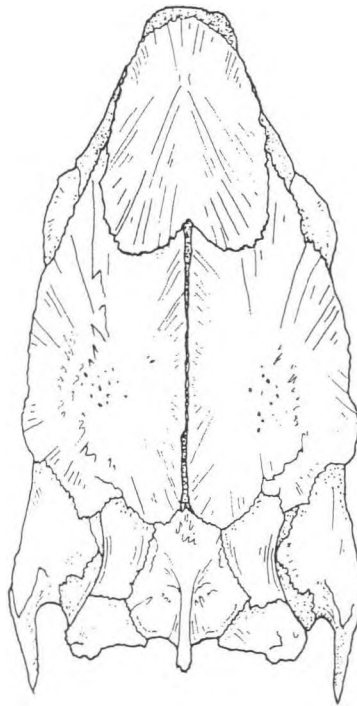
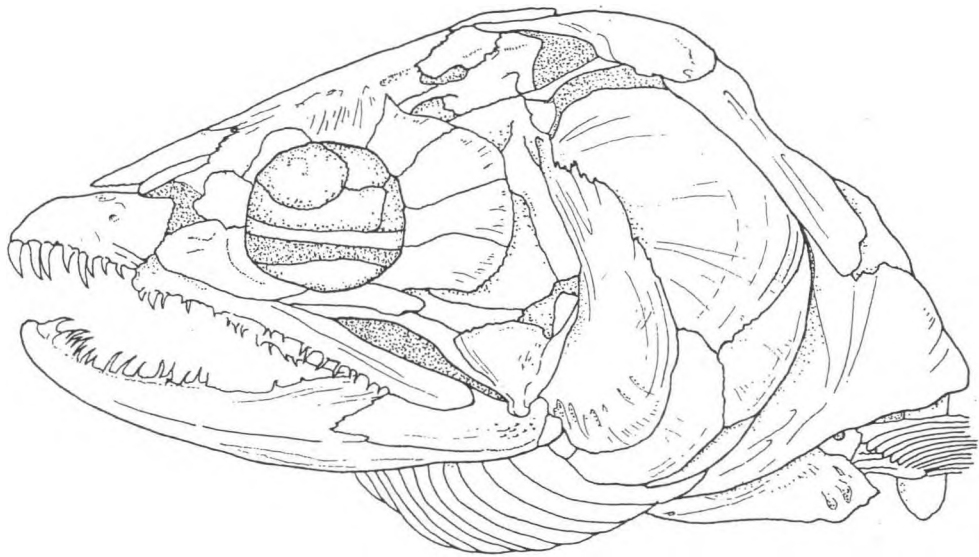


FAMILY SALMONIDAE

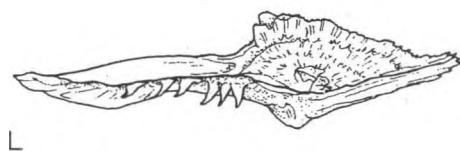


(after Gregory 1933)



SALMONIDAE *Oncorhynchus keta*

OLFACTORY REGION



L



D

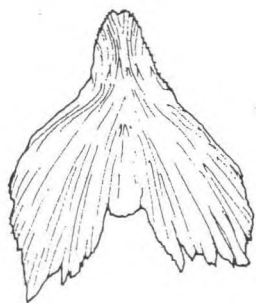
Vomer



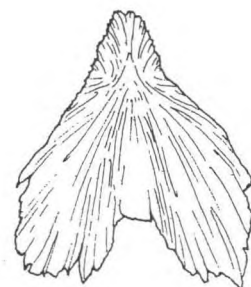
V



Prefrontal



D



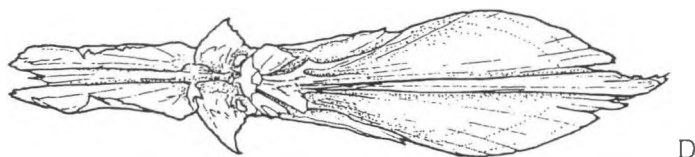
V

Supraethmoid

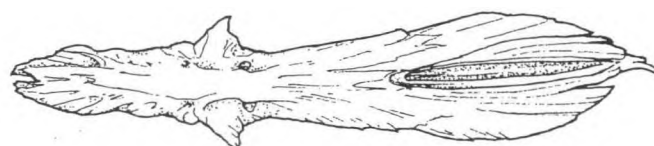
SALMONIDAE *Oncorhynchus keta*

ORBITAL REGION

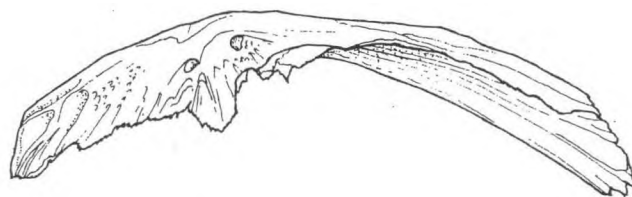
Parasphenoid



D



V



L

Alisphenoid



Orbitosphenoid

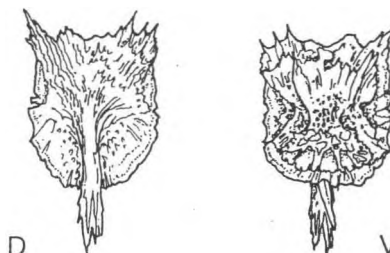


SALMONIDAE *Oncorhynchus keta*

OCCIPITAL REGION



Exoccipital



Supraoccipital

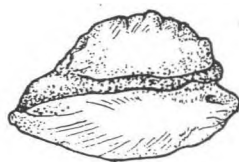
Atlas Vertebra



Basioccipital

OTIC REGION

Otoliths of some Marine Species of Salmonidae



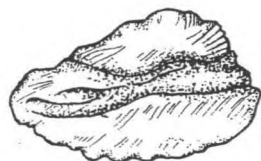
Oncorhynchus mykiss

2.3x



Salmo trutta

1.0x



Oncorhynchus gorbuscha

2.9x



Oncorhynchus keta

1.6x



Oncorhynchus nerka

1.6x

SALMONIDAE *Oncorhynchus keta*

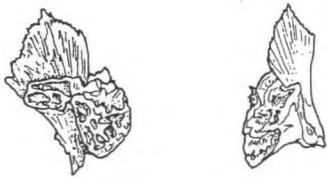
OTIC REGION



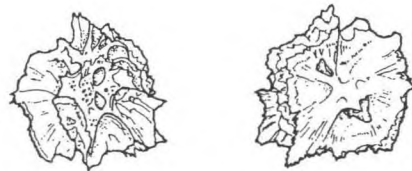
Opisthotic



Sphenotic



Epiotic



Prootic

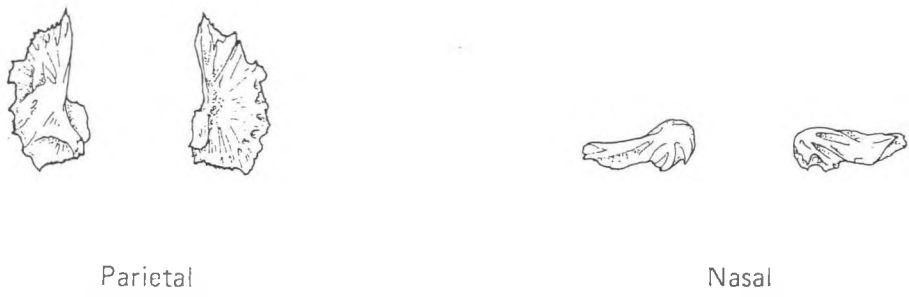
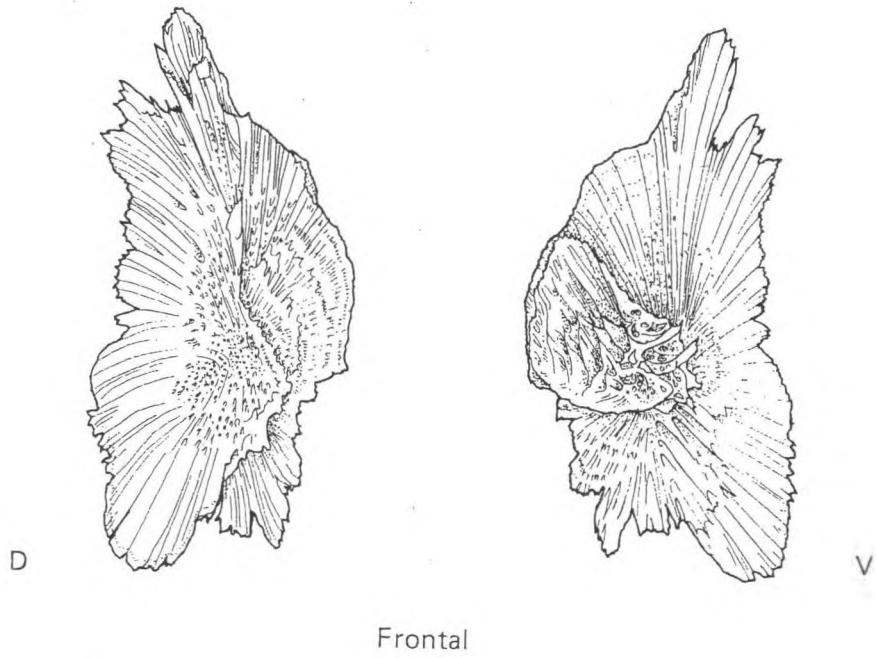


Pterotic



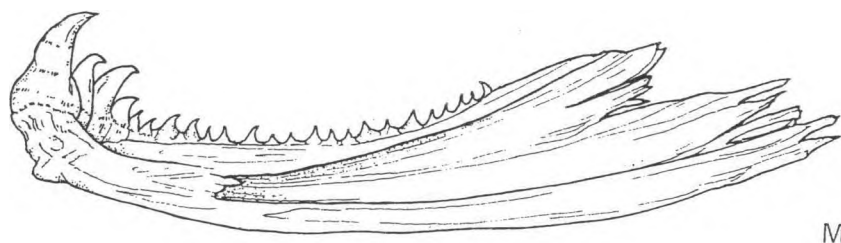
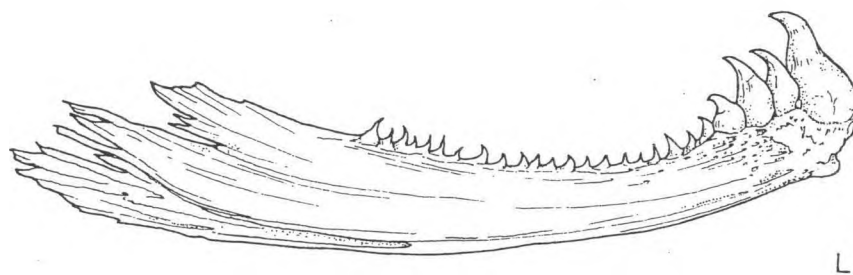
SALMONIDAE *Oncorhynchus keta*

INVESTING BONES

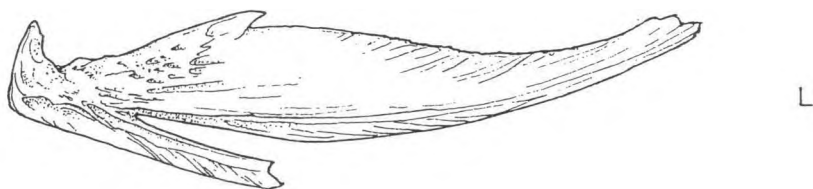


SALMONIDAE *Oncorhynchus keta*

LATERAL SKULL BONES



Dentary

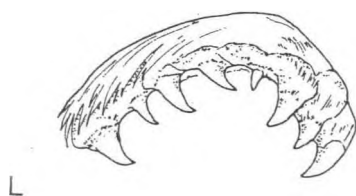


Angular

Retroarticular

SALMONIDAE *Oncorhynchus keta*

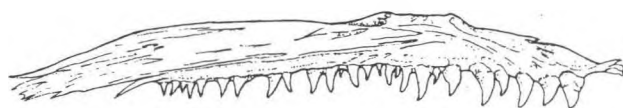
LATERAL SKULL BONES



Premaxilla



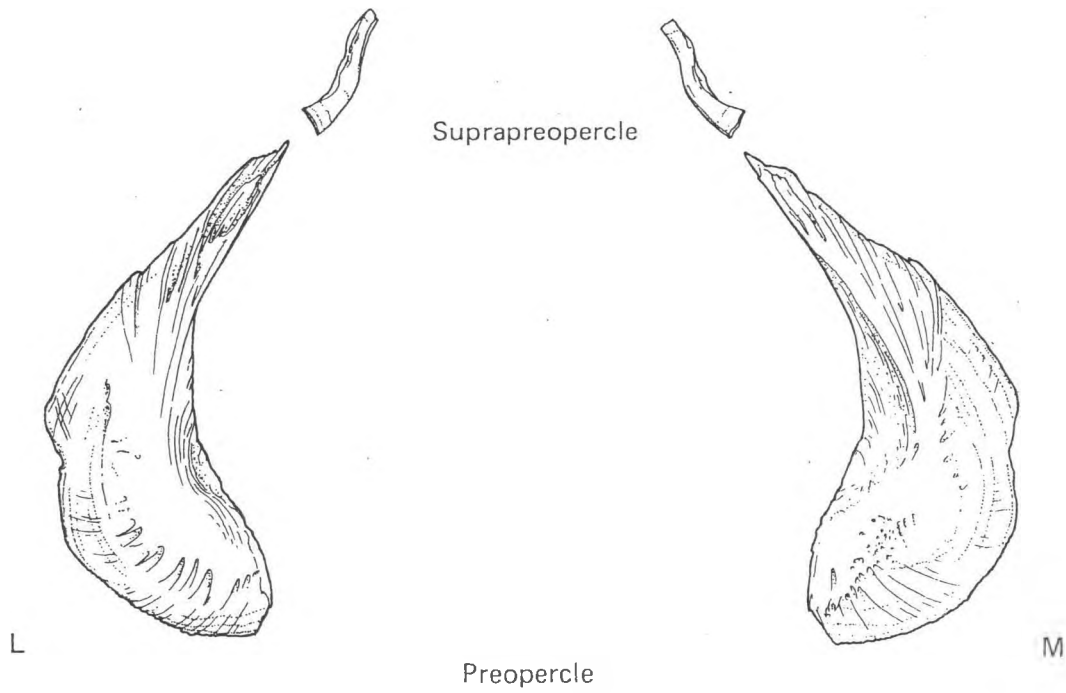
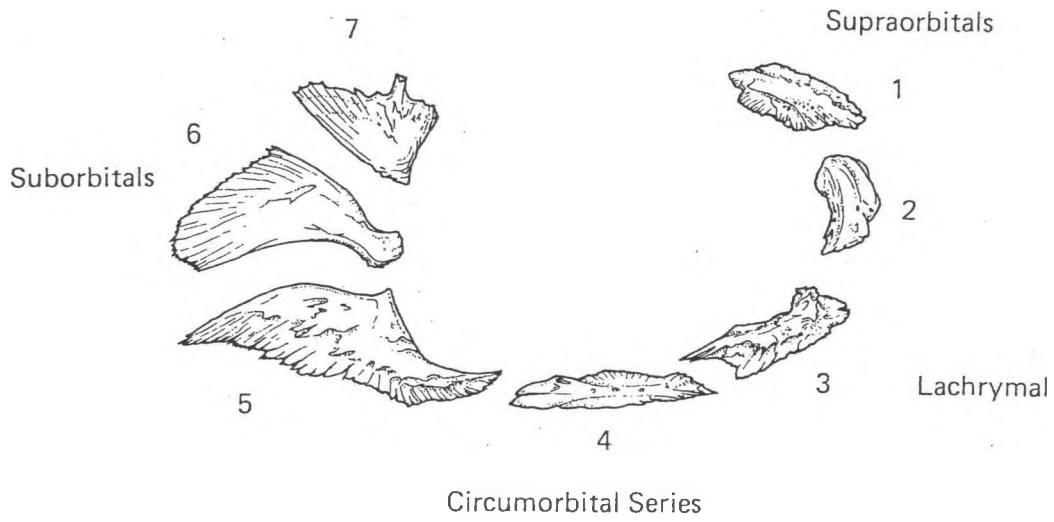
Supramaxilla



Maxilla

SALMONIDAE *Oncorhynchus keta*

LATERAL SKULL BONES



SALMONIDAE *Oncorhynchus keta*

OPERCULAR SERIES



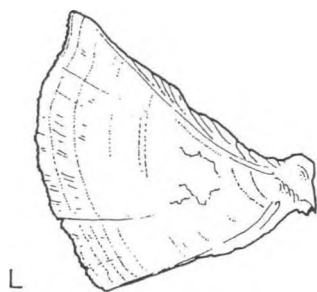
Branchiostegal Ray



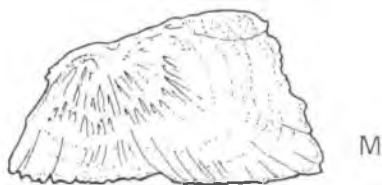
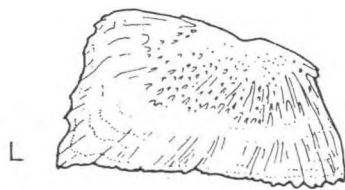
Opercle

SALMONIDAE *Oncorhynchus keta*

OPERCULAR SERIES



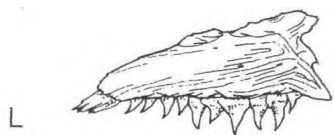
Subopercle



Interopercle

SALMONIDAE *Oncorhynchus keta*

MANDIBULAR ARCH



L

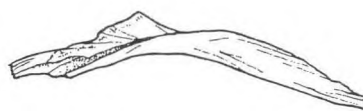


M

Palatine



L

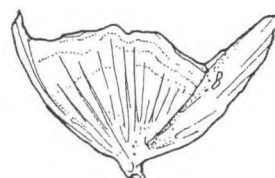


M

Ectopterygoid



L



M

Quadrate



L

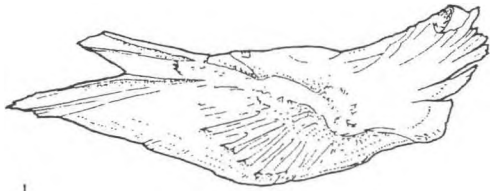


M

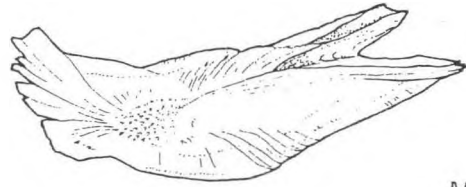
Metapterygoid

SALMONIDAE *Oncorhynchus keta*

MANDIBULAR ARCH



L



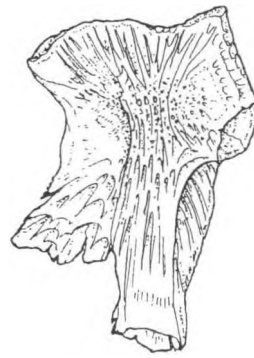
M

Mesopterygoid

HYOID ARCH



L

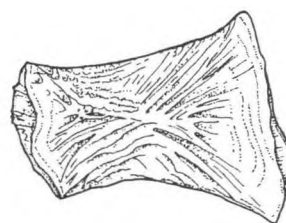
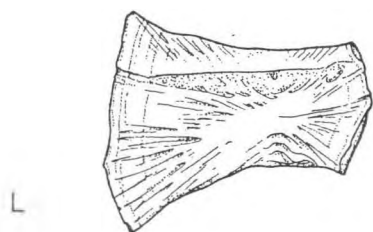


M

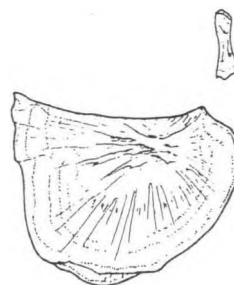
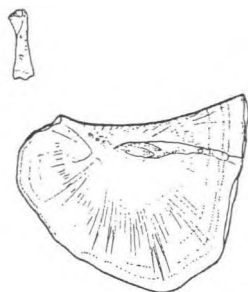
Hyomandibular

SALMONIDAE *Oncorhynchus keta*

HYOID ARCH



Ceratohyal



Interhyal

Epihyal



Symplectic

SALMONIDAE *Oncorhynchus keta*

HYOID ARCH



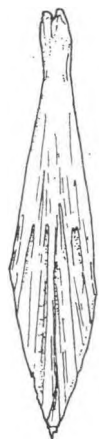
D



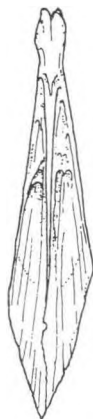
L

Lingual Plate

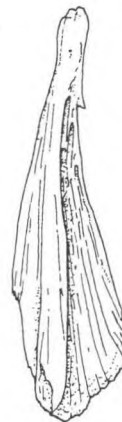
BRANCHIAL ARCH



D



V

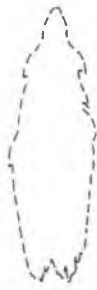


L

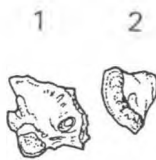
Urohyal

SALMONIDAE *Oncorhynchus keta*

HYOID ARCH



Basihyal with Lingual Plate



Hypohyal

BRANCHIAL ARCH

Basibranchial



Basibranchial Plate



Hypobranchial



Ceratobranchial



Pharyngobranchial



Pharyngeal Plate



Epibranchial

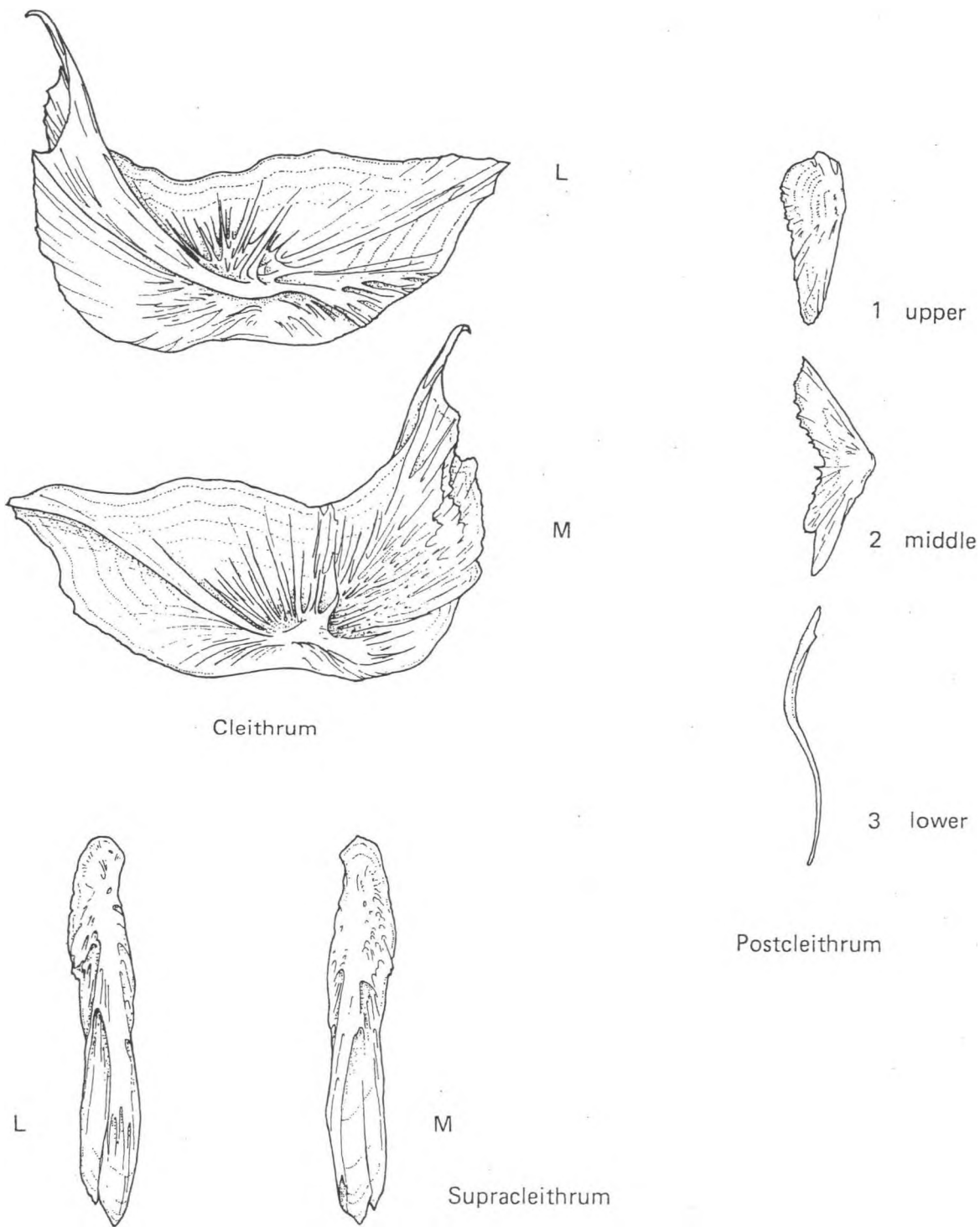


Pharyngeal Plate



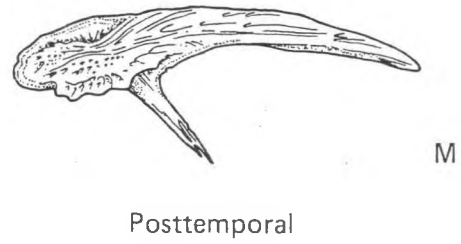
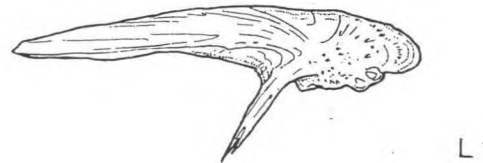
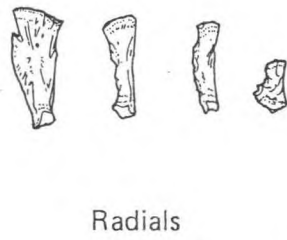
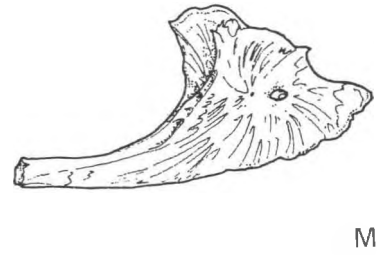
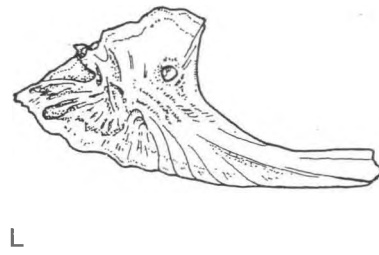
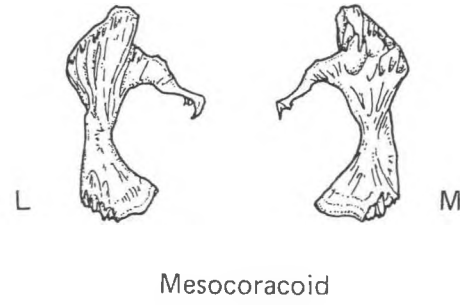
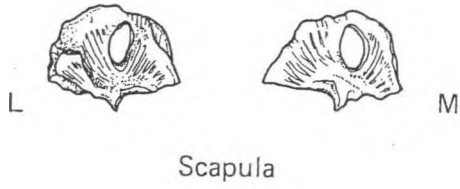
SALMONIDAE *Oncorhynchus keta*

PECTORAL GIRDLE



SALMONIDAE *Oncorhynchus keta*

PECTORAL GIRDLE



SALMONIDAE *Oncorhynchus keta*

PELVIC GIRDLE

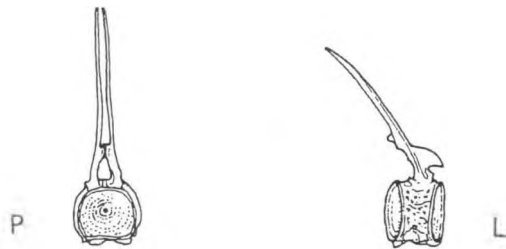


Basipterygium

VERTEBRAL COLUMN



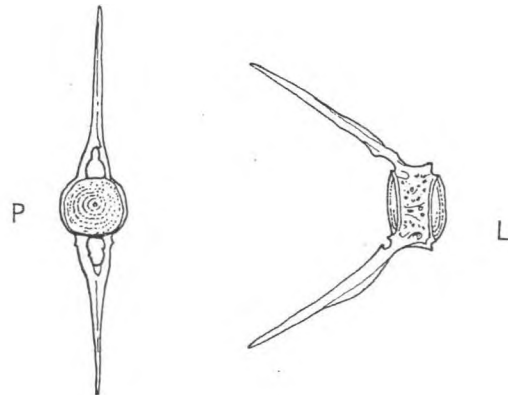
Thoracic Vertebra



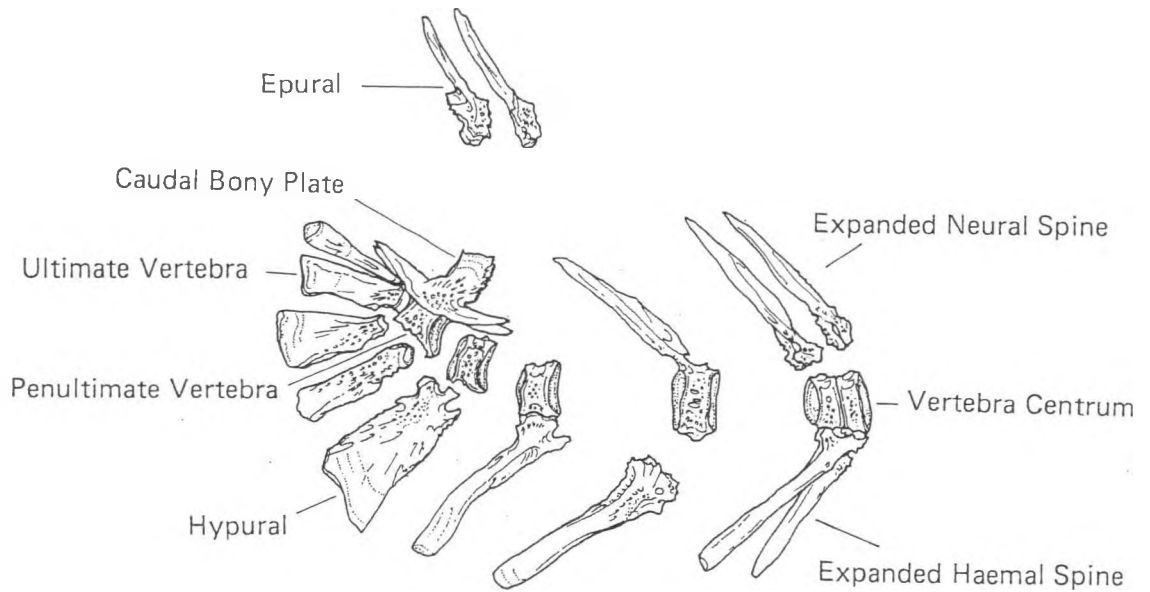
Precaudal Vertebra

SALMONIDAE *Oncorhynchus keta*

CAUDAL SKELETON



Caudal Vertebra



Lateral View

KEY TO ELEMENT VIEW

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