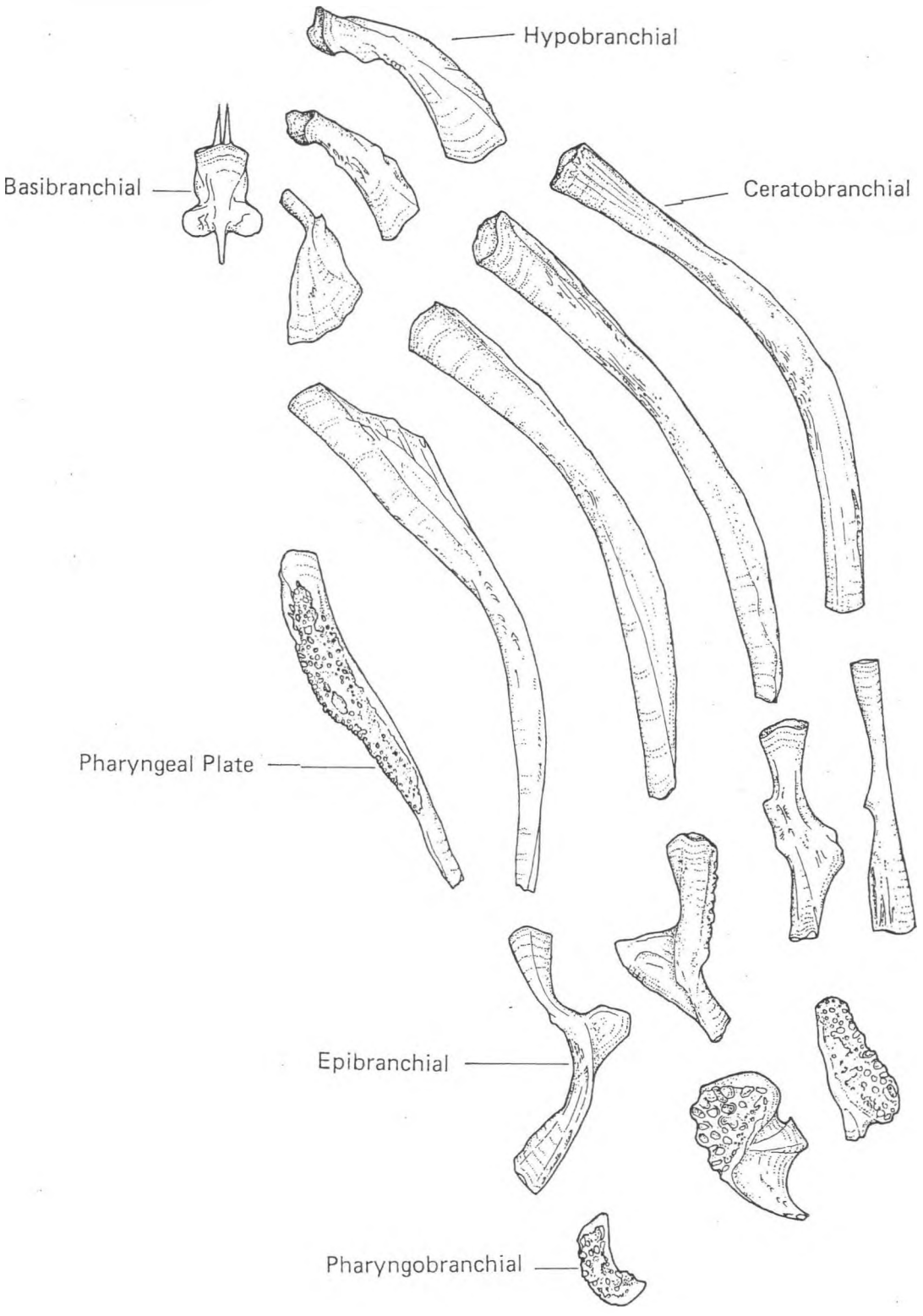




Urohyal

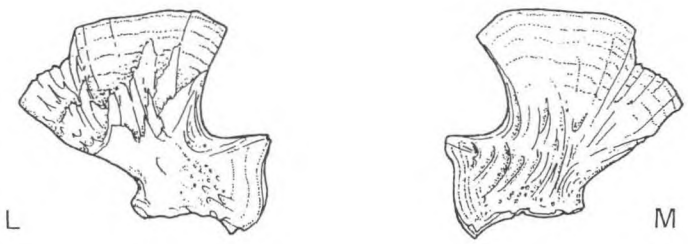
GADIDAE *Gadus morhua*

BRANCHIAL ARCH

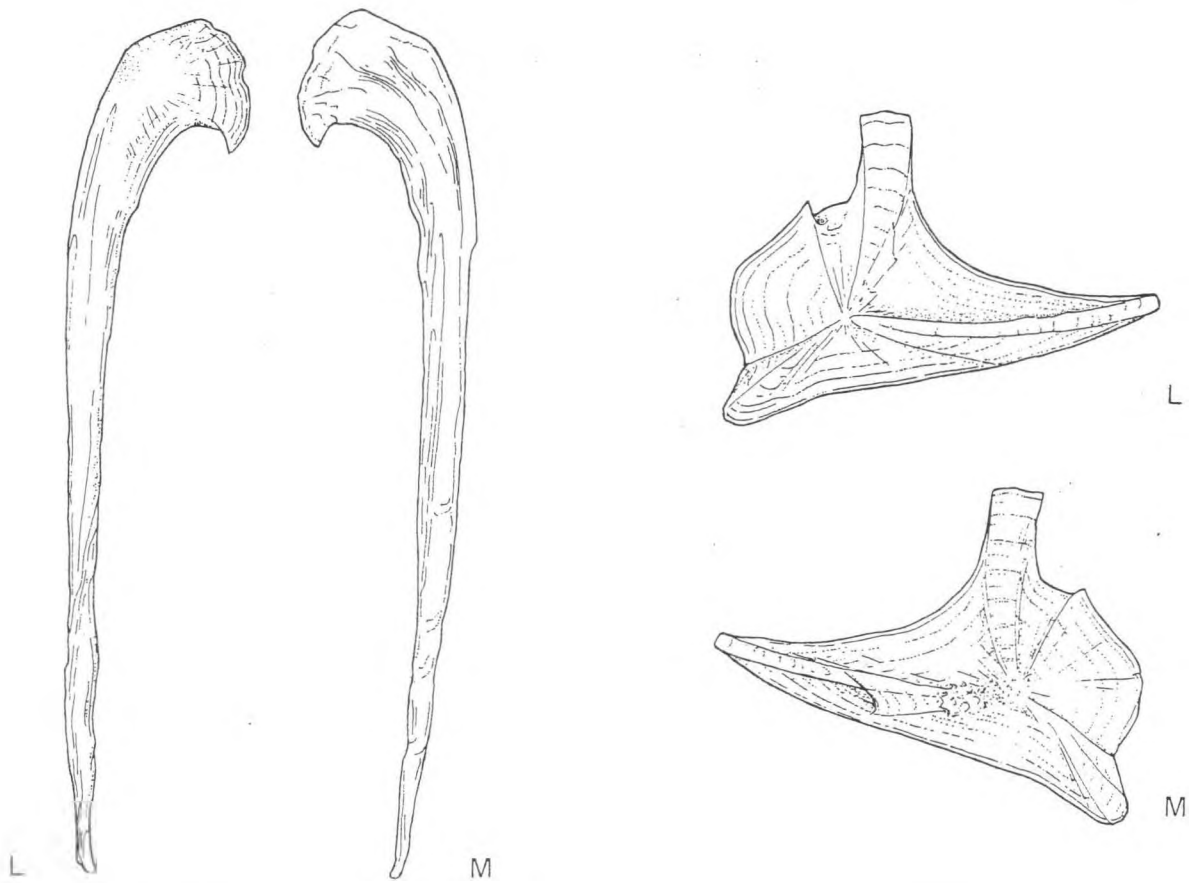


GADIDAE *Gadus Morhua*

PECTORAL GIRDLE



Scapula



Postcleithrum

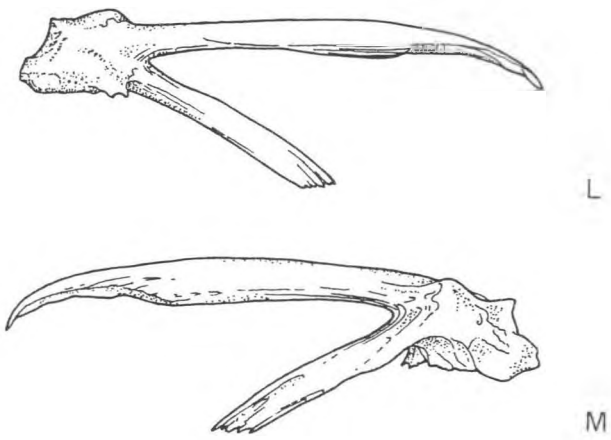
Coracoid

GADIDAE *Gadus morhua*

PECTORAL GIRDLE



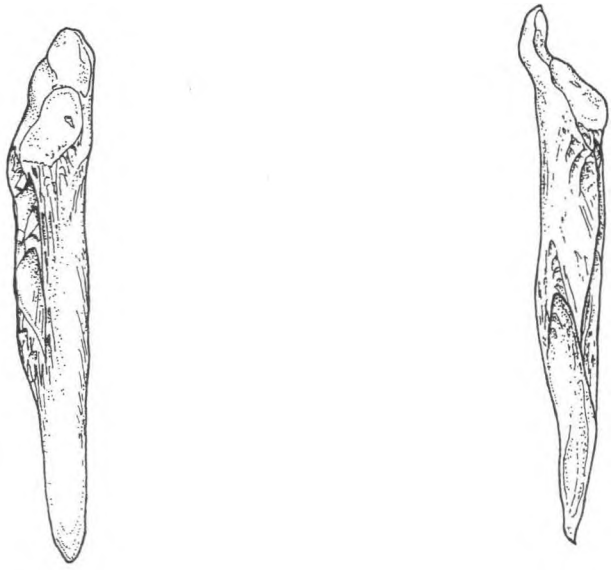
Radials



L

M

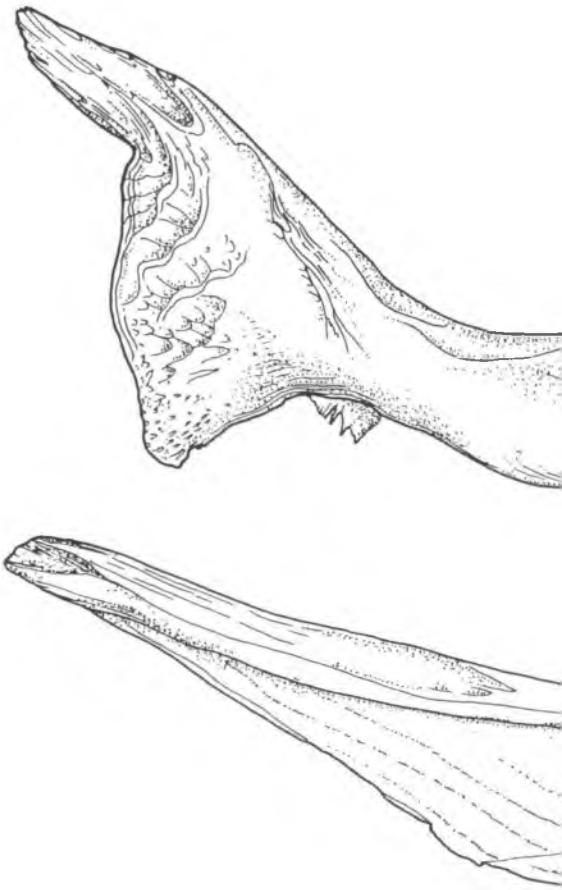
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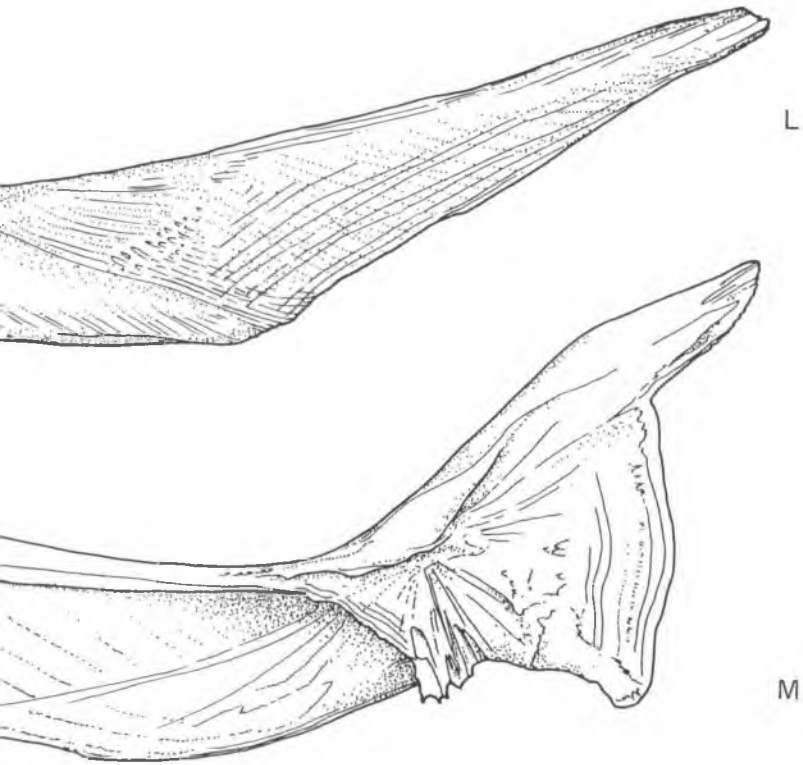
Supracleithrum

GADIDAE *Gadus morhua*

PECTORAL GIRDLE



Cleithrum



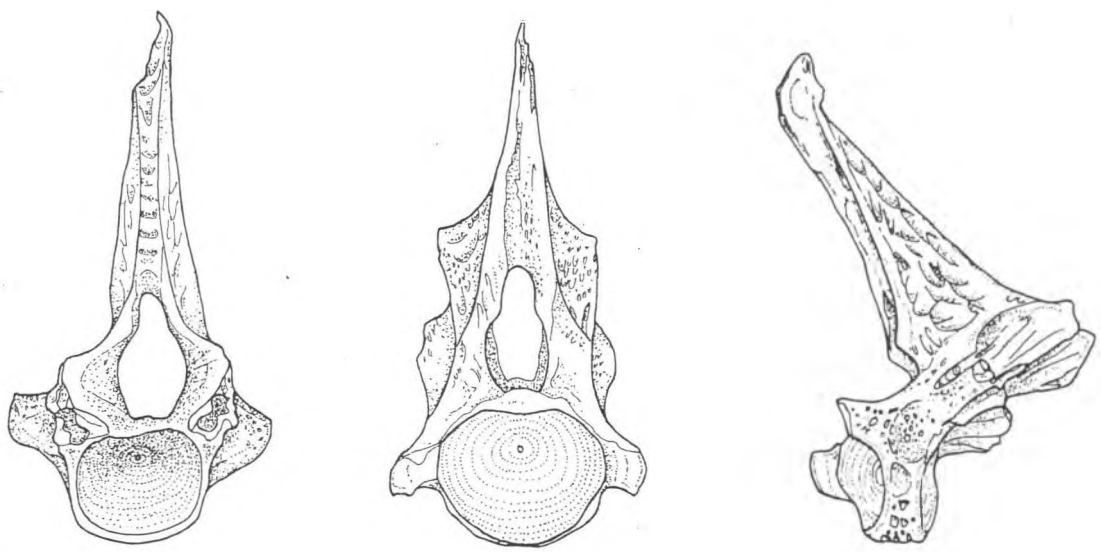
GADIDAE *Gadus morhua*

PELVIC GIRDLE



Basipterygium

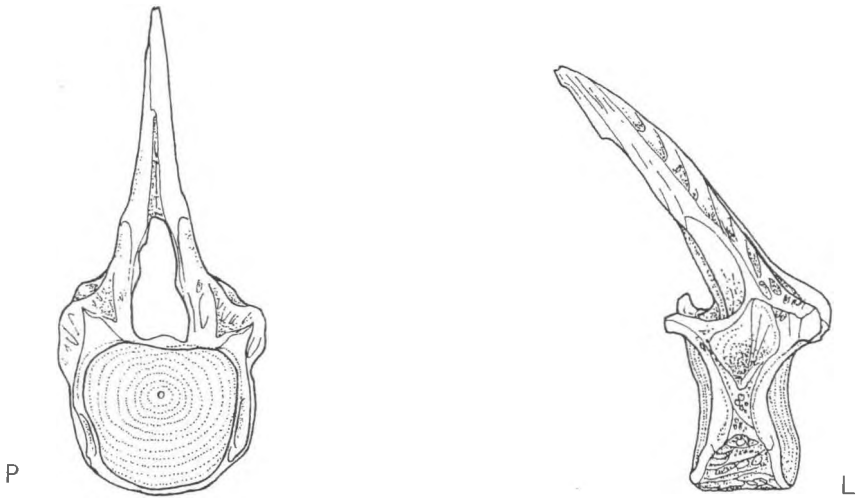
VERTEBRAL COLUMN



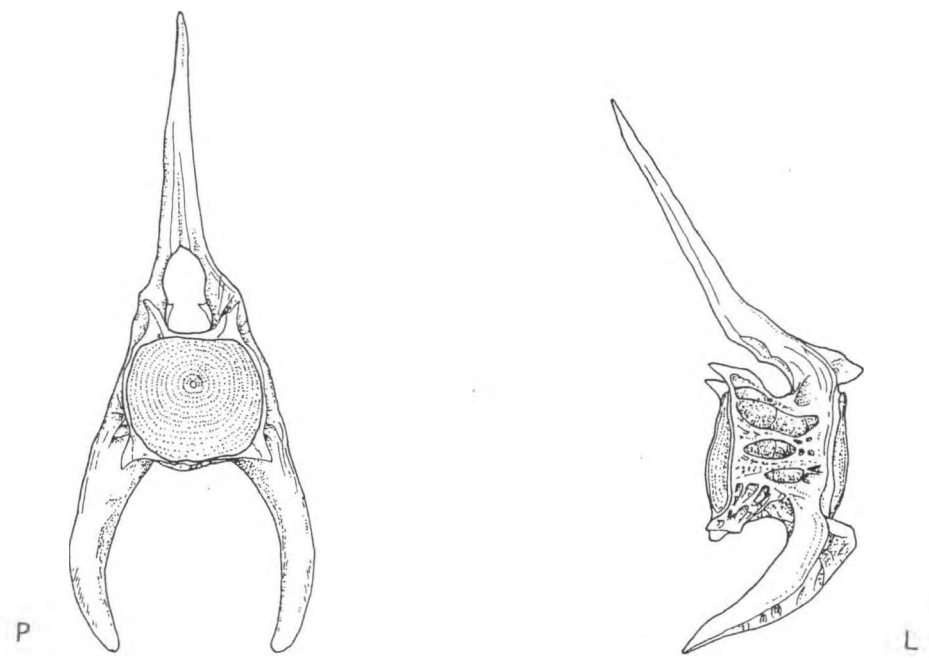
Atlas Vertebra

GADIDAE *Gadus morhua*

VERTEBRAL COLUMN



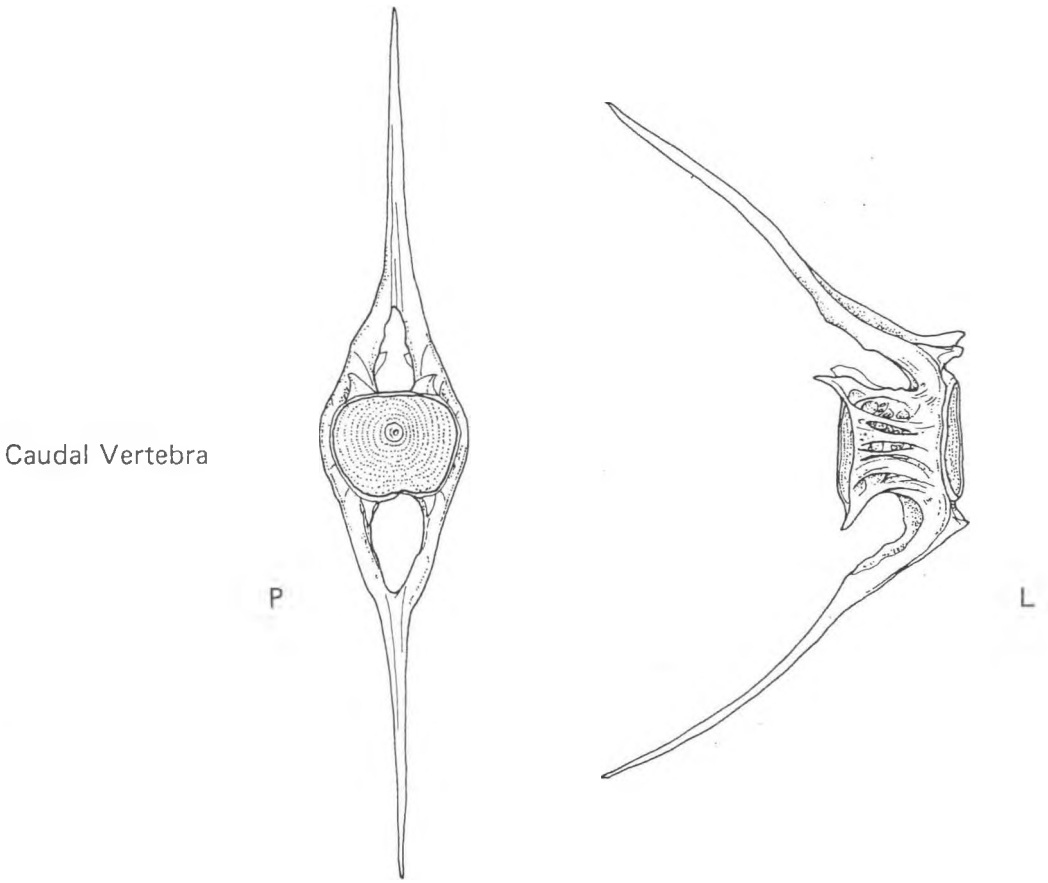
Thoracic Vertebra

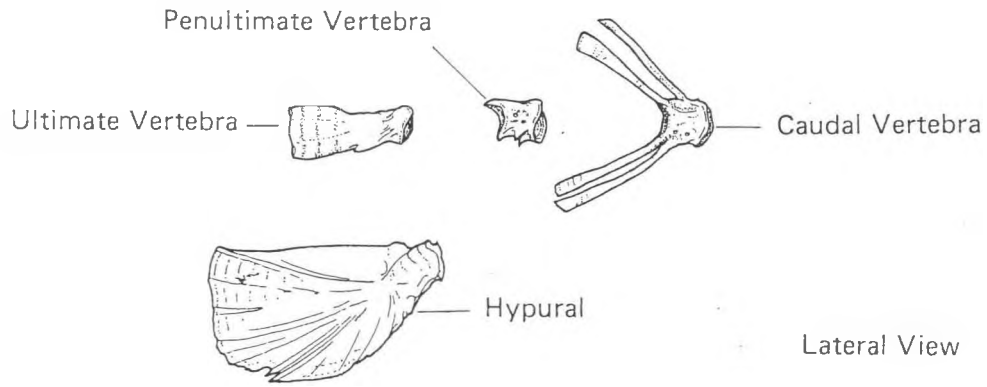


Precaudal Vertebra

GADIDAE *Gadus morhua*

CAUDAL SKELETON





KEY TO ELEMENT VIEW

L Lateral
M Mesial
A Anterior
P Posterior
D Dorsal
V Ventral