

Planches

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Explication des planches

Abréviations utilisées: G = Otolithe gauche

D = Otolithe droite

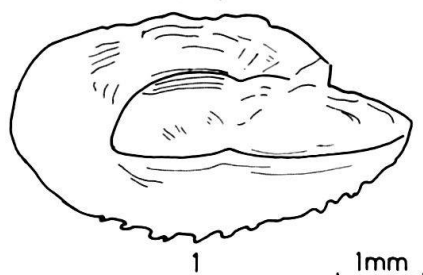
I = Face interne

E = Face externe

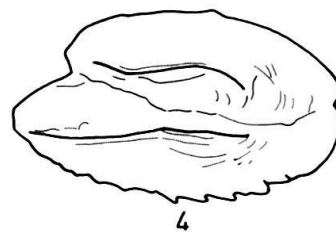
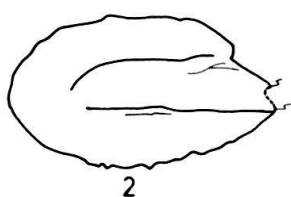
Tous les numéros mentionnés se réfèrent aux collections du Musée d'Histoire Naturelle de Bâle (Suisse).

Planche I

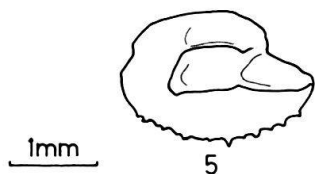
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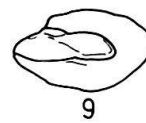
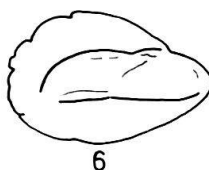
Anchoa hepseta (LINNAEUS, C., 1758)



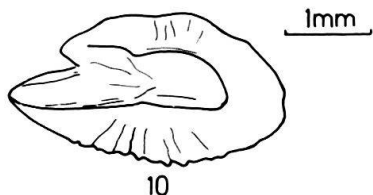
Anchoa sp. II



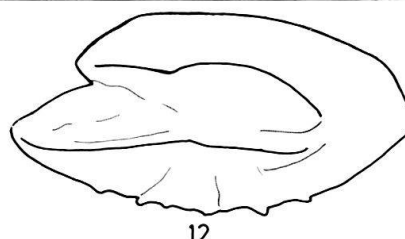
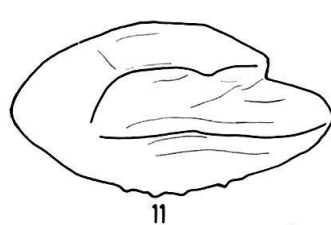
Anchoa mitchilli
(VALENCIENNES, A., 1848)



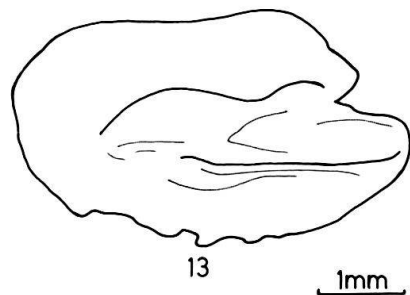
Anchoa sp. I



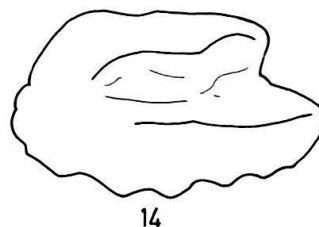
Cetengraulis edentulus
(CUVIER, G., 1829)



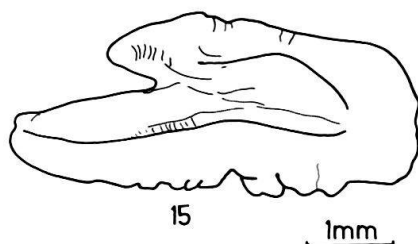
Cetengraulis sp.



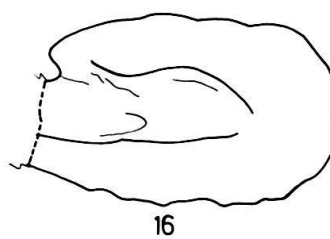
Ilisha africana (BLOCH, M. E., 1795)



Ilisha sp.



Ophistonema oglinum
(LE SUEUR, C. A., 1817)



Ophistonema aff. *oglinum* (LE SUEUR, C. A., 1817)

Planche II

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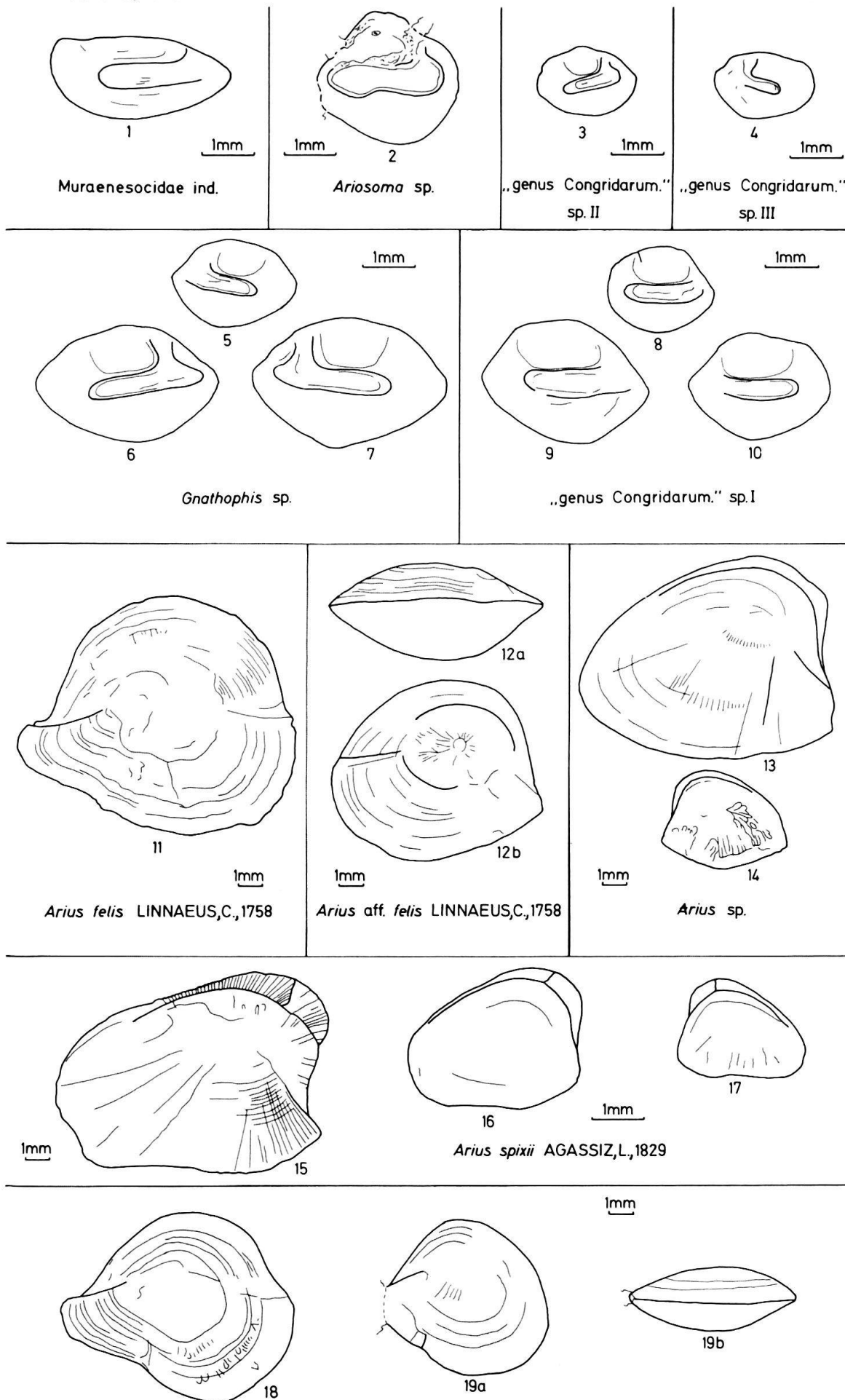


Planche III

Fig. 1-3	<i>Saurida</i> aff. <i>caribbaea</i> BREDER, 1927 719 1 G.I., Formation de Nariva, point 17, éch. K.R. 25953. (SA 1454) 2 D.I., Formation de Nariva, point 17, éch. K.R. 25953. (SA 1455) 3 D.I., Formation de Nariva, point 17, éch. K.R. 25953. (SA 1456)
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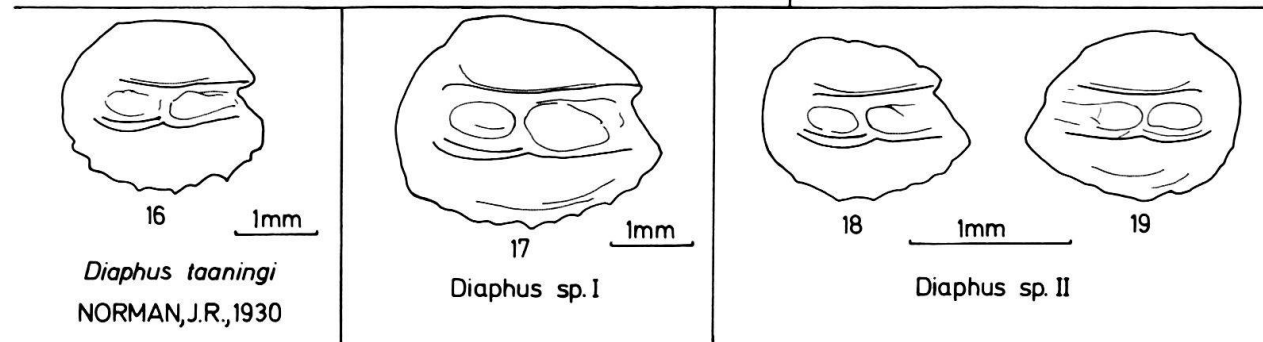
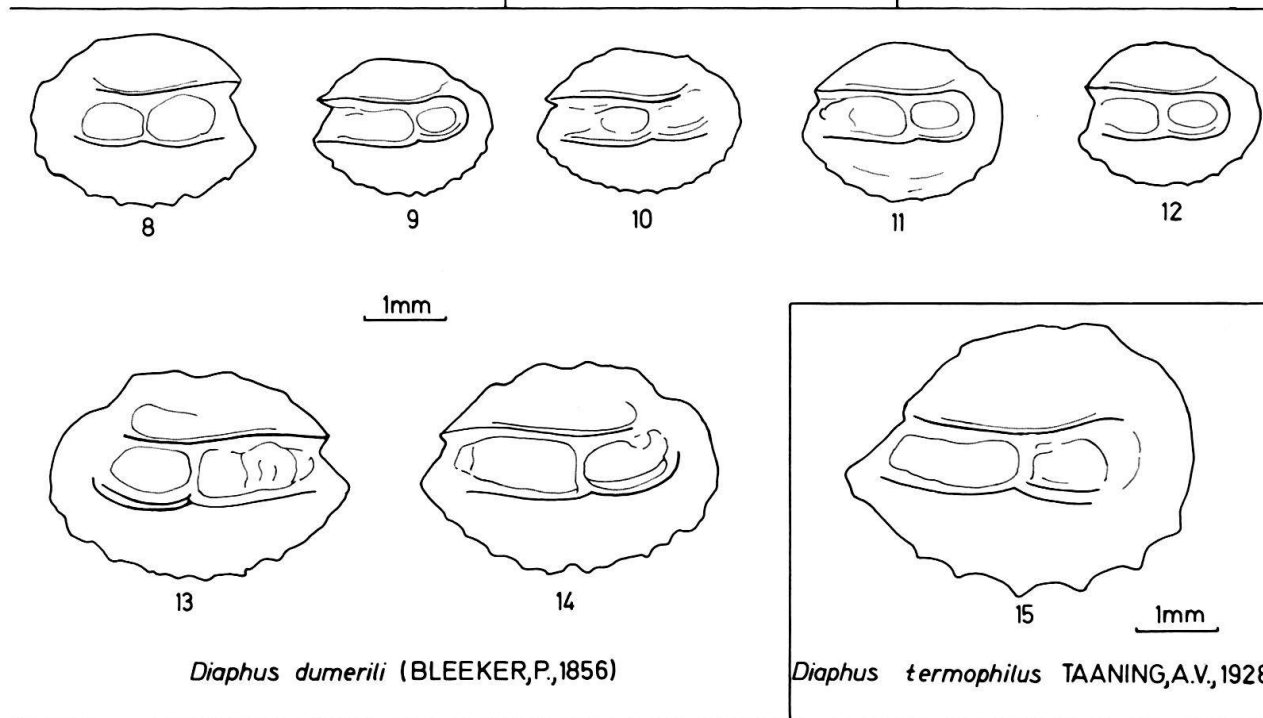
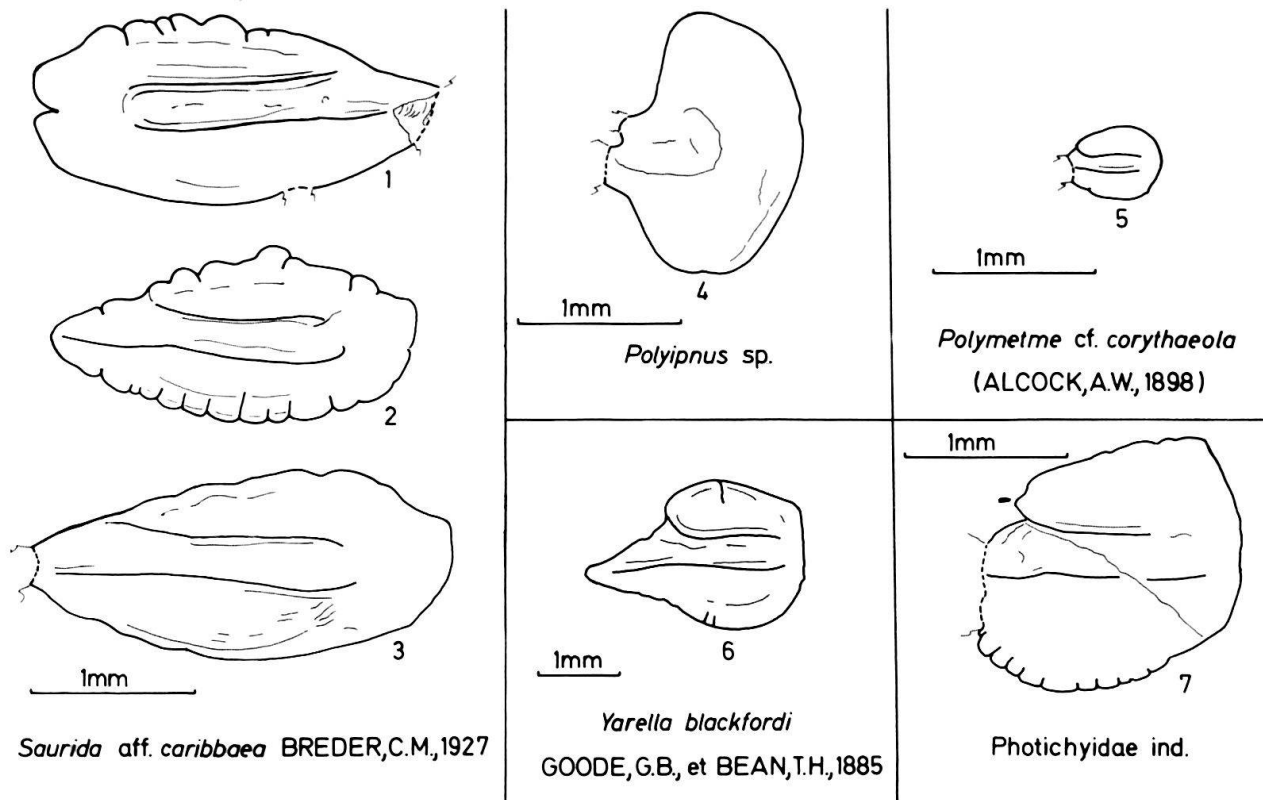
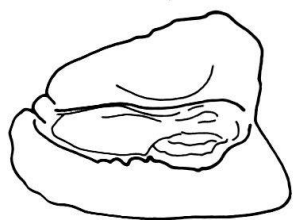


Planche IV

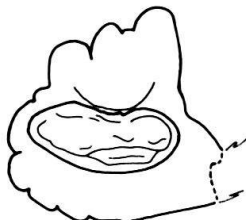
Fig. 1	<i>Porichthys notatus</i> GIRARD, 1854 actuel, au large du Vénézuéla. (coll. D. Nolf).	721
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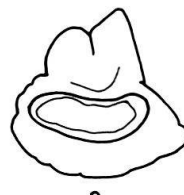
1

1mm

Porichthys notatus
GIRARD, C.F., 1859



2



3

Porichthys sp.



4

1mm



1mm

5

Perulibatrachus rossignoli
(ROUX, C., 1957)



6

1mm

„genus aff. *Perulibatrachus*.” sp.



8

1mm



7

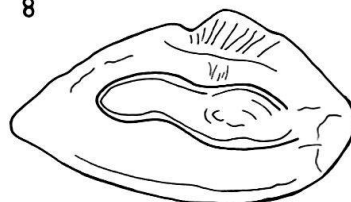
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Thalassophryne natterei
STEINDACHNER, F., 1876

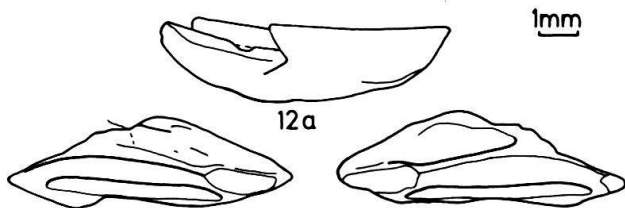


9

Thalassophryne sp.



10



11

12a



12b

Gadella maraldi (RISSO, A., 1810)



13a



13b

1mm

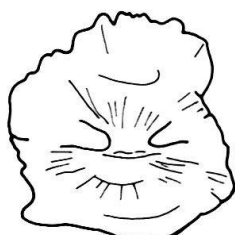
Gadella sp.



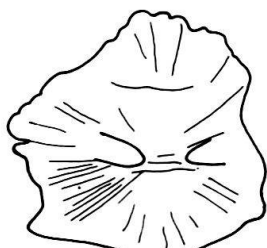
14

1mm

Antennariidae ind.



15



16

1mm



17

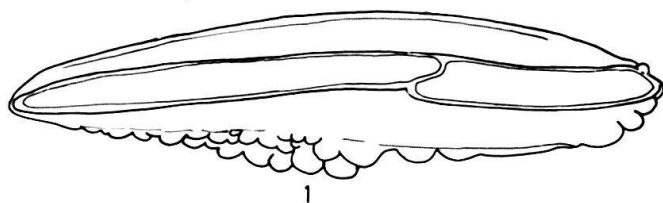
Breamaceros sp.



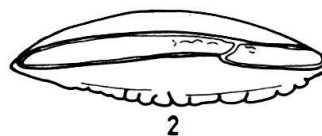
18

Planche V

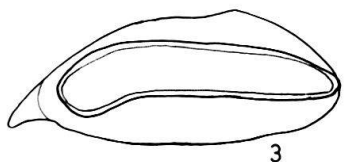
Fig. 1-2	<i>Brotula barbata</i> (SCHNEIDER, 1801) 1 G. I., actuel, au large du Zaïre. (coll. D. Nolf). 2 G. I., Formation de Nariva, point 17, éch. K. R. 25953. (SA 1480)	723
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Brotula barbata (SCHNEIDER, J.G., 1801)



1mm



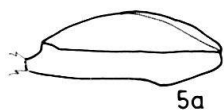
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Lepophidium prorates
(JORDAN, D.S., et BOLLMAN, C.H., 1889)



1mm

Lepophidium microlepis
GILBERT, C.H., 1890

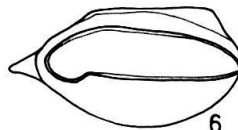


5a



5b

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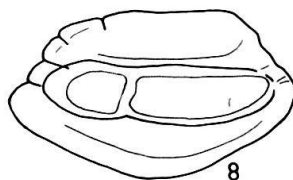


6



7

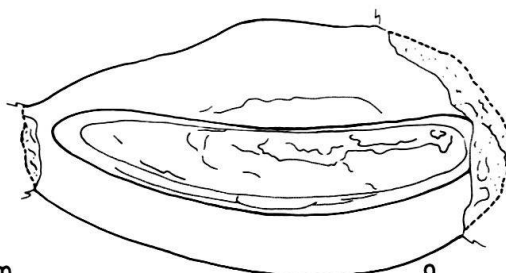
Lepophidium sp. I



8

1mm

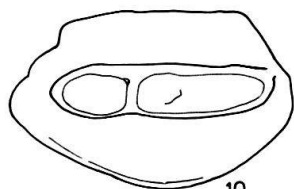
Neobythites malayanus WEBER, M., 1913



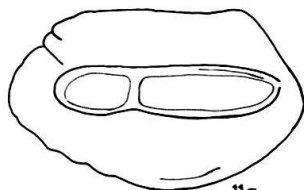
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9

Lepophidium sp. II



10

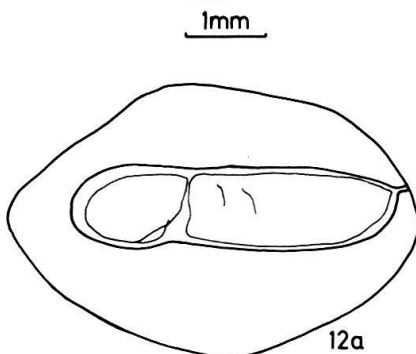


11a

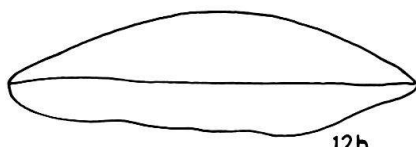


11b

Neobythites aff. *malayanus*

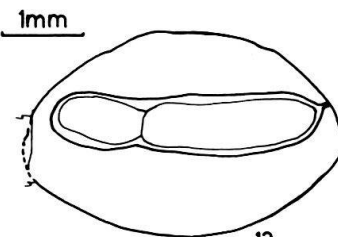


12a



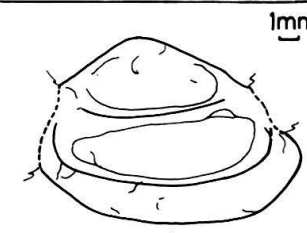
12b

Neobythites sp.



13

Neobythites fasciatus
(SMITH, H., et RADCLIFFE, L., 1913)

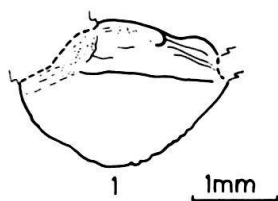


14

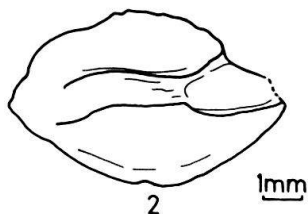
Ophiidiidae ind.

Planche VI

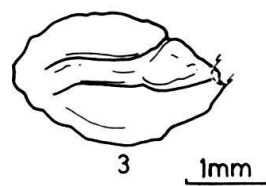
Fig. 1	? <i>Myripristis</i> sp.	725
	D.I., Formation de Brasso, point 28, éch. K. R. 6666. (SA 1489)	
Fig. 2	<i>Neanthias accraensis</i> NORMAN, 1831	726
	G.I., actuel, côtes du Zaïre. (coll. D. Nolf).	
Fig. 3	<i>Neanthias</i> sp.	726
	G.I., Formation de Brasso, point 20, éch. Cb. 1852. (SA 1490)	
Fig. 4-5	<i>Apogon</i> sp. I	726
	4 G.I., Formation de Brasso, point 10, éch. K. R. 9247. (SA 1491)	
	5 D.I., Formation de Nariva, point 17, éch. K. R. 25953. (SA 1492)	
Fig. 6-8	<i>Apogon</i> sp. II	726
	6 D.I., Formation de Brasso, point 28, éch. K. R. 6666. (SA 1493)	
	7 D.I., Formation de Brasso, point 28, éch. K. R. 6666. (SA 1494)	
	8 D.I., Formation de Brasso, point 28, éch. K. R. 6666. (SA 1495)	
Fig. 9	<i>Epigonus trewavasae</i> POLL, 1954	727
	G.I., actuel, au large de Casablanca. (coll. D. Nolf).	
Fig. 10	<i>Epigonus</i> sp.	727
	G.I., Formation de Nariva, point 17, éch. K. R. 25953. (SA 1496)	
Fig. 11	Carangidae ind.	727
	D.I., Formation de Nariva, point 17, éch. K. R. 25953. (SA 1497)	
Fig. 12	«genus Sparidarum» sp. I	728
	G.I., Formation de Brasso, point 27, éch. K. R. 6666. (SA 1498)	
Fig. 13	«genus Sparidarum» sp. II	728
	G.I., Formation de Brasso, point 8, éch. K. R. 7546. (SA 1499)	
Fig. 14	Mullidae ind.	735
	G.I., Formation de Brasso, point 8, éch. K. R. 7546. (SA 1500)	
Fig. 15-16	<i>Pomadasys</i> sp.	728
	15 G.I., Formation de Brasso, point 20, éch. Cb. 1848. (SA 1501)	
	16 D.I., Formation de Brasso, point 11, éch. Cb. 1855. (SA 1502)	
Fig. 17-18	<i>Haemulon</i> sp.	727
	17 D.I., Formation de Manzanilla, point 30, éch. 1633. (SA 1503)	
	18 D.I., Formation de Manzanilla, point 30, éch. 1633. (SA 1504)	



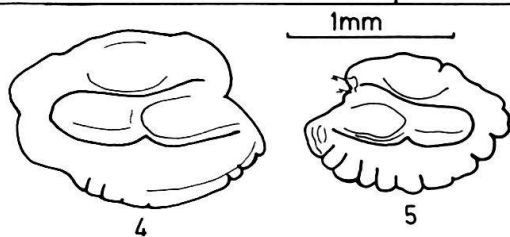
?*Myripristis* sp.



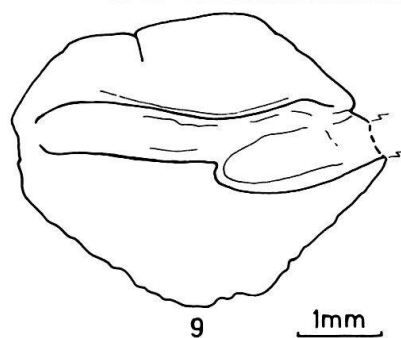
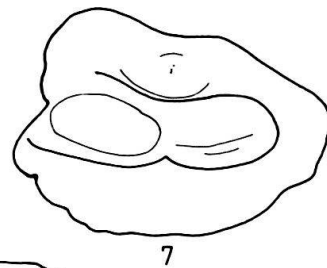
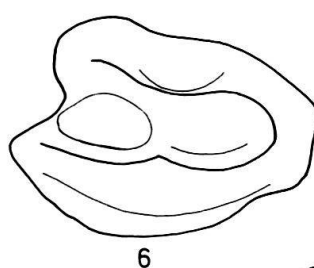
Neanthias accraensis
NORMAN, J.R., 1931



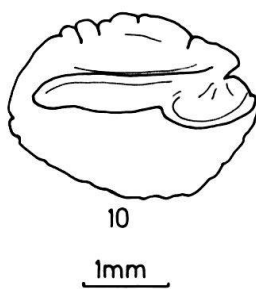
Neanthias sp.



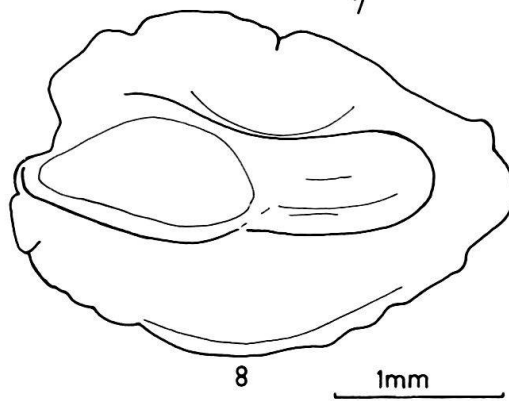
Apogon sp. I



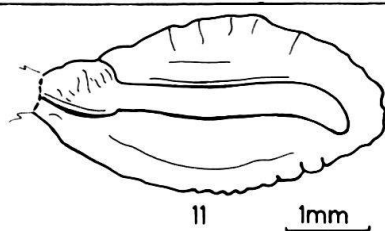
Epigonus trewavasae
POLL, M., 1959



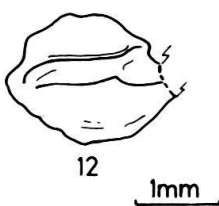
Epigonus sp.



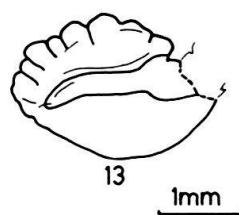
Apogon sp. II



Carangidae ind.



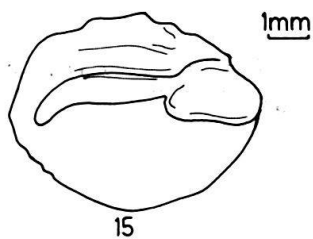
„genus Sparidarum.”
sp. I



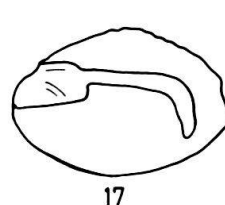
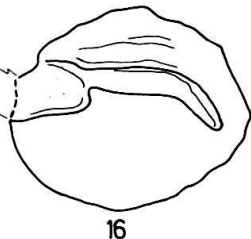
„genus Sparidarum.” sp. II



Mullidae ind.



Pomadasys sp.



Haemulon sp.

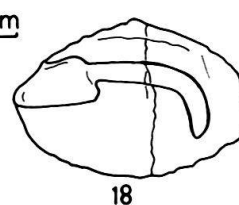
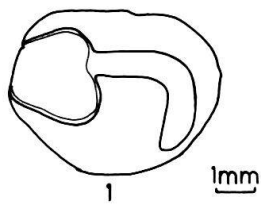
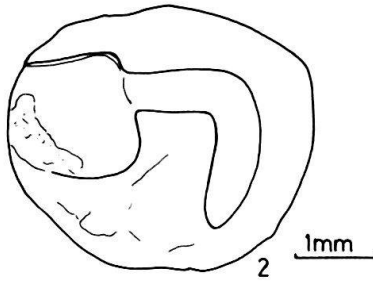


Planche VII

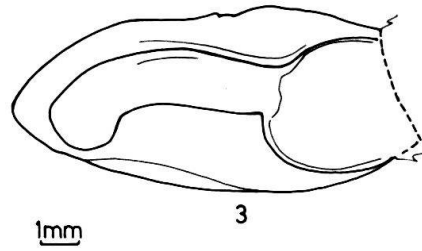
Fig. 1	<i>Ctenosciaena gracilicirrhus</i> METZELAAR, 1919 D. I., actuel, côtes du Brésil. (coll. D. Nolf).	729
Fig. 2	<i>Ctenosciaena aff. gracilicirrhus</i> METZELAAR, 1919 D. I., Formation de Nariva, point 17, éch. K. R. 25953. (SA 1505)	729
Fig. 3	<i>Cynoscion</i> sp. G. I., Formation de Manzanilla, point 25, éch. Cb. 1633. (SA 1506)	729
Fig. 4	<i>Isopisthus</i> sp. G. I., Equivalent de la Formation de Springvale, point 1, éch. à 603 ft. (SA 1507)	730
Fig. 5	<i>Cynoscion arenarius</i> GINSBURG, 1929 G. I., actuel, Golfe du Mexique. (coll. D. Nolf).	729
Fig. 6	<i>Isopisthus parvipinnis</i> CUVIER, 1830 G. I., actuel, côtes du Brésil. (coll. D. Nolf).	730
Fig. 7	<i>Larimus fasciatus</i> HOLBROOK, 1855 G. I., actuel, côtes de la Floride. (coll. J. E. Fitch).	731
Fig. 8-10	<i>Larimus breviceps</i> CUVIER, 1830 8 G. I., actuel, côtes du Vénézuéla. (coll. D. Nolf). 9 G. I., Formation de Manzanilla, point 22, éch. S. M. 1399. (SA 1508) 10 D. I., Formation de Tamana, ou base de la Formation de Manzanilla, point 3, éch. Cb. 2076. (SA 1509)	730
Fig. 11	<i>Larimus</i> sp. D. I., Formation de Manzanilla, point 14, éch. K. 12301. (SA 1510)	731
Fig. 12	<i>Macrodon ancylodon</i> (SCHNEIDER, 1801) G. I., actuel, côtes de l'Argentine. (coll. D. Nolf).	731
Fig. 13	<i>Macrodon</i> sp. G. I., Formation de Manzanilla, point 24, éch. K. 9833. (SA 1511)	731



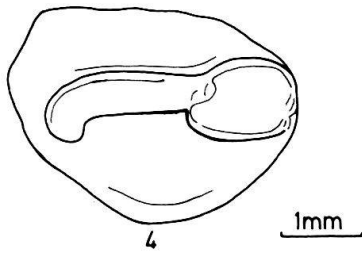
Ctenosciaena gracilicirrhus
METZELAAR, J., 1919



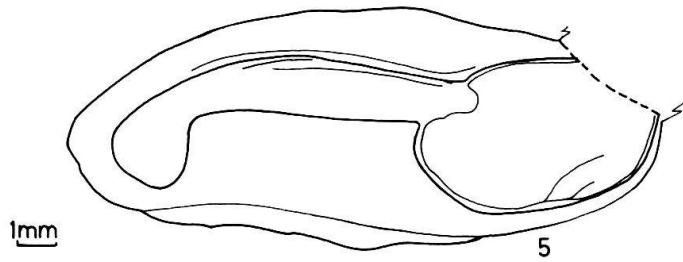
Ctenosciaena aff. gracilicirrhus
METZELAAR, J., 1919



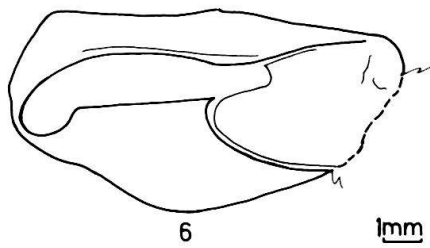
Cynoscion sp.



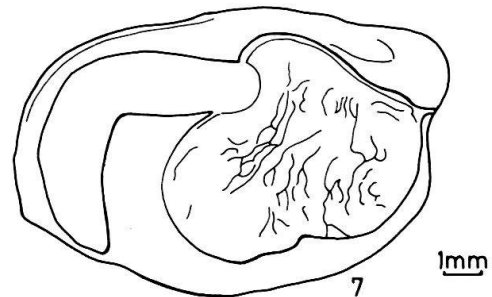
Isopisthus sp.



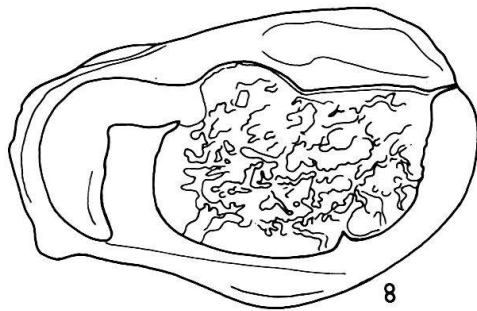
Cynoscion arenarius GINSBURG, I., 1929



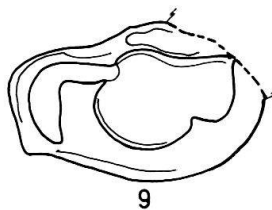
Isopisthus parvipinnis (CUVIER, G., 1830)



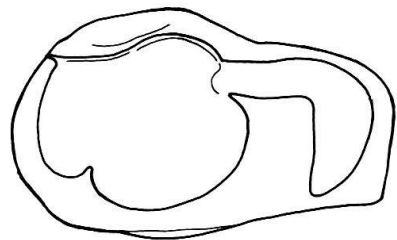
Larimus fasciatus HOLBROOK, J. E., 1855



Larimus breviceps CUVIER, G., 1830

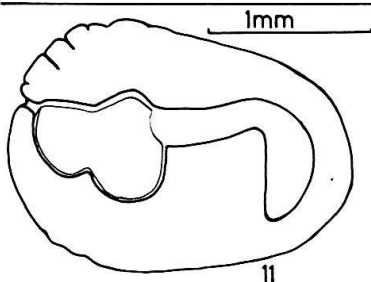


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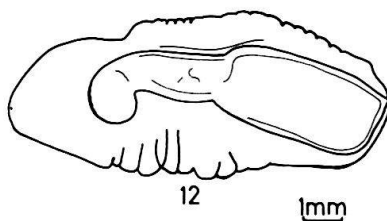


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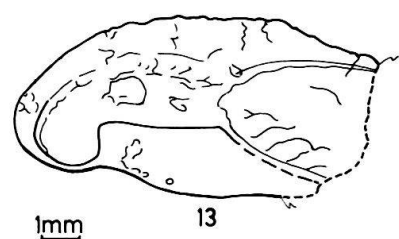
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Larimus sp.



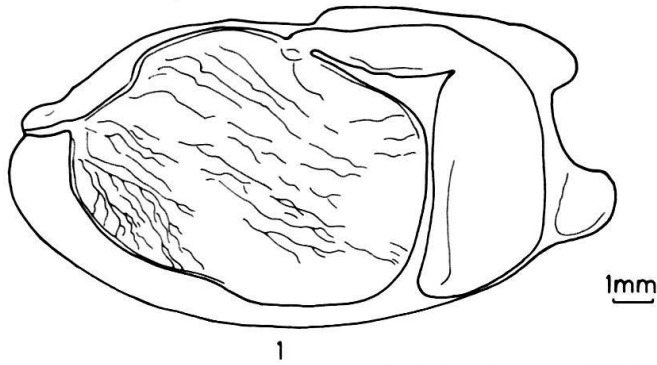
Macrodon ancylodon
(SCHNEIDER, J. G., 1801)



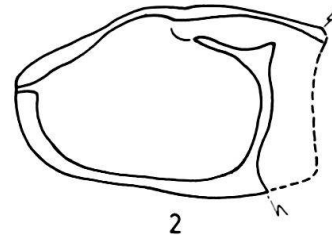
Macrodon sp.

Planche VIII

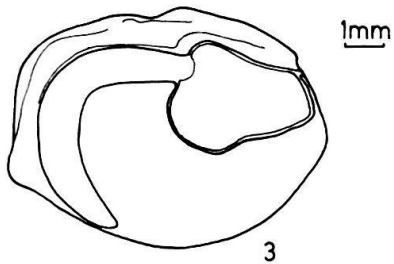
Fig. 1-2	<i>Nebris microps</i> CUVIER, 1838 1 actuel, côtes du Vénézuéla. (coll. D. Nolf). 2 Formation de Tamana, ou base de la Formation de Manzanilla, point 3, éch. Cb. 2076. (SA 1512)	732
Fig. 3	<i>Pachypops fourcroi</i> (LACEPEDE, 1802) actuel, Brésil. (coll. D. Nolf).	732
Fig. 4-5	«genus aff. <i>Pachypops</i> » sp. 4 G.I., Formation de Manzanilla, point 22, éch. S. M. 1399. (SA 1513) 5 G.I., Formation de Manzanilla, point 25, éch. Cb. 1633. (SA 1514)	732
Fig. 6	<i>Plagioscion squamosissimus</i> HECKEL, 1840 D.I., actuel, Guyana, (coll. British Museum N.H.).	733
Fig. 7	<i>Plagioscion</i> sp. D.I., Formation de Gros Morne, point 19, éch. K. 12059. (SA 1515)	733
Fig. 8	<i>Polyclemus brasiliensis</i> (STEINDACHNER, 1875) D.I., actuel, côtes du Brésil. (coll. British Museum N.H.).	733
Fig. 9	<i>Polyclemus</i> sp. D.I., Formation de Manzanilla, point 25, éch. Cb. 1633. (SA 1516)	733
Fig. 10	<i>Sigmurus vermicularis</i> (GUNTHER, 1868) G.I., actuel, Pacifique, au large de Panama. (coll. D. Nolf)	734
Fig. 11-13	<i>Sigmurus</i> sp. 11 G.I., Formation de Tamana, ou base de la Formation de Manzanilla, point 3, éch. Cb. 2076. (SA 1517) 12 G.I., Formation de Tamana, ou base de la Formation de Manzanilla, point 3, éch. Cb. 2076. (SA 1518) 13 D.I., Formation de Manzanilla, point 25, éch. Cb. 1633. (SA 1519)	733



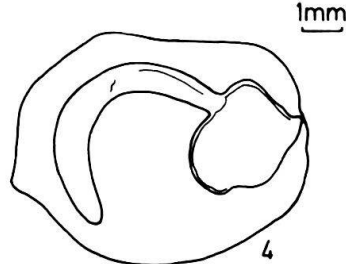
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Nebris microps CUVIER, G., 1830



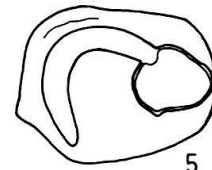
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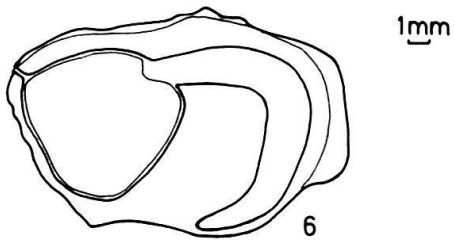
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Pachypops fourcroi
(LACEPEDE, B., 1802)



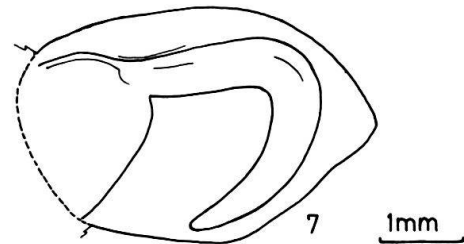
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„genus aff. *Pachypops*” sp.



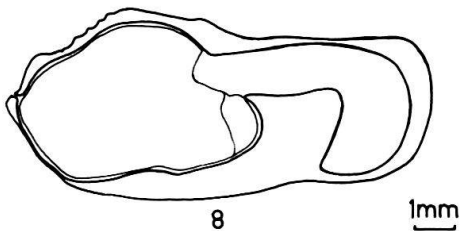
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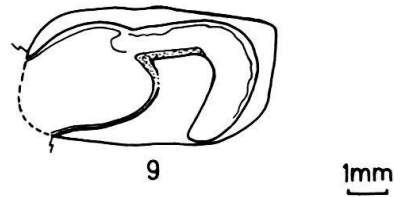
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Plagioscion squamosissimus
HECKEL, J.J., 1840



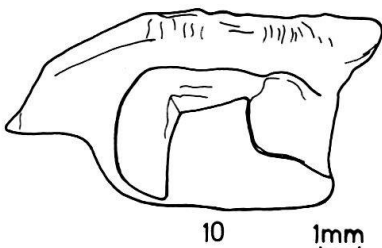
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Plagioscion sp.



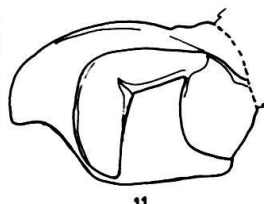
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Polyclemus brasiliensis
(STEINDACHNER, F., 1875)



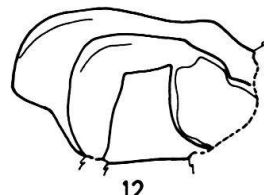
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Polyclemus sp.



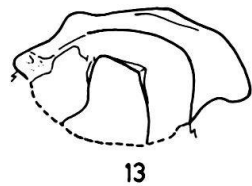
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Sigmurus vermicularis
(GÜNTHER, A., 1868)



11



12

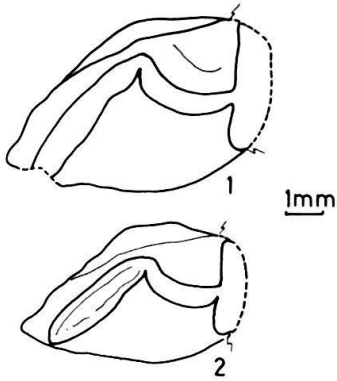


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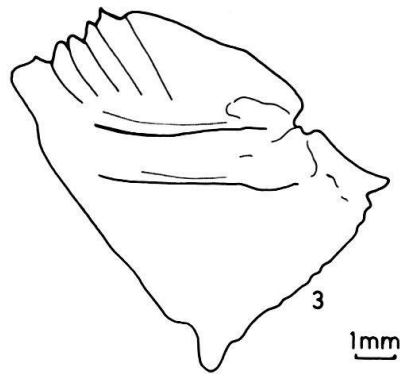
Sigmurus sp.

Planche IX

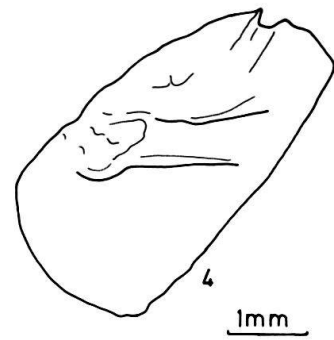
Fig. 1-2	«genus Sciaenidarum» sp.	734
	1 G.I., Formation de Manzanilla, point 25, éch. Cb. 1633. (SA 1520)	
	2 G.I., Formation de Manzanilla, point 25, éch. Cb. 1633. (SA 1521)	
Fig. 3	<i>Bathyclupea hoskynii</i> ALCOCK, 1891	735
	G.I., actuel, Golfe d'Aden. (coll. D. Nolf).	
Fig. 4	<i>Bathyclupea</i> sp.	735
	D.I., Formation de Nariva, point 17, éch. K. R. 25953. (SA 1522)	
Fig. 5	«genus Percoideorum» sp.	736
	D.I., Formation de Brasso, point 11, éch. Cb. 1855. (SA 1523)	
Fig. 6-7	Gobiidae	737
	6 G.I., Formation de Brasso, point 8, éch. K. R. 7546. (SA 1524)	
	7 G.I., Formation de Nariva, point 17, éch. K. R. 25956. (SA 1525)	
Fig. 8	<i>Opistognathus aurifrons</i> JORDAN & THOMPSON, 1905	736
	G.I., actuel, au large de Puerto Rico. (coll. J. E. Fitch).	
Fig. 9-11	<i>Lonchistium</i> sp.	736
	9 G.I., Formation de Brasso, point 18, éch. K. R. 6666. (SA 1526)	
	10 D.I., Formation de Brasso, point 18, éch. K. R. 6666. (SA 1527)	
	11 D.I., Formation de Brasso, point 23, éch. Cb. 1875. (SA 1528)	
Fig. 12	<i>Citharichthys</i> sp.	737
	D.I., Formation de Morne l'Enfer, point 21, éch. K. 12013. (SA 1529)	
Fig. 13	<i>Citharichthys stygmaeus</i> JORDAN & GILBERT, 1882	738
	D.I., actuel, côtes de la Californie. (coll. D. Nolf).	
Fig. 14	«genus Pleuronectiformorum» sp. I	738
	D.I., Formation de Nariva, point 28, éch. K. R. 6666. (SA 1530)	
Fig. 15	«genus Pleuronectiformorum» sp. II	738
	D.I., Formation de Springvale, point 18, éch. K. R. 11862. (SA 1531)	
Fig. 16	«genus Soleidarum» sp.	738
	16a G.I., Formation de Brasso, point 20, éch. Cb. 1848. (SA 1532)	
	16b G., ibidem, profil en vue ventrale.	
Fig. 17	<i>Symphurus</i> sp.	739
	G.I., Formation de Manzanilla, point 17, éch. K. 18054. (SA 1533)	
Fig. 18-19	<i>Symphurus nigrescens</i> RAFINESQUE, 1810	739
	18 G.I., actuel, au large de Casablanca. (coll. D. Nolf).	
	19 D.I., actuel, au large de Casablanca. (coll. D. Nolf).	



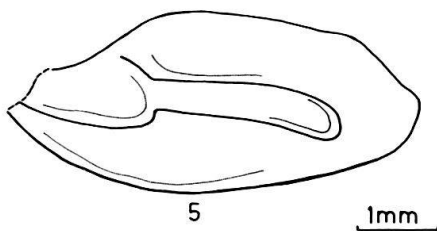
„genus Sciaenidarum.” sp.



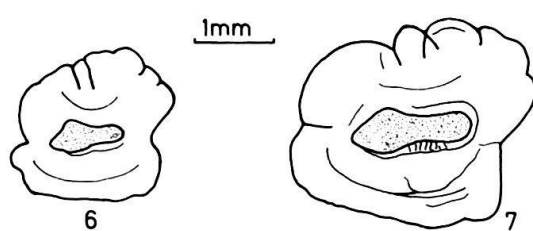
Bathyclupea hoskynii ALCOCK, A.W., 1891



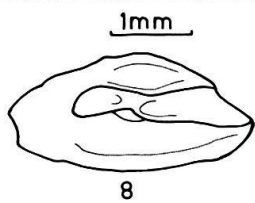
Bathyclupea sp.



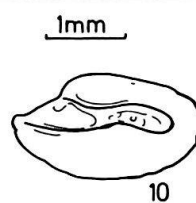
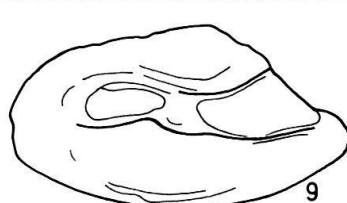
„genus Percoideorum.” sp.



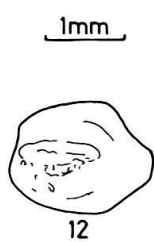
Gobiidae



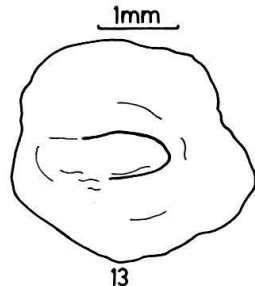
Opistognathus aurifrons
JORDAN, D.S., et THOMPSON,
J.C., 1905



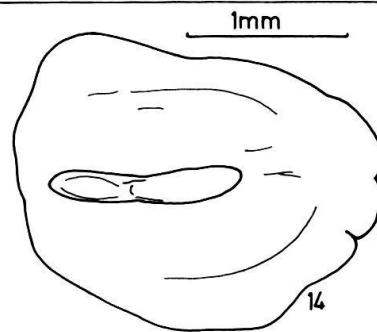
Lonchistium sp.



Citharichthys sp.



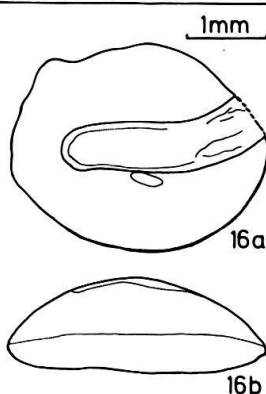
Citharichthys stygmaeus
JORDAN, D.S., et GILBERT,
C.H., 1882



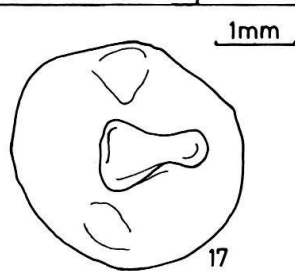
„genus Pleuronectiformorum.” sp. I



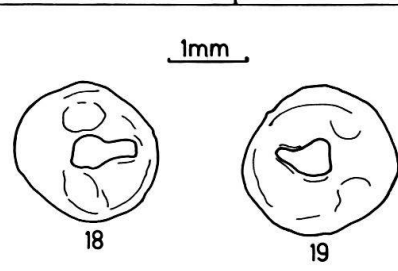
„genus Pleuronecti-
formorum.” sp. II



„genus Soleidarum.” sp.



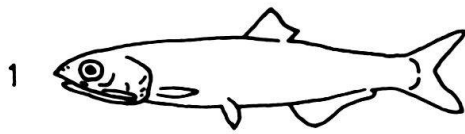
Symphurus sp.



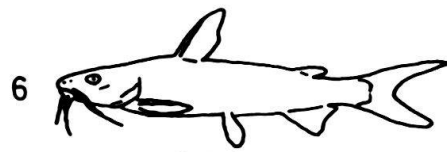
Symphurus nigrescens RAFINESQUE, C., 1810

Planches X-XII

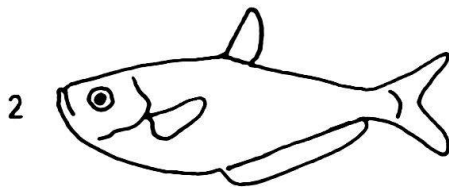
Aspect général des familles de Téléostéens (telles que déterminées d'après leurs otolithes) du Néogène de Trinidad. Dessins d'après GREENWOOD, ROSEN, WEITZMAN & MYERS (1966).



Engraulidae



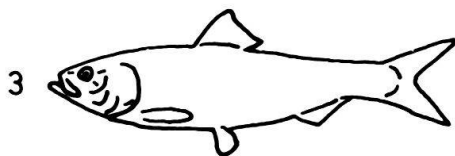
Ariidae



Perigasteridae



Sternopychidae



Clupeidae



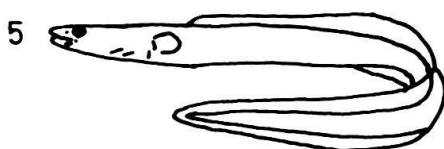
Photichthyidae



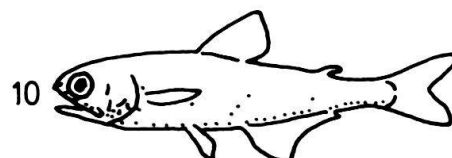
Muraenesocidae



Synodontidae

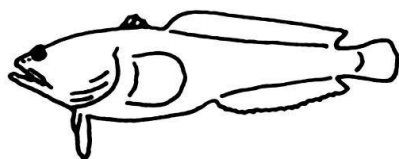


Congridae



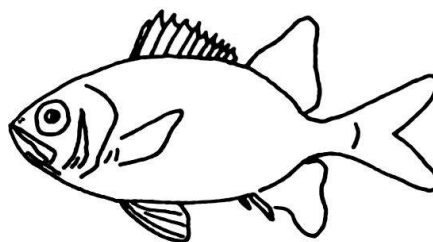
Myctophidae

1



Batrachoididae

6



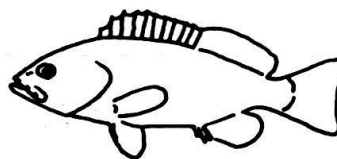
Myripristidae

2



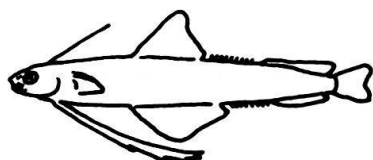
Antennariidae

7



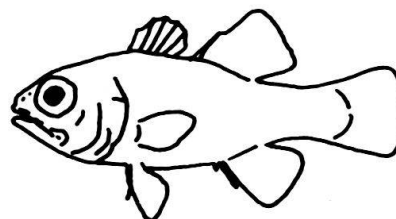
Serranidae

3



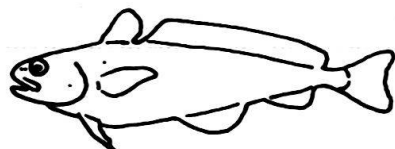
Bregmacerotidae

8



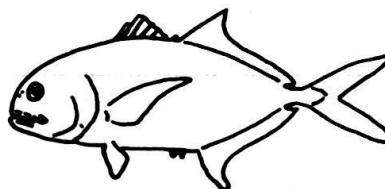
Apogonidae

4



Eretmophoridae

9



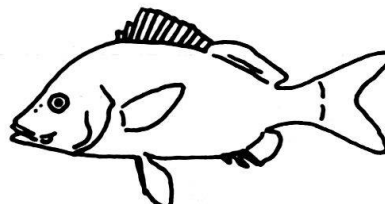
Carangidae

5



Ophidiidae

10



Pomadasyidae

