EXPLANATION OF THE PLATES

All specimens are deposited in the collections of the "Institut royal des Sciences naturelles de Belgique, Bruxelles" (IRSNB), unless otherwise specified. The following abbreviations are used in the text:
A = anterior view, E = external face, I = inner face, L = left otolith, P = posterior view, R = right otolith, V = ventral view. The abbreviations F and A in the right corner of each compartment of the plates indicate if the figured specimens in that compartment are fossils (= F) or belong to Recent species (A from "actual").

PLATE 1

Fig. 1 : "genus Osteoglossidarum" *rhomboidalis* (STINTON, 1977)
1a = R.I.; 1b = R.A.; 1c = R.V.; Mons-en-Pévèle Sand Member, Ronse. (IRSNB P. 5149)

Fig. 2 : *Heterotis niloticus* HEMPRICH & EHRENBERG, 1828
R.I.; Recent, Nile. (Coll. FROST)

Fig. 3 : *Arapaima gigas* (CUVIER, 1817)
3a = L.P.; 3b = L.I.; Recent, Amazone. (Coll. FITCH)

Fig. 4 : *Osteoglossum bicirrhosum* AGASSIZ, 1829
R.I.; Recent, freshwater, Brasil. (Coll. FITCH)

Fig. 5 : *Albula incurvata* STINTON, 1975
R.I.; Egem Sand Member, Egem, sandpit Ampe. (IRSNB P. 5150)

Fig. 6 : *Pterothrissus protensus* STINTON, 1975
R.I.; Egem Sand Member, sandpit Ampe. (IRSNB P. 5151)

Fig. 7-10 : *Pterothrissus angulatus* (STINTON, 1966)
7-9 = L.I.; 10 = R.I.; Egem Sand Member, Egem, sandpit Ampe. (IRSNB P. 5152; P. 5153; P. 5154; P. 5155).

Fig. 11 : *Muraenesox cymbium* STINTON, 1966
11a = L.V.; 11b = L.I.; Egem Sand Member, Egem, sandpit Ampe. (IRSNB P. 5156).

Fig. 12-14 : "genus Heterenchelyidarum" *circularis* (SHEPHERD, 1916)
12a = L.I.; 12b = L.V.; Roubaix Clay Member, Bailleul. (IRSNB P. 5157); 13 = L.I.; Mons-en-Pévèle Sand Member, Ronse. (IRSNB P. 5158); 14 = R.I.; Barton Clay. Lectotype. (Coll. Brit. Mus. Nat. Hist., P. 31997)

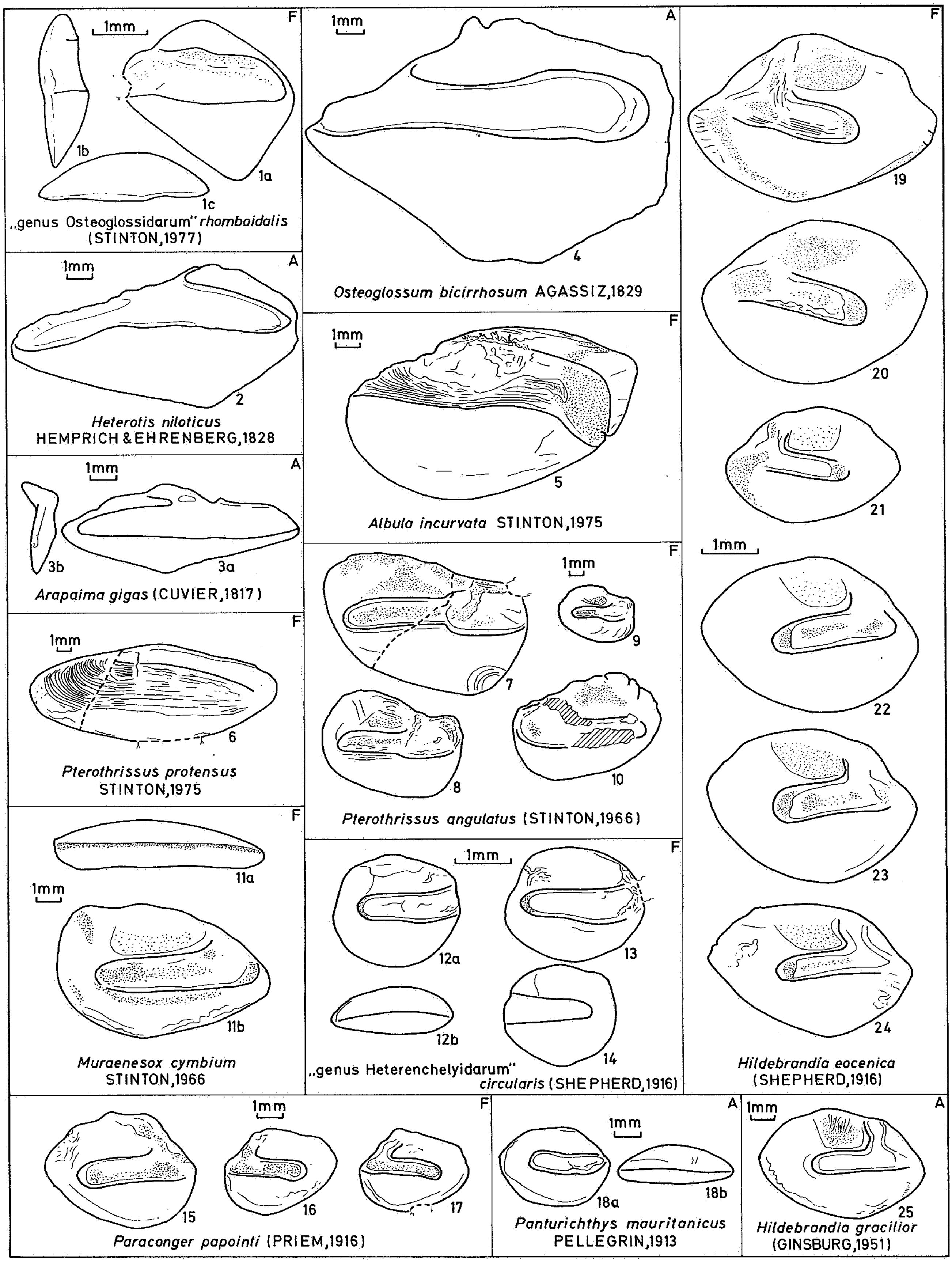
Fig. 15-17 : *Paraconger papointi* (PRIEM, 1906)
15 = L.I.; 16-17 = R.I.; Egem Sand Member, Egem, sandpit Ampe. (IRSNB P. 5159; P. 5160; P. 5161)

Fig. 18 : *Panturichthys mauritanicus* PELLEGRIN, 1913
18a = L.I.; 18b = L.V.; Recent, off Mauritania. (Coll. IRSNB)

Fig. 19-24 : *Hildebrandia eocenica* (SHEPHERD, 1916).
19-21 = R.I.; 22-24 = L.I.; Roubaix Clay Member, Moen. (IRSNB P. 5162; P. 5163; P. 5164; P. 5165; P. 5166; P. 5167)

Fig. 25 : *Hildebrandia gracilior* (GINSBURG, 1951)
L.I.; Recent, Caraibean Sea. (Coll. IRSNB)

PL.1



„genus Osteoglossidarum" *rhomboidalis* (STINTON,1977)
Heterotis niloticus HEMPRICH & EHRENBERG,1828
Arapaima gigas (CUVIER,1817)
Pterothrissus protensus STINTON,1975
Muraenesox cymbium STINTON,1966
Osteoglossum bicirrhosum AGASSIZ,1829
Albula incurvata STINTON,1975
Pterothrissus angulatus (STINTON,1966)
„genus Heterenchelyidarum" *circularis* (SHEPHERD,1916)
Hildebrandia eocenica (SHEPHERD,1916)
Paraconger papointi (PRIEM,1916)
Panturichthys mauritanicus PELLEGRIN,1913
Hildebrandia gracilior (GINSBURG,1951)
1mm
F
A
1a
1b
1c
2
3a
3b
4
5
6
7
8
9
10
11a
11b
12a
12b
13
14
15
16
17
18a
18b
19
20
21
22
23
24
25

PLATE 2

Fig. 1-5 : *Gnathophis schepdaalensis* n. sp.
1a = L.I.; 1b = L.V.; Panisel Sand Member, Schepdaal. Holotype. (IRSNB P.5168); 2 = L.I.; 3-5 = R.I.; Panisel Sand Member, Schepdaal. Paratypes. (IRSNB P.5169; P.5170; P.5171; P.5172)

Fig. 6-9 : "genus aff. *Pseudophichthys*" *guttulus* (STINTON, 1975);
6-7 = L.I.; 8 = R.I.; London Clay, Shinfield. (IRSNB P.5173; P.5174; P.5175); 9 = R.I.; Roubaix Clay Member, Moen. (IRSNB P.5176)

Fig. 10 : *Palaeogadus serratus* STINTON, 1966
L.I.; Egem Sand Member, Egem, sandpit Ampe. (IRSNB P.5177)

Fig. 11 : "genus Merlucciinarum" *elegans* (STINTON, 1977)
R.I.; Egem Sand Member, Egem, sandpit Ampe. (IRSNB P.5178)

Fig. 12-14 : "genus Gadidarum" *eocenicus* FROST, 1931
12 = R.I.; 13a = R.I.; 13b = R.A.; 13c = R.V.; London Clay, Shinfield. (IRSNB P.5179; P.5180); 14 = R.I.; Roubaix Clay Member, Moen. (IRSNB P.5181)

Fig. 15-17 : "genus Congridarum" *diagonalis*. (STINTON & NOLF, 1970)
15 = L.I.; 16 = L.I.; 17 = R.I.; Egem Sand Member, Egem, sandpit Ampe. (IRSNB P.5182; P.5183; P.5184)

Fig. 18-19 : "genus Congridarum" *validus* STINTON, 1966
R.I.; Roubaix Clay Member, Bailleul. (IRSNB P.5185; P.5186)

Fig. 20 : *Ampheristus* sp.
20a = L.V.; 20b = L.I.; Egem Sand Member, Egem, sandpit Ampe. (IRSNB P.5187)

Fig. 21 : *Ampheristus toliapicus* (KÖNIG, 1825)
21a = R.V.; 21b = R.I.; Roubaix Clay Member, Moen. (IRSNB P.5188)

Fig. 22-23 : "genus aff. *Sirembo*" *convexus* STINTON, 1977
22a = L.V.; 22b = L.I.; 23 = L.I.; Egem Sand Member, Egem, sandpit Ampe. (IRSNB P.5189; P.5190)

Fig. 24-27 : "genus Neobythitinarum" *gossei* n. sp.
24-25 = L.I.; Roubaix Clay Member, Moen. Paratypes. (IRSNB P.5191; P.5192); 26 = R.I.; Roubaix Clay Member, Moen. Holotype. (IRSNB P.5193); 27 = L.I.; Roubaix Clay Member, Moen. Paratype. (IRSNB P.5194)

Fig. 28 : *Ampheristus* aff. *lerichei* (STINTON & NOLF, 1970)
R.I.; Egem Sand Member, Egem, sandpit Ampe. (IRSNB P.5195)

Fig. 29 : "genus aff. *Conger*" sp.
L.I.; Roubaix Clay Member, Moen. (IRSNB P.5196)

Fig. 30 : "genus Neobythitinorum" *longissimus* NOLF, 1980
R.I.; Egem Sand Member, Egem, sandpit Ampe. (IRSNB P.5197)

PL.2

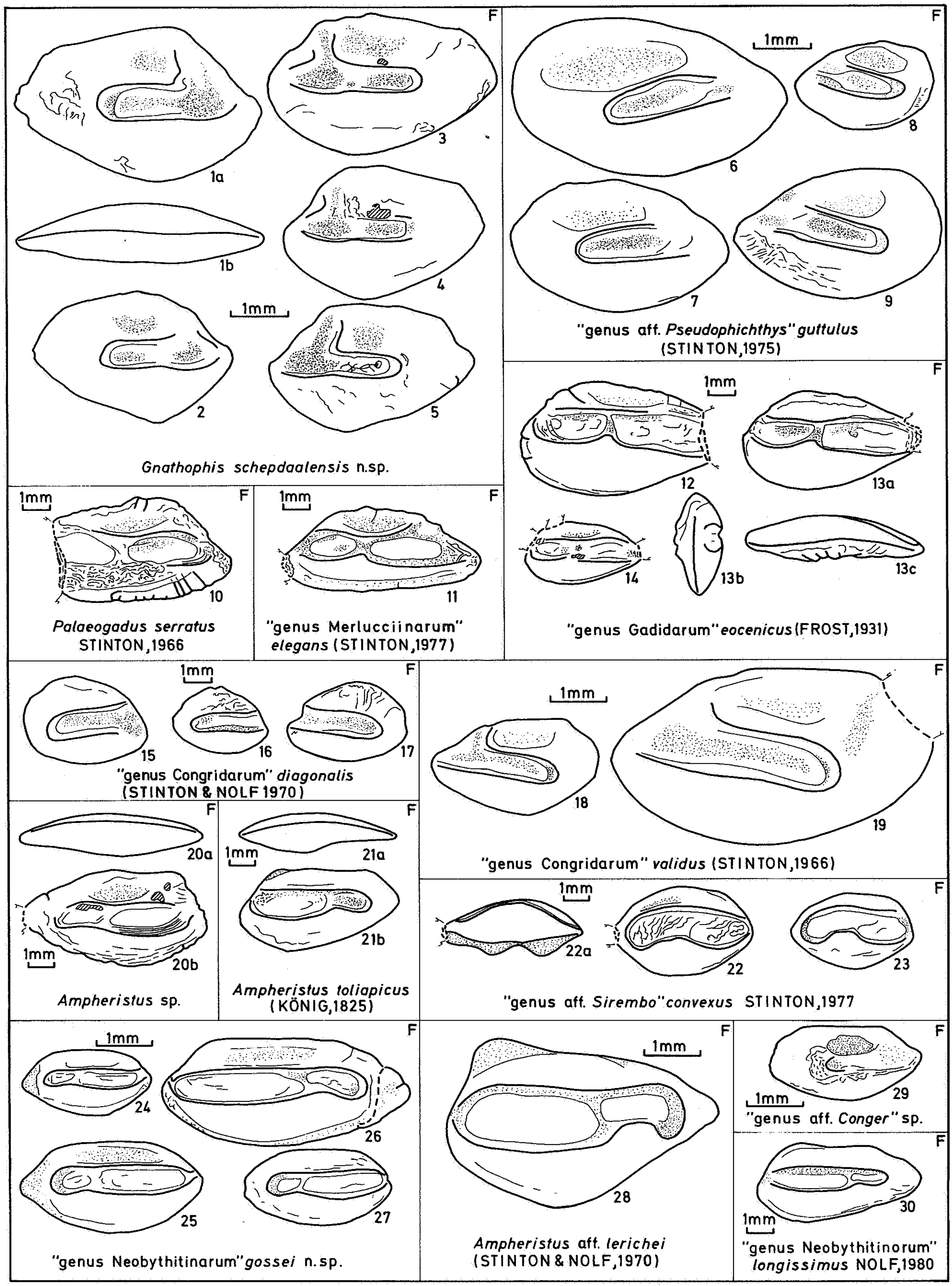

F
1a
1b
1mm
2
3
4
5
Gnathophis schepdaalensis n.sp.
1mm
6
7
8
9
"genus aff. Pseudophichthys" guttulus
(STINTON,1975)
1mm
10
Palaeogadus serratus
STINTON,1966
1mm
11
"genus Merlucciinarum"
elegans (STINTON,1977)
1mm
12
13a
13b
13c
14
"genus Gadidarum" eocenicus (FROST,1931)
1mm
15
16
17
"genus Congridarum" diagonalis
(STINTON & NOLF 1970)
1mm
18
19
"genus Congridarum" validus (STINTON,1966)
20a
1mm
20b
Ampheristus sp.
1mm
21a
21b
Ampheristus toliapicus
(KÖNIG,1825)
1mm
22a
22
23
"genus aff. Sirembo" convexus STINTON,1977
1mm
24
25
26
27
"genus Neobythitinarum" gossei n.sp.
1mm
28
Ampheristus aff. lerichei
(STINTON & NOLF,1970)
1mm
29
"genus aff. Conger" sp.
1mm
30
"genus Neobythitinorum"
longissimus NOLF,1980

PLATE 3

Fig. 1 : "genus Sirembinorum" *arcuatus* STINTON, 1977
1a = L.V.; 1b = L.I.; Roubaix Clay Member, Moen. (IRSNB P.5198)

Fig. 2 : "genus Neobythitinarum" *dimidiatus* (SCHUBERT, 1916)
2a = R.V.; 2b = R.I.; Egem Sand Member, Egem, sandpit Ampe. (IRSNB P.5199)

Fig. 3 : "genus Neobythitinorum" *angustus* (STINTON, 1977)
3a = R.V.; 3b = R.I.; Egem Sand Member, Egem, sandpit Ampe. (IRSNB P.5200)

Fig. 4-5 : "genus Neobythitinorum" *angustoides* n. sp.
4a = R.V.; 4b = R.I.; Pittem Clay Member, Torhout. Holotype. (IRSNB P.5201); 5 = R.I.; Pittem Clay Member, Torhout. Paratype. (IRSNB P.5202)

Fig. 6-7 : *Glyptophidium polli* (CASIER, 1946)
6a = L.V.; 6b = L.I.; 7 = L.I.; Roubaix Clay Member, Moen. (IRSNB P.5203; P.5204)

Fig. 8 : "genus Neobythitinorum" *subregularis* (SCHUBERT, 1916)
R.I.; Panisel Sand Member, Schepdaal. (IRSNB P.5205)

Fig. 9 : "genus Sirembinorum" *tumidus* NOLF, 1973
R.I.; Egem Sand Member, Egem, sandpit Ampe. (IRSNB P.5206)

Fig. 10-11 : *Oligopus argutus* (STINTON, 1966)
L.I.; Roubaix Clay Member, Moen. (IRSNB P.5207; P.5208)

Fig. 12 : "genus Dinematichthyinorum" *symmetricus* (FROST, 1934)
R.I.; Roubaix Clay Member, Kortrijk. (IRSNB P.1837)

Fig. 13 : *Centroberyx eocenicus* (FROST, 1933)
R.I.; Roubaix Clay Member, Moen. (IRSNB P.5210)

Fig. 14-15 : *Holocentrus sheppeyensis* (FROST, 1934)
14 = L.I.; 15 = R.I.; Roubaix Clay Member, Moen. (IRSNB P.5211; P.5212)

Fig. 16-17 : "genus Serranidarum" *striatus* (FROST, 1934)
16 = L.I.; Roubaix Clay Member, Moen. (IRSNB P.5213); 17 = R.I.; London Clay, Shinfield. (IRSNB P.5214)

Fig. 18-19 : *Antigonia angusta* STINTON & NOLF, 1970
L.I.; Egem Sand Member, Egem, sandpit Ampe. (IRSNB P.5215; P.5216)

Fig. 20-21 : *Apogon* sp.
L.I.; Egem Sand Member, Egem, sandpit Ampe. (IRSNB P.5217; P.5218)

Fig. 22-25 : *Platycephalus janeti* (PRIEM, 1911)
22 = L.I.; 23 = R.I.; 24-25 = L.I.; Egem Sand Member, Egem, sandpit Ampe. (IRSNB P.5219; P.5220; P.5221; P.5222)

Fig. 26-28 : "genus Serranidarum" sp.
R.I.; Egem Sand Member, Egem, sandpit Ampe. (IRSNB P.5223; P.5224; P.5225)

PL.3

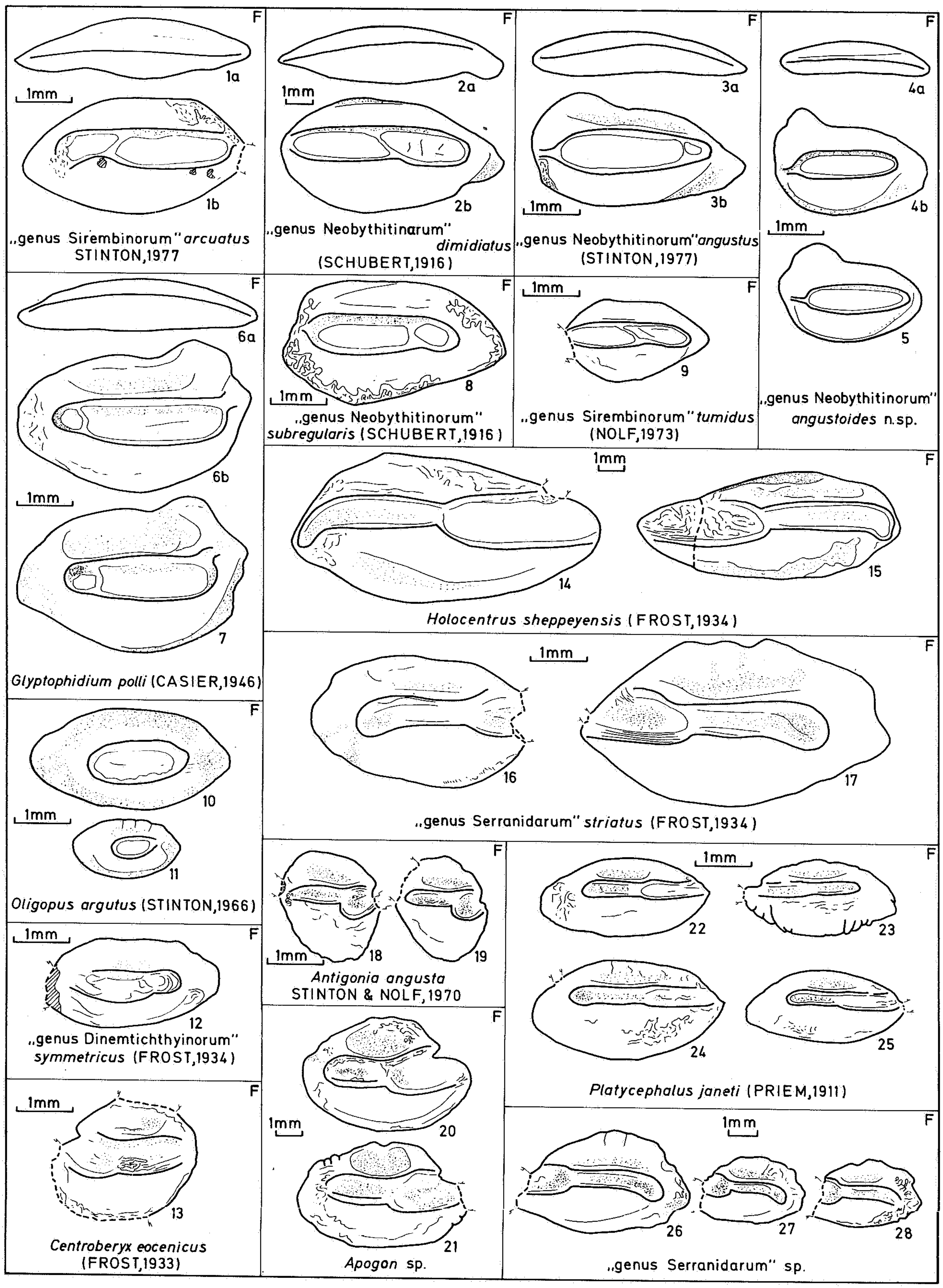

F
1a
1mm
1b
„genus Sirembinorum" *arcuatus* STINTON,1977
2a
1mm
2b
„genus Neobythitinarum" *dimidiatus* (SCHUBERT,1916)
3a
1mm
3b
„genus Neobythitinorum" *angustus* (STINTON,1977)
4a
4b
1mm
5
„genus Neobythitinorum" *angustoides* n.sp.
6a
6b
1mm
7
Glyptophidium polli (CASIER,1946)
8
1mm
„genus Neobythitinorum" *subregularis* (SCHUBERT,1916)
1mm
9
„genus Sirembinorum" *tumidus* (NOLF,1973)
1mm
14
15
Holocentrus sheppeyensis (FROST,1934)
10
1mm
11
Oligopus argutus (STINTON,1966)
1mm
16
17
„genus Serranidarum" *striatus* (FROST,1934)
1mm
12
„genus Dinemtichthyinorum" *symmetricus* (FROST,1934)
1mm
18
19
Antigonia angusta STINTON & NOLF,1970
1mm
22
23
24
25
Platycephalus janeti (PRIEM,1911)
1mm
13
Centroberyx eocenicus (FROST,1933)
1mm
20
21
Apogon sp.
1mm
26
27
28
„genus Serranidarum" sp.

PLATE 4

Fig 1-2 : *Apogon glaber* STINTON, 1966
L.I., Roubaix Clay Member; 1 = Moen (IRSNB P. 5226); 2 = Bailleul (IRSNB P. 5227)

Fig. 3 : *Lactarius lactarius* (SCHNEIDER, 1801)
L.I.; Recent, off Queensland, Australia. (Coll. FITCH)

Fig. 4-9 : *Isacia gibbosa* (STINTON, 1980)
4-6 = L.I.; 7-9 = R.I.; Egem Sand Member, Egem, Ringbeek. (IRSNB P. 2089; P. 2090; P. 2091; P. 2092; P. 2093; P. 2094)

Fig. 10 : *Lactarius amplus* (POMEROL, 1973)
L.I.; Egem Sand Member, Egem, sandpit Ampe. (IRSNB P. 5228)

Fig. 11-12 : *Xenistius pulcher* (FROST, 1934)
11 = L.I.; 12 = R.I.; Egem Sand Member, Egem, sandpit Ampe. (IRSNB P. 5229; P. 5230)

Fig. 13 : "genus Pomadasyidarum" *ovalis* (STINTON, 1957)
R.I.; Mons-en-Pévèle Sand Member, Mons. (IRSNB P. 5231)

Fig. 14 : *Spicara minsterensis* (FROST, 1934)
L.I.; Roubaix Clay Member, Moen. (IRSNB P. 5232)

Fig. 15-16 : "genus Sparidarum" sp.
R.I.; Panisel Sand Member, Schepdaal. (IRSNB P. 5233; P. 5234)

Fig. 17-18 : *Isacia conceptionis* (CUVIER, 1830)
17 = R.I.; 18 = L.I.; Recent, off Peru. (Coll. IRSNB)

Fig. 19-20 : "genus Pomadasyidarum" *kokeni* (LERICHE, 1905)
19 = L.I.; 20 = R.I.; Panisel Sand Member, Schepdaal. (IRSNB P. 5235; P. 5236)

Fig. 21 : *Xenistius californiensis* (STEINDACHNER, 1875)
L.I.; Recent, off California. (Coll. IRSNB)

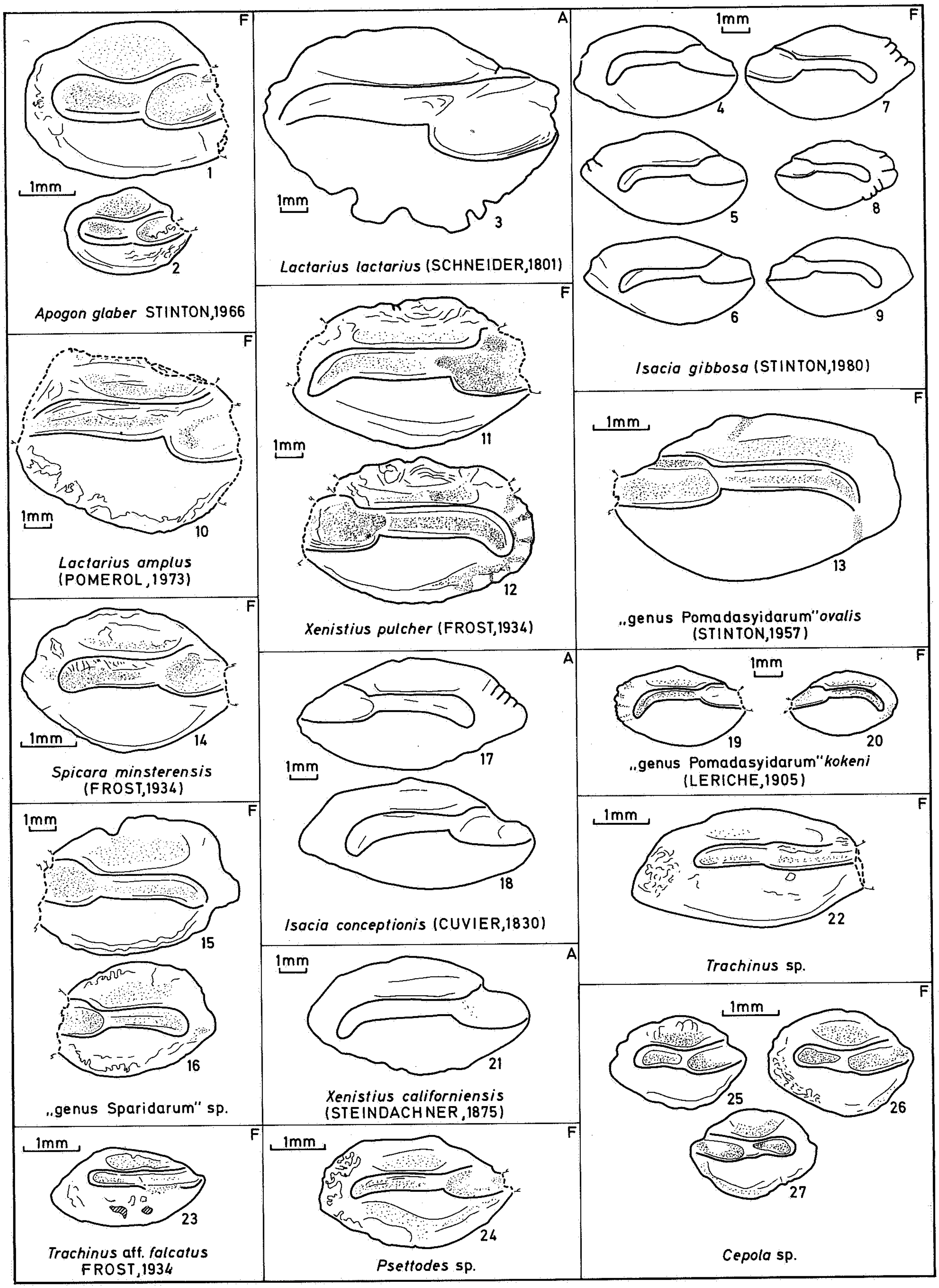
Fig. 22 : *Trachinus* sp.
L.I.; Egem Sand Member, Egem, sandpit Ampe. (IRSNB P. 5237)

Fig. 23 : *Trachinus* aff. *falcatus* FROST, 1934
L.I.; Panisel Sand Member, Schepdaal. (IRSNB P. 5238)

Fig. 24 : *Psettodes* sp.
L.I.; Egem Sand Member, Egem, sandpit Ampe. (IRSNB P. 5209)

Fig. 25-27 : *Cepola* sp.
25-26 = L.I.; 27 = R.I.; Roubaix Clay Member, Moen. (IRSNB P. 5239; P. 5240; P. 5241)

PL.4


F
1mm
1
2
Apogon glaber STINTON,1966
A
1mm
3
Lactarius lactarius (SCHNEIDER,1801)
1mm
F
4
7
5
8
6
9
Isacia gibbosa (STINTON,1980)
F
1mm
10
Lactarius amplus
(POMEROL,1973)
F
1mm
11
12
Xenistius pulcher (FROST,1934)
F
1mm
13
„genus Pomadasyidarum"ovalis
(STINTON,1957)
F
1mm
14
Spicara minsterensis
(FROST,1934)
A
1mm
17
18
Isacia conceptionis (CUVIER,1830)
1mm
F
19
20
„genus Pomadasyidarum"kokeni
(LERICHE,1905)
1mm
F
15
16
„genus Sparidarum" sp.
1mm
A
21
Xenistius californiensis
(STEINDACHNER,1875)
1mm
F
22
Trachinus sp.
1mm
F
25
26
27
Cepola sp.
1mm
F
23
Trachinus aff. falcatus
FROST,1934
1mm
F
24
Psettodes sp.