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INSTITUTO GEOLÓGICO

BOLETIM Nº 11

FOSSIL MOLLUSCS OF BRAZIL

LUIZ RICARDO LOPES DE SIMONE
SÉRGIO MEZZALIRA

São Paulo
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EXPLANATORY NOTES

Introduction

With the purpose of a systematic and evolutionary study of fossil Molluscs, a survey on all existing studies on this subject is necessary, and also a card file of the species included in them. With this work finished, its publication is useful, reducing the initial work of an interested researcher. With this objective, this search was organized as a catalogue, including geological, biological and bibliographical aspects, the most concise and practical possible.

There are 1205 valid specie names of fossil molluscs described or referred to in Brazilian territory, of which, 35.9% are gastropods, 51.3% bivalves, 11.7% cephalopods and 1.0% other small classes.

The bibliographic references mentioned in this catalogue may include all papers published on Brazilian fossil molluscs up to May, 1991, supplemented by a large number of publications from the international literature that were consulted to supply information not available in the Brazilian papers. Even so, some items were impossible to complete. The authors would be most appreciative of any additional data that readers may be able to supply in these cases.

Scope

This paper includes only those mollusc taxa identified at the species level that have been described or referred to in the literature as occurring in Brazil. Geographic ranges outside the country are not mentioned. Except for four species described by paleontologists, quaternary molluscs are excluded. These measures have been adopted to avoid unnecessary repetition in the synonymies of imprecisely identified taxa (e.g. *Conus* sp.) and to keep down the length of this volume.

How to use this catalogue

Systematic Section: organized by class with genera and higher level taxa listed in approximate phylogenetic order, in accordance with the treatises by VAUGHT (1989), BOSS (1982), MOORE (1957 to 1971), WENS (1938) and THIELE (1931). For the Cenozoic fauna, RIOS (1985) and ABBOTT (1974) were also used. Within genera and subgenera, species are listed alphabetically. All taxa are alphabetically listed in the Subject Index.

Stratigraphic Section: species are disposed according to they age and stratigraphic unit. In this section the species number corresponds to it number in Systematic Section, and the reference number corresponds to the same in Bibliography.

The following informations are listed in Systematic Section:

- 1) **NUMBER:** each species is numbered successively from 1 to 1205 in order of appearance in this book.
- 2) **SCIENTIFIC NAME:** the scientific name given here is in accordance with the International Code of Zoological Nomenclature (184). The designation "comb. n." after the name means that the genus of the species has changed and that the new generic designation is used here for the first time.
- 3) **AGE:** age of the strata in which the species is found in Brazil.
- 4) **STRATIGRAPHY:** name of the stratigraphic unit in which the species occurs in Brazil.
- 5) **OCCURRENCE:** geographic distribution of the species in Brazil, generally by municipality, town, region, etc.

6)REFERENCE: reference numbers as listed in the bibliography.

7)PLATE AND SIZE: plate number, followed by the bibliographic reference number of the figure. Approximate maximum dimension of the figured specimen in millimeters is given last. The number of the figure in the plate corresponds to the number of the species.

8)SYNONYMY: invalid published names for the species.

9)N.B.: other pertinent data.

Use of “#”

The symbol “#” after a name identifies the taxon as a modern form with a fossil record, but having no living representatives in Brazil; further research is suggested to confirm the identification of these taxa.

Subspecies

Among the subspecies listed here are various that have been mentioned in the literature apparently without proper a geographic or stratigraphic distinction, a problem that merits future investigation. Thus, the following subspecies are apparently sympatric: 48, 50/51, 115, 117/118, 174, 233, 365, 538, 555, 585, 961, 1154 and 1156.

Division of work and responsibility

Mezzalira was charged with stratigraphic updating and final revision. Simone was responsible for the bibliographical survey, systematic updating, pictures and text.

Advise

Extinct species are “extinguishing”: several fossil outcrops and even complete formations will be lost in a few years. Itaborai Formation, with such important Pulmonata fossils is altogether lost, destroyed, without ever having been completely studied. Other formations, mainly in North-Eastern Brazil are heading in the same direction, it is only a question of time.

Acknowledgements

It is impracticable to thank all the persons who contributed to this voluminous task of researching and updating information on all Brazilian fossil molluscs, but a number of people deserve a special mention: Prof. R. Carvalho and A. C. Rocha Campos of the Instituto de Geociências of the Universidade de São Paulo (USP), who provided space for us to work within this Institute’s facilities. Prof. M. H. R. Hessel of Universidade de Brasília for opinions about text and for sending references. Prof. J. L. M. Leme of the Museu de Zoologia of the USP, for allowing use of this Museum’s facilities and for providing opinions about Pulmonata systematics. Prof. C. M. Martins of the Museu de Zoologia of USP for ideas and suggestions about systematics and the text. Dr. J. F. Vaz for discussions about fresh-water Gastropoda. For sending references: Dr. V. U. Rosado of Mossoró, RN; Prof. E. W. Ragonha of Universidade Estadual Paulista-Rio Claro; Profs. J. H. Ciguel; M. C. Simões and F. C. Fittipaldi of Instituto de Geociências of USP; Prof. J.C.Mendes; Dr. R. A. Reyment. For revision on English text: Prof. T. Farshild of Instituto de Geociências of USP. For orientation of the computer use: Prof. C.R. Brandão and O.Schmidt (MZUSP).

ABBREVIATIONS

aff	affinis	similar to
al	alii	others
auct	auctorum	authors
cf	confer	confer on
comb.n.	combinatio nova	new combination
err.typogr.	errore typographico	typographic error

Abbreviations of Brazilian States mentioned herein

AC: Acre
 AL: Alagoas
 AM: Amazonas
 BA: Bahia
 MA: Maranhão
 MG: Minas Gerais
 MT: Mato Grosso
 MS: Mato Grosso do Sul
 PA: Pará
 PB: Paraíba
 PE: Pernambuco
 PI: Piauí
 PR: Paraná
 RJ: Rio de Janeiro
 RN: Rio Grande do Norte
 RS: Rio Grande do Sul
 SC: Santa Catarina
 SE: Sergipe
 SP: São Paulo

1 STRATIGRAPHIC SECTION

1.1 Occurrences of fossil molluscs in Brazil

GEOLOGICAL TABLE I (CENOZOIC/MESOZOIC) - Based on VAN EYSINGA (1971), HESSEL (1982), PETRI & FULFARO (1983) and MENDES (1988).

				BASINS OR REGIONS									
E R A	AGE in million Years	Period	Series	Southern Brazil	Amazonian	Sergipe Alagoas	Parnaíba	Tucano	Portuguar	Rio do Peixe	Paraíba Pernambuco	Araripe	
C E N O Z O I C		Holocene - Recent											
	1.8	Pleistocene											
	5	Pliocene			Pebas		Turiacú						
	18.5	Miocene	LATE	Pelotas									
			MIDDLE										
	26		EARLY	Basin		Pirabas							
	37.5	Oligocene											
53.5	Eocene												
M E S O Z O I C	65	Paleocene		Itaboraí							Maria Farinha		
	70	L A T E C R E T A C E O U S	Maastrichtian								Gramame		
	76		Campa- nian	S e n o n i a n Bauru Group		Piaça- buçu							
	82		Santa- nian										
	88		Conia- cian			Cotin- guiba	Itape- curu		Jandaira		Esti- va		
	94		Turonian (Emscheri- an)									Beberibe	
	100		Camoma- nian						Algodões	Açú			
	106		Albian				Riachuelo						
		E A R L Y	Ap- tian					Ba- hi- a					
			Ala- goan					Ili- ha- s	Pendência			Santana	
			B. J.										
			H. B.										
			V. A.										
	136		B. R. S.								Souza		
	162	Jurassic											
	192,5	LATE EARLY											
	225	Triassic											

GEOLOGICAL TABLE II (PALEOZOIC) - Based on VAN EYSINGA (1971), HESSEL (1982), PETRI & FULFARO (1983) and MENDES (1988).

				P E R I O D	BASINS OR REGIONS								
E R A	AGE in million year	Strati-graphical Ages	E P O C H		Paraná	Amazonian	Sergipe Alagoas	Parnaiba	Tucano	Portiguar	Rio do Peixe	Paraiba Pernambuco	Araripe
P A L E O Z O I C	230	Tartarian	L A T E M I D D L E E A R L Y	P E R M I A N	Passa Dois Group								
	240	Kazonian											
	256.5	Kungurian											
	280	Artins-kian Sakma-nian			Tubarão Group								
	292.5	Stephanian	L A T E E A R L Y	C A R B O N I F E R O U S				Piaui					
	312.5	Westpha-lian			MONTE ALEGRE	ITALI-TUBA							
	325	Namurian											
	337.5	Visean					Poti						
	345	Tournasian	L A T E E A R L Y										
	353	Fammenian Strunian				Curvã			Inajã				
	359	Frasnian											
	370	Givetian Courvinian	M I D D L E E A R L Y	D E V O N I A N	Ponta Grossa	Ererê		Pimentei-ras					
	374	Emsian				Maecuru							
	395	Siegenian											
		Gedinnian											
		Downtonian	S I L U R I A N										
		Ludlovian				Trombetas							
	410	Wenlockian											
	435	Liandoverian											
	495	Ordovician											
	570	Cambrian											

1.2 Paleozoic Era

SILURIAN

Trombetas Formation

Ludlovian

Species: 15, 434, 453, 744, 745, 1203

Occurrence of Molluscs: PA

References: 81, 87, 88, 193, 194, 235

DEVONIAN

Ponta Grossa Formation

Eifelian to Frasnian

Species: 8, 11, 12, 16, 25, 53, 56, 432, 433, 445, 448, 452, 454, 458, 459, 461, 462, 465, 469, 470, 527, 554, 733, 734, 741, 743, 808, 817, 977, 983, 984, 985, 988, 989, 997, 1054, 1055, 1056, 1197, 1198, 1200

Occurrence of Molluscs: PR, MT

Reference: 4, 11, 47, 50, 73, 81, 82, 83, 84, 85, 88, 100, 115, 196, 211, 214, 217, 228, 235, 269, 297, 298, 299, 300, 301, 315, 336, 351, 352, 366, 367, 368, 422, 435

Maecuru Formation

Emsian

Species: 3, 7, 10, 13, 14, 17, 38, 39, 40, 41, 42, 45, 46, 47, 49, 50, 51, 52, 54, 57, 436, 463, 466, 552, 553, 555, 558, 560, 698, 731, 732, 735, 737, 740, 816, 819, 978, 979, 980, 981, 993, 995, 1002, 1198, 1199, 1202, 1203, 1205

Occurrence of Molluscs: PA

Reference: 86, 100, 104, 170, 172, 189, 190, 191, 192, 193, 194, 198, 224, 231, 235, 367, 418, 435

Ererê Formation

Eifelian-Givetian

Species: 2, 9, 18, 27, 48, 55, 436, 437, 444, 451, 452, 455, 456, 460, 464, 468, 471, 472, 473, 558, 736, 742, 975, 982, 987, 996, 1199

Occurrence of Molluscs: PA

Reference: 11, 73, 86, 88, 89, 100, 172, 192, 193, 194, 231, 235, 367, 435

Curuá Formation

Frasnian-Strunian

Species: 51, 54, 455, 1201

Occurrence of Molluscs: PA

Reference: 86, 193, 194, 235, 435

Pimenteiras Formation

Eifelian-Givetian

Species: 10, 11, 452, 470

Occurrence of Molluscs: PI

Reference: 69, 121, 306, 315, 417

Inajá Formation

Frasnian-Famnenian

Species: 457, 556, 709, 738, 818, 972, 1000, 1001

Occurrence of Molluscs: PE

Reference: 198, 224, 304

CARBONIFEROUS- PERMIAN

Tubarão Group

Tournasian(C)-Kungurian(P)

Species: 6, 19, 23, 443, 446, 449, 695, 701, 706, 707, 708, 726, 728, 810, 815, 964, 1024, 1025, 1042

Occurrence of Molluscs: MT, SP, PR, SC

Reference: 73, 91, 118, 166, 196, 202, 203, 216, 217, 224, 235, 240, 256, 259, 261, 276, 280, 283, 290, 291, 311, 320, 322, 353, 357, 371, 393, 394, 395, 396, 397, 398, 399, 400, 407, 421, 422, 453

Monte Alegre Formation

Westphalian(C)

Specie: 438

Occurrence of Molluscs: PA

Reference: 235, 435, 440

Itaituba Formation

Westphalian(C)

Species: 1, 4, 5, 21, 22, 24, 30, 31, 32, 33, 44, 80, 493, 528, 530, 531, 532, 534, 535, 536, 540, 544, 557, 561, 605, 606, 609, 696, 697, 699, 700, 702, 703, 704, 713, 714, 727, 730, 804, 805, 806, 807, 830, 973, 976, 994

Occurrence of Molluscs: PA, AM

Reference: 39, 50, 73, 114, 119, 122, 164, 165, 166, 194, 220, 235, 240, 254, 255, 267, 269, 272, 296, 343, 418, 435, 440

Poti Formation

Tourasian-Viscan (C)

Species: 963, 965, 966, 967, 968, 970

Occurrence of Molluscs: PI

Reference: 73, 199

Piaui Formation

Westphalian-Stephanian (C)

Specie: 705

Occurrence of Molluscs: PI

Reference: 73, 202, 224

Passa Dois Group

Kazanian-Tartarian (P)

Species: 516, 537, 562, 563, 564, 739, 767, 768, 771, 822, 824, 825, 826, 827, 832, 833, 834, 835, 887, 888, 889, 890, 891, 893, 894, 895, 896, 974, 1003, 1004, 1005, 1006, 1007, 1026, 1027, 1040, 1041, 1052

Occurrence of Molluscs: MT, SP, PR, SC

Reference: 3, 21, 22, 23, 24, 73, 99, 106, 110, 112, 113, 125, 138, 158, 159, 176, 213, 217, 219, 224, 235, 236, 257, 258, 259, 260, 263, 264, 266, 268, 270, 271, 274, 275, 277, 278, 279, 280, 282, 283, 284, 286, 294, 300, 311, 312, 316, 318, 340, 359, 360, 361, 363, 369, 370, 372, 273, 374, 375, 397, 401, 402, 407, 408, 420, 421, 422

Additional Paleozoic Reference: 89, 92, 156, 252, 253

1.3 Mesozoic Era

JURASSIC-CRETACEOUS

Souza Formation

NeoJurassic-EoCretaceous

Species: 749

Occurrence of Molluscs: PB

Reference: 247

CRETACEOUS (alphabetical order)

Açu Formation

Turonian

Species: 149, 156, 176, 183, 187, 189, 190, 194, 206, 207, 209, 235, 236, 239, 241, 247, 252, 396, 397, 513, 517, 518, 529, 539, 585, 614, 620, 622, 626, 627, 631, 632, 641, 662, 664, 724, 785, 786, 839, 851, 858, 954, 1021, 1031, 1034

Occurrence of Molluscs: RN

Reference: 35, 40, 185, 235, 243, 247, 427

- Algodões Formation* Albian-Cenomanian
 Species: 153, 235, 238, 297, 494, 601, 607, 673, 676, 716, 721, 837, 876, 931, 938, 1022, 1117
 Occurrence of Molluscs: BA
 Reference: 54, 57, 73, 105, 235, 243, 246, 249, 377
- Apodi Formation* Albian-Cenomanian
 Species: 511, 545, 619, 929
 Occurrence of Molluscs: CE
 Reference: 35, 73, 123, 235, 247, 410, 411
- Bahia Group* Alagoan
 Species: 72, 83, 84, 138, 139, 410, 757, 761, 763, 901
 Occurrence of Molluscs: BA
 Reference: 73, 115, 116, 235, 256, 342, 445
- Bauru Group* Senonian
 Species: 82, 406, 748, 753, 754, 755, 756, 759, 762, 766
 Occurrence of Molluscs: SP, MG, GO
 Reference: 5, 183, 280, 281, 283, 342, 433
- Beberibe Formation* Turonian-Santonian
 Species: 157, 524, 585, 603, 653, 1166
 Occurrence of Molluscs: PE
 Reference: 27, 218, 377, 418, 431, 432, 439
- Cotinguiúba Formation* Cenomanian-Coniacian
 Species: 58, 204, 208, 243, 304, 309, 320, 321, 348, 508, 510, 543, 565, 568, 569, 571, 572, 573, 574, 576, 579, 580, 581, 582, 583, 584, 585, 586, 587, 588, 589, 590, 591, 592, 593, 594, 595, 596, 597, 598, 599, 600, 610, 642, 647, 649, 650, 659, 660, 666, 711, 828, 836, 854, 1032, 1035, 1063, 1066, 1069, 1074, 1075, 1103, 1104, 1105, 1109, 1119, 1120, 1121, 1122, 1123, 1124, 1125, 1126, 1128, 1129, 1130, 1131, 1132, 1133, 1134, 1135, 1136, 1137, 1138, 1139, 1140, 1141, 1142, 1143, 1144, 1145, 1146, 1147, 1148, 1149, 1150, 1151, 1152, 1153, 1154, 1155, 1156, 1157, 1158, 1159, 1160, 1161, 1162, 1163, 1164, 1165, 1167, 1168, 1169, 1170, 1171, 1172, 1173, 1174, 1175, 1176, 1177, 1178, 1179, 1180, 1181, 1182, 1183, 1184, 1185, 1187, 1188, 1190, 1191
 Occurrence of Molluscs: SE, AL
 Reference: 6, 7, 9, 10, 12, 13, 14, 18, 27, 29, 35, 37, 49, 56, 60, 68, 73, 93, 95, 97, 105, 107, 114, 160, 173, 174, 175, 177, 178, 186, 194, 195, 198, 204, 205, 206, 210, 226, 227, 232, 233, 234, 241, 246, 249, 290, 295, 313, 331, 332, 346, 377, 378, 379, 380, 381, 382, 383, 384, 385, 386, 387, 388, 389, 390, 391, 402, 409, 413, 424, 427, 428, 429, 430, 431, 432, 443, 445, 450, 451, 452
- Estiva Formation* Coniacian-Santonian
 Species: 391, 392, 393, 394, 617
 Occurrence of Molluscs: PE
 Reference: 73, 235, 246, 306
- Gramame Formation* Campanian-Maastrichtian
 Species: 129, 143, 144, 145, 167, 220, 221, 223, 231, 238, 308, 495, 496, 497, 498, 509, 570, 602, 665, 669, 793, 794, 844, 898, 930, 941, 1023, 1061, 1062, 1065, 1067, 1068, 1076, 1077, 1078, 1079, 1080, 1081, 1082, 1083, 1084, 1085, 1086, 1087, 1088, 1089, 1090, 1091, 1092, 1093, 1094, 1095, 1096, 1097, 1098, 1192, 1193
 Occurrence of Molluscs: PB
 Reference: 41, 73, 201, 224, 226, 235, 246, 302, 303, 305, 327, 347, 415
- Itapecuru Formation* Cenomanian-Santonian
 Species: 514, 615, 638, 674
 Occurrence of Molluscs: MA

Reference: 209

Jandaira Formation

Turonian-Maastrichtian

Species: 76, 111, 113, 126, 135, 147, 161, 162, 166, 179, 184, 188, 191, 192, 193, 212, 235, 236, 242, 263, 393, 395, 479, 481, 547, 577, 578, 629, 630, 632, 640, 641, 643, 644, 646, 718, 796, 841, 842, 858, 860, 862, 871, 943, 1186

Occurrence of Molluscs: RN

Reference: 34, 35, 39, 40, 73, 173, 185, 235, 243, 247, 252, 307, 329, 347, 418, 419, 430

Pendência Formation

Bahian

Species: 403, 845

Occurrence of Molluscs: RN

Reference: 73, 235, 243

Piaçabuçu Formation

Santonian-Maastrichtian

Species: 151, 567, 635, 648, 652, 655, 656, 657, 670, 717, 899

Occurrence of Molluscs: SE

Reference: 73, 176, 226, 235, 305, 322, 415

Riachuelo Formation

Albian Cenomanian

Species: 65, 78, 81, 117, 118, 119, 120, 122, 155, 159, 168, 171, 172, 173, 175, 177, 178, 185, 195, 210, 224, 228, 229, 238, 240, 242, 244, 249, 253, 254, 255, 265, 289, 291, 398, 400, 502, 507, 519, 522, 523, 541, 549, 550, 566, 575, 611, 612, 613, 616, 618, 621, 625, 628, 636, 637, 639, 651, 652, 654, 663, 667, 675, 677, 678, 679, 719, 722, 725, 812, 813, 829, 849, 850, 852, 855, 866, 872, 900, 942, 955, 1028, 1030, 1033, 1036, 1037, 1060, 1064, 1070, 1071, 1072, 1073, 1099, 1100, 1101, 1102, 1106, 1107, 1108, 1109, 1110, 1111, 1112, 1113, 1114, 1115, 1116, 1118, 1127, 1194, 1195

Occurrence of Molluscs: SE, BA

Reference: 13, 16, 17, 36, 37, 38, 39, 59, 63, 67, 68, 73, 76, 98, 173, 178, 194, 196, 223, 224, 232, 235, 246, 249, 256, 313, 322, 418, 445

Santana Formation

Aptian

Species: 105, 174, 551

Occurrence of Molluscs: Araripe

Reference: 31, 33, 39, 44, 61, 223, 230, 454

Additional Cretaceous References: 28, 54, 57, 58, 64, 65, 66, 90, 116, 117, 265

1.4 Cenozoic Era

PALEOCENE

Itaborai Formation

Species: 405, 409, 411, 412, 413, 414, 416, 417, 418, 419, 420, 421, 422, 423, 424, 426, 430, 431

Occurrence of Molluscs: RJ

Reference: 52, 53, 55, 73, 108, 109, 142, 143, 144, 207, 208, 224, 235, 248, 273, 319, 320, 341, 342, 344, 345, 437, 438, 439

Maria Farinha Formation

Species: 69, 70, 75, 77, 79, 106, 108, 110, 115, 121, 123, 124, 130, 136, 137, 140, 148, 163, 165, 169, 186, 197, 200, 205, 211, 215, 219, 226, 227, 237, 249, 264, 277, 288, 293, 294, 295, 298, 299, 300, 302, 303, 307, 310, 311, 346, 352, 363, 386, 389, 390, 439, 442, 447, 475, 499, 542, 548, 658, 779, 795, 802, 811, 848, 878, 885, 924, 946, 955, 1038, 1051, 1058, 1059

Occurrence of Molluscs: PE

Reference: 19, 25, 75, 77, 124, 194, 224, 235, 243, 246, 249, 324, 325, 348, 349, 365, 445, 447

OLIGOCENE-MIOCENE

Pirabas Formation

NeoOligocene-EoMiocene

Species: 34, 35, 36, 37, 59, 60, 61, 62, 63, 66, 68, 107, 109, 112, 114, 116, 125, 127, 128, 131, 133, 134, 141, 142, 146, 154, 158, 160, 164, 170, 180, 181, 182, 196, 198, 199, 201, 202, 203, 215, 216, 217, 218, 219, 222, 225, 230, 245, 248, 250, 251, 256, 257, 258, 259, 260, 261, 262, 270, 271, 272, 273, 274, 275, 276, 278, 280, 281, 282, 283, 284, 286, 287, 290, 292, 293, 296, 301, 305, 306, 312, 313, 314, 315, 316, 317, 318, 319, 322, 323, 324, 325, 327, 329, 330, 331, 332, 333, 334, 335, 336, 337, 338, 339, 340, 341, 342, 345, 347, 349, 350, 351, 353, 354, 355, 356, 357, 358, 359, 360, 361, 362, 365, 366, 367, 368, 370, 371, 372, 373, 374, 375, 376, 378, 379, 380, 381, 383, 384, 385, 401, 402, 404, 450, 474, 476, 477, 478, 480, 482, 483, 484, 485, 487, 488, 489, 490, 491, 492, 500, 501, 503, 506, 512, 520, 546, 604, 608, 623, 624, 633, 634, 645, 661, 671, 672, 680, 681, 682, 683, 684, 685, 687, 688, 689, 690, 691, 692, 693, 694, 712, 715, 723, 772, 773, 775, 776, 777, 778, 779, 780, 781, 782, 783, 788, 789, 792, 797, 798, 799, 800, 801, 803, 820, 821, 838, 840, 843, 846, 847, 853, 856, 857, 859, 861, 864, 865, 867, 868, 869, 873, 874, 875, 877, 880, 881, 882, 883, 884, 886, 902, 903, 905, 906, 907, 908, 909, 910, 911, 913, 914, 915, 916, 917, 918, 919, 920, 921, 922, 923, 925, 926, 927, 928, 932, 933, 934, 935, 936, 937, 941, 944, 945, 947, 948, 949, 950, 951, 953, 955, 1038, 1039, 1053, 1057

Occurrence of Molluscs: PA, MA, PI

Reference: 8, 71, 72, 73, 78, 94, 111, 124, 129, 130, 131, 132, 133, 134, 135, 136, 137, 138, 139, 141, 145, 146, 147, 148, 149, 150, 163, 187, 194, 213, 224, 235, 243, 244, 277, 328, 356, 416, 445, 447, 449

Pelotas Basin

Miocene

Species: 64, 67, 213, 214, 246, 267, 268, 269, 285, 326, 328, 343, 344, 369, 377, 382, 387, 388, 399, 486, 504, 505, 668, 686, 774, 787, 790, 791, 814, 863, 870, 879, 904, 940, 952

Occurrence of Molluscs: RS

References: 47, 91, 101, 152, 153, 154, 155, 162, 163, 179, 180, 181, 182, 241, 244, 251, 334, 337, 338, 339, 357, 431, 453

Additional Miocene Reference: 128, 334, 446

PLIOCENE-PLEISTOCENE

Pebas Formation

Pliocene

Species: 71, 73, 74, 85, 86, 93, 94, 95, 96, 97, 99, 100, 101, 102, 103, 104, 408, 427, 746, 747, 750, 751, 758, 897, 939, 956, 957, 958, 959, 960, 961, 962

Occurrence of Molluscs: AM, AC

Reference: 73, 96, 102, 103, 124, 126, 127, 161, 188, 212, 224, 235, 237, 238, 250, 339, 403, 404, 405, 414, 423, 448

Turîaçu Formation

Pliocene-Pleistocene

Species: 279, 441, 515, 525, 720, 912

Occurrence of Molluscs: MA

Reference: 73, 124, 150, 235, 243, 250

Additional Pliocene References: 140, 335

HOLOCENE (RECENT)

Do not included in this study, except: 415, 425, 428, 429

Reference: 15, 53, 235, 247, 248, 280, 283, 320, 406, 442

Tertiary species living in recent:

64, 74, 198, 214, 216, 219, 232, 233, 234, 267, 268, 270, 272, 276, 279, 285, 316, 326, 343, 344, 365, 369, 377, 382, 385, 387, 388, 415, 427, 429, 474, 478, 482, 491, 505, 515, 525, 723, 746, 747, 750, 782, 863, 870, 874, 879, 903, 912, 915, 923, 929

Reference: 1, 45, 46, 48, 52, 53, 94, 151, 212, 217, 392, 425

1.5 Other Data

Nomen Nudum: 20, 43, 150, 152, 266, 533, 559, 752, 764, 770, 823, 831, 892, 969, 991, 992, 998, 999, 1043, 1044, 1045, 1046, 1047, 1048, 1049, 1050

Doubtful Identification: 26, 28, 29, 364, 407, 440, 467, 521, 538, 710, 729, 769, 784, 809, 971, 990, 1029

Doubtful Stratum: 98, 429, 765

Reference: 224, 235, 238, 342, 406

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and more the following references: 30, 32, 42, 43, 51, 61, 62, 70, 120, 157, 167, 171, 185, 217, 222, 225, 229, 256, 274, 285, 314, 330, 354, 355.

2 SYSTEMATIC SECTION

2.1 Class GASTROPODA

Subclass PROSOBRANCHIA

Order ARCHAEOGASTROPODA

Superfamily BELLEROPHONTOIDEA

Family BELLEROPHONTIDAE

Genus *Bellerophon* Montfort, 1808

1 *Bellerophon crassus* Meek & Worthen, 1860

Age: Carboniferous, Westphalian

Stratigraphy: Itaituba Formation

Occurrence: Tapajós River, PA

Reference: 50,165,194,235

Plate and Size: 1(50),25mm

2 *Bellerophon morganianus* Hartt & Rathbun, 1875

Age: Devonian, Eifelian-Givetian

Stratigraphy: Ererê Formation

Occurrence: Ererê, PA

Reference: 86,172,193,194,235,367,435

Plate and Size: 1(193),15mm

3 *Bellerophon steltzneri* Clarke, 1899

Age: Devonian, Emsian

Stratigraphy: Maecuru Formation

Occurrence: Curuá & Maecuru, PA

Reference: 193,194,235,435

Plate and Size: 1(193),10mm

Subgenus *Pharkidonotus* Girty, 1911

4 *Bellerophon (Pharkidonotus) amazonicus*

(Mendes, 1966) comb.n.

Age: Carboniferous, Westphalian

Stratigraphy: Itaituba Formation

Occurrence: Itaituba, PA

Reference: 267,269

Plate and Size: 1(267),22mm

Genus *Euphemites* Warthin, 1930

Synonymy: *Euphemus* McCoy, 1862

5 *Euphemites carbonarius* (Cox, 1857)

Age: Carboniferous, Westphalian

Stratigraphy: Itaituba Formation

Occurrence: Tapajós River, PA

Reference: 194,235

Plate and Size: 1(194),15mm

Genus *Warthia* Waagen, 1880

6 *Warthia catarinensis* Rocha Campos, 1970

Age: Permian, Kungurian-Kazanian

Stratigraphy: Rio Bonito Formation

Occurrence: Taió, SC

Reference: 73,259,319,371,394,398

Plate and Size: 1(398),11mm

Synonymy: *W. cf micromphalus*: Reed, 1930 non Morris

Genus *Ptomatis* Clarke, 1899

7 *Ptomatis forbesi* Clarke, 1899

Age: Devonian, Emsian

Stratigraphy: Maecuru Formation

Occurrence: Maecuru, PA

Reference: 86,100,192,193,194,235,435

Plate and Size: 1(193),25mm

8 *Ptomatis moreirai* Clarke, 1913

Age: Devonian, Eifelian-Frasnian

Stratigraphy: Ponta Grossa Formation

Occurrence: Ponta Grossa, PR

Reference: 73,88,217,235,215

Plate and Size: 1(88),40mm

Family SINUITIDAE

Genus *Bucanella* Meek, 1871

9 *Bucanella coutinhoana* (Hartt & Rathbun, 1875)

Age: Devonian, Eifelian-Givetian

Stratigraphy: Ererê Formation

Occurrence: Ererê, PA

Reference: 172,193,194,235,435

Plate and Size: 1(193),12mm

10 *Bucanella derbyi* (Clarke, 1899)

Age: EoDevonian, Emsian to Givetian

Stratigraphy: Maecuru & Pimenteiras Formations

Occurrence: Maecuru, PA; Picos, PI

Reference: 69,86,100,192,193,194,235,435

Plate and Size: 1(193),20mm

11 *Bucanella dereimsi* Knod, 1908
Age: Devonian, Eifelian to Frasnian
Stratigraphy: Ponta Grossa & Pimenteiras Formations
Occurrence: Ponta Grossa & Tibaji, PR; Picos, PI
Reference: 69,73,88,217,235,258,315
Plate and Size: 1(258),30mm

12 *Bucanella laticarinata* Knod, 1908
Age: Devonian, Eifelian-Frasnian
Stratigraphy: Ponta Grossa Formation
Occurrence: Ponta Grossa, PR
Reference: 73,88,211,217,235
Plate and Size: 1(88),25mm
Synonymy: *B. hapsideus* (Clarke, 1913)

13 *Bucanella reissi* Clarke, 1899
Age: Devonian, Emsian
Stratigraphy: Maecuru Formation
Occurrence: Maecuru, PA
Reference: 100,192,193,194,235,367,437
Plate and Size: 1(193),15mm

14 *Bucanella* (?) *salteri* (Clarke, 1899)
Age: Devonian, Emsian
Stratigraphy: Maecuru Formation
Occurrence: Maecuru, PA
Reference: 192,193,194,235,367,435
Plate and Size: 1(193),15mm

15 *Bucanella trilobata viramundo* Clarke, 1899
Age: Silurian, Ludlovian
Stratigraphy: Trombetas Formation
Occurrence: Oriximiná & Trombetas River, PA
Reference: 87,193,194,235
Plate and Size: 1(193),20mm

Family BUCANIIDAE

Genus *Bucania* Hall, 1847

16 *Bucania chapadensis* Ammon, 1893
Age: Devonian, Eifelian-Frasnian
Stratigraphy: Ponta Grossa Formation
Occurrence: Chapada do Guimarães, MT
Reference: 4,235,435
N.B.: never figured

17 *Bucania freitasi* Clarke, 1899
Age: Devonian, Emsian
Stratigraphy: Maecuru Formation
Occurrence: Maecuru, PA
Reference: 86,192,193,235,435
Plate and Size: 1(86),12mm

Genus *Tropidodiscus* Meek, 1866
Synonymy: *Tropidocyclus* Koninck, 1883

18 *Tropidodiscus gilletianus* (Hartt & Rathbun, 1875)
Age: Devonian, Eifelian-Givetian
Stratigraphy: Ererê Formation
Occurrence: Ererê, PA
Reference: 86,172,193,194,235,435
Plate and Size: 1(193),16mm

Superfamily PLEUROTOMARIOIDEA

Family EOTOMARIIDAE

Subfamily EOTOMARIINAE

Genus *Mourlonia* Koninck, 1883

19 *Mourlonia* (?) *oliveirai* Lange, 1952
Age: Carboniferous
Stratigraphy: Teixeira Soares Formation
Occurrence: Teixeira Soares, PR
Reference: 73,216,217,276
Plate and Size: 1(216),23mm

20 *Mourlonia tenuistriata* Beurlen in Lange, 1954
nomen nudum
Reference: 217,397

Genus *Euconospira* Ulrich, 1897

21 *Euconospira brasiliensis* Mendes, 1966
Age: Carboniferous, Westphalian
Stratigraphy: Itaituba Formation
Occurrence: Itaituba, PA
Reference: 267,269
Plate and Size: 1(267),20mm

?Genus *Itaitubia* Mendes, 1966

22 *Itaitubia carinata* Mendes, 1966
Age: Carboniferous, Westphalian
Stratigraphy: Itaituba Formation
Occurrence: Itaituba, PA
Reference: 267,269
Plate and Size: 1(267),7mm

Subfamily NEILSONIINAE

Genus *Peruvispira* J.Chronic, 1949

23 *Peruvispira delicata* Chronic, 1949
Age: Carboniferous
Stratigraphy: Capivari Formation,
Tubarão Group

Occurrence: Capivari, SP
Reference: 283,288,396
Plate and Size: 1(396),9mm

Family PLEUROTOMARIIDAE

Genus *Pleurotomaria* DeFrance, 1826

24 *Pleurotomaria cf conoides* Meek & Worthen, 1866

Age: Carboniferous, Westphalian
Stratigraphy: Itaituba Formation
Occurrence: Tapajós River, PA
Reference: 114,235,255
Plate and Size: 1(114),50mm

25 *Pleurotomaria kayseri* Ulrich, 1892

Age: Devonian, Eifelian-Fransian
Stratigraphy: Tibaji Member, Ponta Grossa Formation
Occurrence: Tibaji, PR
Reference: 73,88,217,235,367,435
Plate and Size: 1(88),25mm

26 *Pleurotomaria cf marcouana* Geinitz

Doubtful identification
Reference: 119,235,267
N.B.: *Yunnanina*?: 267

27 *Pleurotomaria rochana* Hartt & Rathbun, 1875

Age: Devonian, Eifelian-Givetian
Stratigraphy: Ererê Formation
Occurrence: Ererê, PA
Reference: 86,172,193,194,235,435
Plate and Size: 1(235),5mm

28 *Pleurotomaria speciosa* Meek & Worthen, 1860

Doubtful identification
Reference: 119,235,254,267

29 *Pleurotomaria cf subdecussata* Geinitz
doubtful identification

Reference: 235

Genus *Trepospira* Ulrich & Scofield, 1897

30 *Trepospira cf depressa* Cox, 1857

Age: Carboniferous, Westphalian
Stratigraphy: Itaituba Formation
Occurrence: Tapajós River, PA
Reference: 166,235
Plate and Size: 2(166),16mm

Superfamily EUOMPHALOIDEA
Family EUOMPHALIDAE

Genus *Euomphalus* Sowerby, 1814

31 *Euomphalus batistai* Mendes, 1966

Age: Carboniferous, Westphalian
Stratigraphy: Itaituba Formation
Occurrence: Itaituba, PA
Reference: 119,235,267,269
Plate and Size: 2(267),22mm
Synonymy: *E. pentangulatus* Derby, 1894 *non*
Sowerby, 1814

32 *Euomphalus laxis* White, 1877

Age: Carboniferous, Westphalian
Stratigraphy: Itaituba Formation
Occurrence: Jatapu River, AM
Reference: 122,235
Plate and Size: 2(122),11mm

33 *Euomphalus sulcifer* Girty, 1908

Age: Carboniferous, Westphalian
Stratigraphy: Itaituba Formation
Occurrence: Jatapu River, AM
Reference: 122,165,235
Plate and Size: 2(122),10mm

Superfamily FISSURELLOIDEA
Family FISSURELLIDAE
Subfamily DIODORINAE

Genus *Diodora* Gray, 1821

34 *Diodora derbyi* (Maury, 1925)

Age: NeoOligocene-EoMiocene
Stratigraphy: Pirabas Formation
Occurrence: Pirabas, PA; Tiriáçu, MA
Reference: 73,147,149,150,235,243
Plate and Size: 2(243),21mm

35 *Diodora fortalezensis* Ferreira & Cunha, 1957

Age: NeoOligocene-EoMiocene
Stratigraphy: Pirabas Formation
Occurrence: Pirabas, PA
Reference: 147,148
Plate and Size: 2(147),10mm

36 *Diodora immortalis* (White, 1887)

Age: NeoOligocene-EoMiocene
Stratigraphy: Pirabas Formation
Occurrence: Pirabas, PA;
Barreirinhas, MA
Reference: 147,149,194,235,243,445

Plate and Size: 2(243),18mm

37 *Diodora siqueirai* Ferreira & Cunha, 1957

Age: NeoOligocene-EoMiocene

Stratigraphy: Pirabas Formation

Occurrence: Parnaíba, PI

Reference: 131,147

Plate and Size: 2(147),17mm

Superfamily PLATYCERATOIDEA

Family PLATYCERATIDAE

Genus *Platyceras* Conrad, 1840

38 *Platyceras coutoanus* Katzer, 1896

Age: Devonian, Emsian

Stratigraphy: Maecuru Formation

Occurrence: Maecuru, PA

Reference: 189,192,193,194,224,235,435

Plate and Size: 2(193),20mm

39 *Platyceras gracilis* Katzer, 1897

Age: Devonian, Emsian

Stratigraphy: Maecuru Formation

Occurrence: Maecuru, PA

Reference: 191,192,193,194,235,435

Plate and Size: 2(193),17mm

40 *Platyceras hartti* Clarke, 1899

Age: Devonian, Emsian

Stratigraphy: Maecuru Formation

Occurrence: Maecuru, PA

Reference: 86,192,193,194,235,435

Plate and Size: 2(193),14mm

41 *Platyceras hussaki* Clarke, 1899

Age: Devonian, Emsian

Stratigraphy: Maecuru Formation

Occurrence: Maecuru, PA

Reference: 192,193,194,235,435

Plate and Size: 2(193),15mm

42 *Platyceras meerwarthi* Katzer, 1897

Age: Devonian, Emsian

Stratigraphy: Maecuru Formation

Occurrence: Maecuru, PA

Reference: 191,192,193,194,235,435

Plate and Size: 2(193),20mm

43 *Platyceras paranaensis* Beurlen in Lange, 1954

Nomen nudum

Reference: 217,397

44 *Platyceras parvum* (Swallow, 1858)

Age: Carboniferous, Westphalian

Stratigraphy: Itaituba Formation

Occurrence: Tapajós River, PA

Reference: 119,164,194,235

Plate and Size: 2(194),20mm

Synonymy: *P. nebraskaensis* Meek, 1872

45 *Platyceras planiconus* Katzer, 1896

Age: Devonian, Emsian

Stratigraphy: Maecuru Formation

Occurrence: Maecuru, PA

Reference: 189,235

46 *Platyceras steinmanni* Clarke, 1899

Age: Devonian, Emsian

Stratigraphy: Maecuru Formation

Occurrence: Maecuru, PA

Reference: 192,193,194,235,435

Plate and Size: 2(193),20mm

47 *Platyceras subconicum* Katzer, 1897

Age: Devonian, Emsian

Stratigraphy: Maecuru Formation

Occurrence: Maecuru, PA

Reference: 191,193,194,235,435

Plate and Size: 2(193),19mm

48 *Platyceras symmetricum* Hall, 1861

Age: Devonian, Eifelian-Givetian

Stratigraphy: Ererê Formation

Occurrence: Ererê, PA

Reference: 86,89,192,193,194,235,435

Plate and Size: 2(193),19mm

N.B.: a subspecies *P. s. maecuruense* Clarke, 1899

49 *Platyceras tschernyschewi* Katzer, 1897

Age: Devonian, Emsian

Stratigraphy: Maecuru Formation

Occurrence: Maecuru, PA

Reference: 191,192,193,194,235,435

Plate and Size: 2(193),10mm

50 *Platyceras whitei* Clarke, 1899

Age: Devonian, Emsian

Stratigraphy: Maecuru Formation

Occurrence: Maecuru, PA

Reference: 86,192,193,235,435

Plate and Size: 2(193),10mm

51 *Platyceras whitei curua* Clarke, 1899

Age: Devonian, Frasnian-Strunian

Stratigraphy: Curuá Formation

Occurrence: Curuá & Maecuru, PA

Reference: 86,193,194,235,435
Plate and Size: 2(194),17mm

Genus *Platyostoma* Conrad, 1842

52 *Platyostoma* (?) *agassizi* (Clarke, 1899)
Age: Devonian, Emsian
Stratigraphy: Maecuru Formation
Occurrence: Maecuru, PA
Reference: 86,192,193,235,435
Plate and Size: 2(86),20mm

53 *Platyostoma baini* (Sharpe, 1856)
Age: Devonian, Eifelian-Frasnian
Stratigraphy: Ponta Grossa Formation
Occurrence: Chapada do Guimarães, MT
Reference: 235,367

54 *Platyostoma darwini* (Clarke, 1899)
Age: Devonian, Emsian
Stratigraphy: Maecuru Formation
Occurrence: Maecuru & Curuá, PA
Reference: 86,100,192,194,235,435
Plate and Size: 2(86),23mm

55 *Platyostoma furmanianum* (Hartt & Rathbun, 1875)
Age: Devonian, Eifelian-Givetian
Stratigraphy: Ererê Formation
Occurrence: Ererê, PA
Reference: 86,172,193,194,235,435
Plate and Size: 2(193),22mm

56 *Platyostoma paranensis* (Lange, 1943)
Age: Devonian, Eifelian-Frasnian
Stratigraphy: Ponta Grossa Formation
Occurrence: Ponta Grossa, PR
Reference: 214,217,235
Plate and Size: 2(214),9mm

Genus *Strophostylus* Hall, 1859

57 *Strophostylus varians* Hall, 1859
Age: Devonian, Emsian
Stratigraphy: Maecuru Formation
Occurrence: Maecuru, PA
Reference: 191,192,193,194,235,435
Plate and Size: 2(193),20mm

Superfamily TROCHONEMATOIDEA
Family AMBERLEYIDAE

Genus *Eucyclus* Deslongchamps, 1860

58 *Eucyclus* cf. *lapeyrousei* d'Archiac
Age: Cretaceous, Cenomanian
Stratigraphy: Cotinguiba Formation
Occurrence: Laranjeiras, SE
Reference: 13

Superfamily TROCHOIDEA
Family TROCHIDAE
Subfamily CALLIOSTOMATINAE

Genus *Calliostoma* Swainson, 1840

59 *Calliostoma cirrus* (White, 1887)
Age: NeoOligocene-EoMiocene
Stratigraphy: Pirabas Formation
Occurrence: Pirabas, PA
Reference: 194,235,243,445
Plate and Size: 2(243),27mm

60 *Calliostoma pirabicum* Maury, 1925
Age: NeoOligocene-EoMiocene
Stratigraphy: Pirabas Formation
Occurrence: Pirabas, PA
Reference: 73,235,243
Plate and Size: 2(243),12mm

61 *Calliostoma retectum* (White, 1887)
Age: NeoOligocene-EoMiocene
Stratigraphy: Pirabas Formation
Occurrence: Pirabas, PA; Turiaçu, MA
Reference: 148,150,194,235,243,445
Plate and Size: 2(239),17mm

Genus *Astele* Swainson, 1855
Synonymy: *Eutrochus* A. Adams, 1864

62 *Astele decamposi* (Maury, 1925) comb.n.
Age: NeoOligocene-EoMiocene
Stratigraphy: Pirabas Formation
Occurrence: Pirabas, PA; Parnaíba, PI
Reference: 73,148,235,243
Plate and Size: 2(243),25mm

63 *Astele derbyi* (Maury, 1925) comb.n.
Age: NeoOligocene-EoMiocene
Stratigraphy: Pirabas Formation
Occurrence: Pirabas, PA; Parnaíba, PI; Barreirinhas, MA
Reference: 73,131,148,149,212,235,243
Plate and Size: 2(243),30mm

Subfamily HALISTYLINAE

Genus *Halistylus* Dall, 1890

64 *Halistylus columna* Dall, 1890
Age: Miocene to Recent
Stratigraphy: Pelotas Basin
Occurrence: Pelotas, RS
Reference: 91,392
Plate and Size: 2(392),6mm

Family TURBINIDAE
Subfamily TURBININAE

Genus *Turbo* Linné, 1758

65 *Turbo portentus* White, 1887
Age: Cretaceous, Albion-Cenomanian
Stratigraphy: Riachuelo Formation
Occurrence: Marum, SE
Reference: 235,249,313,445
Plate and Size: 2(445),55mm

Subgenus *Taeniaturbo* Woodring, 1928

66 *Turbo (Taeniaturbo) brasiliensis* (Ferreira & Cunha, 1957)
Age: EoMiocene
Stratigraphy: Pirabas Formation
Occurrence: Parnaíba, PI
Reference: 131
Plate and Size: 3(131),35mm

Subfamily HOMALOPOMATINAE

Genus *Leptothyra* Pease, 1869

67 *Leptothyra philipi* Ihering in Cossmann, 1899
Age: Miocene
Stratigraphy: Pelotas Basin
Occurrence: Cassapi, Pelotas, RS
Reference: 101,181,241,357
Plate and Size: 3(101),8mm

Subfamily ASTRAEINAE

Genus *Astraea* Röding, 1798

68 *Astraea brasiliensis* Ferreira & Cunha, 1957
Age: EoMiocene
Stratigraphy: Pirabas Formation
Occurrence: Pirabas, PA
Reference: 147
Plate and Size: 3(147),25mm

Suborder NERITOMORPHA
Superfamily NERITOIDEA
Family NERITIDAE

Subfamily NERITINAE

Genus *Nerita* Linné, 1758
Subgenus *Theliostyla* Mörch, 1852

69 *Nerita (Theliostyla) limata* White, 1887
Age: Paleocene
Stratigraphy: Maria Farinha Formation
Occurrence: Maria Farinha, PE
Reference: 77,235,445
Plate and Size: 3(445),27mm

70 *Nerita (Theliostyla) rinctus* White, 1887
Age: Paleocene
Stratigraphy: Maria Farinha Formation
Occurrence: Maria Farinha, PE
Reference: 77,235,445
Plate and Size: 3(445),27mm

Genus *Neritina* Lamarck, 1816

71 *Neritina etheridgei* Roxo, 1924
Age: Pliocene
Stratigraphy: Pebas Formation
Occurrence: Canamá & Três Unidos, AM
Reference: 126,127,224,235,403
Plate and Size: 3(403),18mm
Synonymy: *N. ziczac* Etheridge, 1879 nom. pre-occupied

72 *Neritina prolabiata* White, 1887
Age: Cretaceous, Alagoan
Stratigraphy: Bahia Group
Occurrence: Pojua & Monserrate, BA
Reference: 235,445
Plate and Size: 3(445),7mm

73 *Neritina puncta* Etheridge, 1879
Age: Pliocene
Stratigraphy: Pebas Formation
Occurrence: Canamá, AM
Reference: 126,127,235,403
Plate and Size: 3(126),15mm

Genus *Puperita* Gray, 1857 #

74 *Puperita pupa* (Linne', 1758)
Age: Pliocene to Recent
Stratigraphy: Pebas Formation
Occurrence: Javari River, Três Unidos, AM
Reference: 161,235,403,448
Plate and Size: 3(161),15mm
Synonymy: *Neritina ortonii*: Gabb, 1868 non Conrad

Genus *Neritoma* Morris, 1849
Subgenus *Neridomus* Morris & Lycett, 1850

75 *Neritoma* (*Neridomus*) *percrassa* (White, 1887)
comb.n.

Age: Paleocene
Stratigraphy: Maria Farinha Formation
Occurrence: Maria Farinha, PE
Reference: 235,445
Plate and Size: 3(445),60mm

Genus *Otostoma* Archiac, 1859

76 *Otostoma* *assuana* (Maury, 1925)
Age: Cretaceous, Turonian-Maastrichtian
Stratigraphy: Jandaira Formation
Occurrence: Macau & Mossoró, RN
Reference: 32,40,73,235,243
Plate and Size: 3(243),17mm

77 *Otostoma* *exuberata* (White, 1887)
Age: Paleocene
Stratigraphy: Maria Farinha Formation
Occurrence: Maria Farinha, PE
Reference: 77,235,445,447
Plate and Size: 3(445),30mm

Subgenus *Lyosoma* White, 1880

78 *Otostoma* (*Lyosoma*) *squamosa* (White, 1887)
comb.n.
Age: Cretaceous, Albian-Cenomanian
Stratigraphy: Riachuelo Formation
Occurrence: Maruim, SE
Reference: 235,249,445
Plate and Size: 3(445),8mm

Family NERITOPSIDAE
Subfamily NERITOPSINAE

Genus *Neritopsis* Grateloup, 1832

79 *Neritopsis* *electra* White, 1887
Age: Paleocene
Stratigraphy: Maria Farinha Formation
Occurrence: Maria Farinha, PE
Reference: 77,235,445
Plate and Size: 3(445),20mm

Subfamily NATICOPSINAE

Genus *Strophostylus* Hall, 1859

80 *Strophostylus* *nanus* (Meek & Worthen, 1860)

Age: Carboniferous, Westphalian
Stratigraphy: Itaituba Formation
Occurrence: Tapajós River, PA
Reference: 119,164,235,254
Plate and Size: 3(164),10mm

Family ITIERIIDAE

Genus *Peruviella* Olsson, 1944

81 *Peruviella* *dolium* (Romer, 1849)
Age: Cretaceous, Albian-Cenomanian
Stratigraphy: Riachuelo Formation
Occurrence: Maruim, SE
Reference: 73,76,235,249
Plate and Size: 3(76),50mm
Synonymy: *P. gerthi* Olsson, 1979; *Trochactaeon* *sergipensis* Maury, 1937

Order MESOGASTROPODA
Superfamily VIVIPAROIDEA
Family VIVIPARIDAE #
Subfamily VIVIPARINAE

Genus *Viviparus* Montfort, 1810

82 *Viviparus* *souzaei* Mezzalana, 1974
Age: Cretaceous, Senonian
Stratigraphy: Bauru Formation
Occurrence: Madeira, GO
Reference: 281
Plate and Size: 3(281),10mm

Genus *Lioplacodes* Meek & Hayden, 1864

83 *Lioplacodes* *lacerdae* (Hartt, 1870)
Age: Cretaceous, Alagoan
Stratigraphy: Bahia Group
Occurrence: Monserrate & Irará, BA
Reference: 115,116,235,256,342,445
Plate and Size: 3(445),20mm

84 *Lioplacodes* *williamsii* (Hartt, 1870)
Age: Cretaceous, Alagoan
Stratigraphy: Bahia Group
Occurrence: Monserrate & Irará, BA
Reference: 115,116,235,256,342,445
Plate and Size: 3(445),20mm

Superfamily LITTORINOIDEA
Family LITTORINIDAE
Subfamily LACUNINAE

Genus *Lacuna* Turton, 1827

Subgenus *Eubora* Kadolsky, 1980

85 *Lacuna (Eubora) bella* (Conrad, 1870)

Age: Pliocene

Stratigraphy: Pebas Formation,

Occurrence: Três Unidos, AM

Reference: 235,403,448

Plate and Size: 3(403),10mm

86 *Lacuna (Eubora) woodwardi* Kadolsky, 1980

Age: Pliocene

Stratigraphy: Pebas Formation

Occurrence: Três Unidos & Atalaia do Norte, AM

Reference: 96,102,103,235,403,448

Plate and Size: 3(102),8mm

Synonymy: *Ebora cassilabra*: Woodward, 1924
non Conrad, 1871

Genus *Toxosoma* Conrad, 1874

87 *Toxosoma eboreum* Conrad, 1874

Age: Pliocene

Stratigraphy: Pebas Formation

Occurrence: Canamá, Olivença & Três Unidos, AM

Reference: 96,102,103,126,127,188,235,403

Plate and Size: 3(188),7mm

Synonymy: *Pseudolacuna macroptera* Bottger,
1878; *Lyosoma curta* Conrad, 1874

Superfamily RISSOIDEA

Family HYDROBIIDAE

Subfamily HYDROBIINAE

Genus *Hydrobia* Hartmann, 1821 #

88 *Hydrobia dubia* Etheridge, 1879

Age: Pliocene

Stratigraphy: Pebas Formation

Occurrence: Juruá River, Canamá & Três Unidos,
AM

Reference: 126,127,235,403,405

Plate and Size: 3(126),8mm

89 *Hydrobia lintea* (Conrad, 1871)

Age: Pliocene

Stratigraphy: Pebas Formation

Occurrence: Três Unidos & S.P. Olivença, AM

Reference: 102,103,235,403,448

Plate and Size: 3(103),13mm

90 *Hydrobia ortonii* (Gabb, 1868)

Age: Pliocene

Stratigraphy: Pebas Formation

Occurrence: Atalaia do Norte & Três Unidos, AM

Reference: 102,103,161,235,403

Plate and Size: 4(102),10mm

91 *Hydrobia (?) prudentinensis* Mezzalana, 1974

Age: Cretaceous, Senonian

Stratigraphy: Bauru Group

Occurrence: Presidente Prudente, SP

Reference: 281,283

Plate and Size: 4(281),7mm

92 *Hydrobia tricarinata* Boettger, 1878

Age: Pliocene

Stratigraphy: Pebas Formation

Occurrence: Canamá & Três Unidos, AM

Reference: 102

Plate and Size: 4(102),8mm

Subfamily LITTORIDININAE

Genus *Littoridina* Eydoux & Souleyet, 1852

93 *Littoridina (?) crassa* (Etheridge, 1879)

Age: Pliocene

Stratigraphy: Pebas Formation

Occurrence: Canamá, AM

Reference: 126,127,188,235,403

Plate and Size: 4(188),6mm

Genus *Dyris* Conrad, 1871

94 *Dyris gracilis* Conrad, 1871

Age: Pliocene

Stratigraphy: Pebas Formation

Occurrence: Canamá & Olivença, AM

Reference: 102,126,127,235,403,448

Plate and Size: 4(235),10mm

Genus *Tryonia* Stimpson, 1865

Synonymy: *Liris* Conrad, 1871

95 *Tryonia laqueata* (Conrad, 1871) comb.n.

Age: Pliocene

Stratigraphy: Pebas Formation

Occurrence: Amazonas Valley

Reference: 235,403

96 *Tryonia minuscula* (Gabb, 1868) comb.n.

Age: Pliocene

Stratigraphy: Pebas Formation

Occurrence: Javari River, Atalaia do Norte, Três
Unidos & Canamá, AM

Reference: 102,103,126,127,161,235,403,449

Plate and Size: 4(449),64mm

Synonymy: *Melania scarioides* Etheridge, 1879

Superfamily CERITHIOIDEA
Family THIARIIDAE
Subfamily THIARIINAE

Genus *Aylacostoma* Spix, 1827

Synonymy: *Hemisinus* Swainson, 1840

N.B.: the species referred to *Melania* Lamarck, 1799 and *Thiara* Röding, 1798 (both absent in Neotropical area) were placed in this genus.

97 *Aylacostoma bicarinata* (Etheridge, 1879)

comb.n.

Age: Pliocene

Stratigraphy: Pebas Formation

Occurrence: Canamá, AM

Reference: 126,127,235,403

Plate and Size: 4(126),30mm

98 *Aylacostoma catandubica* (Maury, 1934) comb.n.

Age: Cretaceous, Turonian

Stratigraphy: ?

Occurrence: Lages, RN

Reference: 235,238

Plate and Size: 4(238),32mm

99 *Aylacostoma septecinctus* (Roxo, 1837)

Age: Pliocene

Stratigraphy: Pebas Formation

Occurrence: Juruá, AM

Reference: 235,405

Plate and Size: 4(405),9mm

100 *Aylacostoma tricarinata* (Etheridge, 1879)

comb.n.

Age: Pliocene

Stratigraphy: Pebas Formation

Occurrence: Canamá, AM

Reference: 126,127,235,403

Plate and Size: 4(126),30mm

Subgenus *Aylacostoma* s.s.

101 *Aylacostoma* (*Aylacostoma*) *browni*

(Etheridge, 1879)

Age: Pliocene

Stratigraphy: Pebas Formation

Occurrence: Canamá & Três Unidos, AM

Reference: 103,126,127,235,403,448

Plate and Size: 4(126),20mm

Synonymy: *Hemisinus sulcatus* Conrad, 1871

Subgenus *Longiverena* Pilsbry & Olsson, 1935

102 *Aylacostoma* (*Longiverena*) *coronata*

(Etheridge, 1879)

Age: Pliocene

Stratigraphy: Pebas Formation

Occurrence: Javari River & Três Unidos, AM

Reference: 73,103,235,403,414,448

Plate and Size: 4(414),40mm

Subgenus *Verena* H. & A. Adams, 1854

103 *Aylacostoma* (*Verena*) *woodwardi* (Roxo, 1924)

Age: Pliocene

Stratigraphy: Pebas Formation

Occurrence: Javari River & Três Unidos, AM

Reference: 73,235,403,414

Plate and Size: 4(403),30mm

Genus *Sheppardiconcha* Marshall & Bowles, 1934

104 *Sheppardiconcha* cf *bibliana* Marshall & Bowles, 1934

Age: Pliocene

Stratigraphy: Pebas Formation

Occurrence: Juruá River, AM

Reference: 238,405

Plate and Size: 4(238),21mm

Family CERITHIIDAE

Subfamily CERITHIINAE

Genus *Cerithium* Bruguière, 1798

105 *Cerithium* cf *austinense* Römer

Age: Cretaceous

Stratigraphy: Santana Formation

Occurrence: Chapada do Araripe

Reference: 223,454

106 *Cerithium branneri* White, 1887

Age: Paleocene

Stratigraphy: Maria Farinha Formation

Occurrence: Maria Farinha, PE

Reference: 235,445

Plate and Size: 4(445),50mm

107 *Cerithium calcivelatum* Maury, 1925

Age: NeoOligocene-EoMiocene

Stratigraphy: Pirabas Formation

Occurrence: Pirabas, PA

Reference: 73,235,243

Plate and Size: 4(243),30mm

108 *Cerithium freitasi* White, 1887

Age: Paleocene

Stratigraphy: Maria Farinha Formation

Occurrence: Maria Farinha, PE

- Reference: 235,445
Plate and Size: 4(445),70mm
- 109 *Cerithium gonzagae* Maury, 1925
Age: NeoOligocene-EoMiocene
Stratigraphy: Pirabas Formation
Occurrence: Pirabas, PA
Reference: 73,235,243
Plate and Size: 4(243),52mm
- 110 *Cerithium harttianum* White, 1887
Age: Paleocene
Stratigraphy: Maria Farinha Formation
Occurrence: Maria Farinha, PE
Reference: 235,445,448
Plate and Size: 4(445),54mm
Synonymy: *C. hartti* auctt.,err. typogr.
- 111 *Cerithium* (?) *jacoquea* (Jenkins, 1913)
Age: Cretaceous, Turonian-Maastrichtian
Stratigraphy: Jandaira Formation
Occurrence: Natal & Mirim, RN
Reference: 185,235,247
Plate and Size: 4(185),30mm
- 112 *Cerithium leei* Maury, 1925
Age: NeoOligocene-EoMiocene
Stratigraphy: Pirabas Formation
Occurrence: Pirabas, PA; Parnaíba, PI
Reference: 73,131,235,243
Plate and Size: 4(243),12mm
- 113 *Cerithium mirimense* Jenkins, 1913
Age: Cretaceous, Turonian-Maastrichtian
Stratigraphy: Jandaira Formation
Occurrence: Itapassaroça & Natal, RN
Reference: 35,185,235,247
Plate and Size: 4(185),15mm
- 114 *Cerithium pachecoi* Maury, 1925
Age: NeoOligocene-EoMiocene
Stratigraphy: Pirabas Formation
Occurrence: Pirabas, PA
Reference: 235,243
Plate and Size: 4(243),33mm
- 115 *Cerithium pedroanum* White, 1887
Age: Paleocene
Stratigraphy: Maria Farinha Formation
Occurrence: Maria Farinha, PE
Reference: 75,235,445
Plate and Size: 4(445),77mm
Synonymy: *C. p. isabelae* White, 1887
- 116 *Cerithium pirabicum* Maury, 1925
Age: NeoOligocene-EoMiocene
Stratigraphy: Pirabas Formation
Occurrence: Pirabas, PA
Reference: 73,235,243
Plate and Size: 5(243),40mm
- 117 *Cerithium riachuelanum* Maury, 1937
Age: Cretaceous, Albion-Cenomanian
Stratigraphy: Riachuelo Formation
Occurrence: Riachuelo, SE
Reference: 178,235,243
Plate and Size: 4(178),9mm
- 118 *Cerithium riachuelanum lyrae* Maury, 1937
Age: Cretaceous, Albion-Cenomanian
Stratigraphy: Riachuelo Formation
Occurrence: Engenho Lira, Riachuelo, SE
Reference: 73,235,249,313
Plate and Size: 4(249),10mm
- 119 *Cerithium sergipensis* Maury, 1937
Age: Cretaceous, Albion-Cenomanian
Stratigraphy: Riachuelo Formation
Occurrence: Riachuelo, SE
Reference: 73,235,249
Plate and Size: 4(249),15mm
- 120 *Cerithium spiculatum* White, 1887
Age: Cretaceous, Albion-Cenomanian
Stratigraphy: Riachuelo Formation
Occurrence: Maruim, SE
Reference: 235,313,445
Plate and Size: 5(445),11mm
- 121 *Cerithium tethys* White, 1887
Age: Paleocene
Stratigraphy: Maria Farinha Formation
Occurrence: Maria Farinha, PE
Reference: 235,445
Plate and Size: 5(445),45mm
- 122 *Cerithium thoas* White, 1887
Age: Cretaceous, Albion-Cenomanian
Stratigraphy: Riachuelo Formation
Occurrence: Maruim, SE
Reference: 36,235,249,313,445
Plate and Size: 5(445),23mm
- 123 *Cerithium varicis* White, 1887
Age: Paleocene
Stratigraphy: Maria Farinha Formation
Occurrence: Maria Farinha, PE
Reference: 75,235,445

Plate and Size: 5(445),10mm

Genus *Dirocerithium* Woodring & Stenzel, 1959

124 *Dirocerithium woodringi* Cassab, 1978

Age: Paleocene

Stratigraphy: Maria Farinha Formation

Occurrence: Maria Farinha, PE

Reference: 75,235,445

Plate and Size: 5(445),37mm

Synonymy: *Nerinea inaugurata*: White, 1887 non
Stoliczka, 1868; *Turritella nerinexa*: Harris, 1912

Genus *Rhinoclavis* Swainson, 1840 #

Synonymy: *Clava* Martin, 1784

125 *Rhinoclavis williamsi* (Maury, 1925) comb.n.

Age: NeoOligocene-EoMiocene

Stratigraphy: Pirabas Formation

Occurrence: Pirabas & Salinas, PA

Reference: 8,73,148,235,243

Plate and Size: 5(243),30mm

Subgenus *Ochetoclava* Woodring, 1928

126 *Rhinoclavis (Ochetoclava) aglaiae* (Maury, 1934)

Age: Cretaceous, Turonian-Maastrichtian

Stratigraphy: Jandaira Formation

Occurrence: Macau, RN

Reference: 35,235,247

Plate and Size: 5(247),12mm

127 *Rhinoclavis (Ochetoclava) terpena*
(Woodring, 1928)

Age: NeoOligocene-EoMiocene

Stratigraphy: Pirabas Formation

Occurrence: Parnaíba, PI

Reference: 131

Plate and Size: 5(131),20mm

Genus *Bittium* Leach in Gray, 1847

128 *Bittium praevarium* Ferreira, 1970

Age: NeoOligocene-EoMiocene

Stratigraphy: Pirabas Formation

Occurrence: São Marcos, MA

Reference: 139

Plate and Size: 5(139),5mm

Family CAMPANILIDAE #

Genus *Campanile* Bayle in Fischer, 1884

129 *Campanile brasiliense* (Maury, 1930) comb.n.

Age: Cretaceous, Campanian-Maastrichtian

Stratigraphy: Gramame Formation

Occurrence: Gramame River, João Pessoa, PB

Reference: 73,235,246,347

Plate and Size: 5(246),135mm

Genus *Serratocerithium* Vignal, 1897

130 *Serratocerithium buarquianum* (White, 1887)

Age: Paleocene

Stratigraphy: Maria Farinha Formation

Occurrence: Maria Farinha, PE

Reference: 224,235,445,447

Plate and Size: 5(445),70mm

Family DIASTOMATIDAE

Genus *Alabina* Dall, 1902

131 *Alabina asperoides* (Gabb, 1873)

Age: NeoOligocene-EoMiocene

Stratigraphy: Pirabas Formation

Occurrence: São Marcos, MA

Reference: 136,138,139,447

Plate and Size: 5(139),5mm

132 *Alabina canaliculata* (Gabb, 1873)

Age: NeoOligocene-EoMiocene

Stratigraphy: Pirabas Formation

Occurrence: Alcântara, MA

Reference: 136,356

Plate and Size: 5(356),5mm

Family POTAMIDIDAE

Subfamily POTAMIDINAE #

Genus *Potamides* Brongniart, 1810

133 *Potamides suprasulcatus* (Gabb, 1873)

Age: NeoOligocene-EoMiocene

Stratigraphy: Pirabas Formation

Occurrence: Parnaíba, PI

Reference: 131,447

Plate and Size: 5(131),10mm

134 *Potamides woodringi* Ferreira, 1964

Age: NeoOligocene-EoMiocene

Stratigraphy: Pirabas Formation

Occurrence: Parnaíba, PI

Reference: 131

Plate and Size: 5(131),12mm

Genus *Pyrasmus* Montfort, 1810

135 *Pyrasmus rioassuanum* (Maury, 1925)

Age: Cretaceous, Turonian-Maastrichtian
Stratigraphy: Jandaíra Formation
Occurrence: Mossoró & Pendência, RN
Reference: 35,40,73,235,243
Plate and Size: 5(243),43mm

Genus *Vicarya* Archiac & Haime, 1854

136 *Vicarya* (?) *daphne* White, 1887
Age: Paleocene
Stratigraphy: Maria Farinha Formation
Occurrence: Maria Farinha, PE
Reference: 235,445
Plate and Size: 5(445),20mm

137 *Vicarya* (?) *sappho* White, 1887
Age: Paleocene
Stratigraphy: Maria Farinha Formation
Occurrence: Maria Farinha, PE
Reference: 235,445
Plate and Size: 5(445),28mm

Family PLEUROCERIDAE
Subfamily PLEUROCERINAE

Genus *Pleurocera* Rafinesque, 1818

138 *Pleurocera nicolayana* (Hartt, 1870)
Age: Cretaceous, Aptian-Albian
Stratigraphy: Ilhas Formation
Occurrence: Monserrate, BA
Reference: 235,452

Subfamily MELANATRIINAE

Genus *Pachychilus* Lea, 1850

139 *Pachychilus terebriformis* (Morris, 1859)
Age: Cretaceous
Stratigraphy: Bahia Group
Occurrence: Monserrate, BA
Reference: 235,342,445
Plate and Size: 5(445),17mm

Family TURRITELLIDAE
Subfamily TURRITELLINAE

Genus *Turritella* Lamarck, 1799

140 *Turritella* (?) *acuticarinata* White, 1887
Age: Paleocene
Stratigraphy: Maria Farinha Formation
Occurrence: Maria Farinha, PE
Reference: 235,442

Plate and Size: 5(442),38mm

141 *Turritella agronomica* Maury, 1925
Age: NeoOligocene-EoMiocene
Stratigraphy: Pirabas Formation
Occurrence: Estação Agronômica, PA; Parnaíba, PI; São Marcos, MA
Reference: 73,131,149,235,243
Plate and Size: 5(243),50mm

142 *Turritella altiliroides* Maury, 1925
Age: NeoOligocene-EoMiocene
Stratigraphy: Pirabas Formation
Occurrence: Pirabas, PA
Reference: 73,148,235,243
Plate and Size: 5(243),29mm
Synonymy: *T. altiliroides* auctt., err. typogr.

143 *Turritella antigona* Maury, 1930
Age: Cretaceous, Campanian-Maastrichtian
Stratigraphy: Gramame Formation
Occurrence: Gramame River, João Pessoa, PB
Reference: 73,235,246
Plate and Size: 5(246),18mm

144 *Turritella arethusa* Maury, 1930
Age: Cretaceous, Campanian-Maastrichtian
Stratigraphy: Gramame Formation
Occurrence: Gramame River, João Pessoa, PB
Reference: 73,235,246
Plate and Size: 5(246),30mm

145 *Turritella brunnhilda* Maury, 1930
Age: Cretaceous, Campanian-Maastrichtian
Stratigraphy: Gramame Formation
Occurrence: Gramame River, João Pessoa, PB
Reference: 73,235,246
Plate and Size: 6(246),105mm

146 *Turritella callizona* Maury, 1925
Age: NeoOligocene-EoMiocene
Stratigraphy: Pirabas Formation
Occurrence: Pirabas, PA; Parnaíba, PI; Turiaçu, MA
Reference: 73,131,148,150,235,243
Plate and Size: 6(243),85mm

147 *Turritella euphrosynes* Maury, 1934
Age: Cretaceous, Turonian-Maastrichtian
Stratigraphy: Jandaíra Formation
Occurrence: Macau, RN
Reference: 35,40,235,247
Plate and Size: 5(247),14mm

148 *Turritella humerosa whitei* Maury, 1925

- Age: Paleocene
Stratigraphy: Maria Farinha Formation
Occurrence: Maria Farinha, PE
Reference: 235,243,445,447
Plate and Size: 5(445),52mm
Synonymy: *T.elicita* White, 1887, nom.pre-occup.
- 149 *Turritella independenciae* Beurlen, 1964
Age: Cretaceous, Turonian
Stratigraphy: Açú Formation
Occurrence: Upanema, RN
Reference: 35,40
Plate and Size: 5(35),23mm
- 150 *Turritella ipubiensis* Leal, 1963 nomen nudum
Reference: 218,223
- 151 *Turritella itatigensis* Löfgreen, 1943
Age: Cretaceous, Santonian-Maastrichtian
Stratigraphy: Piaçabuçu Formation
Occurrence: Atalaia, Aracaju, SE
Reference: 73,226,235,303
Plate and Size: 5(226),20mm
- 152 *Turritella luciano* Leal 1963 nomen nudum
Reference: 218,223
- 153 *Turritella marahuana* Maury, 1925
Age: Cretaceous, Albion-Cenomanian
Stratigraphy: Algodões Formation
Occurrence: Marau, BA
Reference: 54,57,73,235,243
Plate and Size: 5(243),7mm
- 154 *Turritella meureri* Maury, 1925
Age: NeoOligocene-EoMiocene
Stratigraphy: Pirabas Formation
Occurrence: Pirabas, PA
Reference: 73,148,235,243
Plate and Size: 6(243),65mm
- 155 *Turritella minima* Oliveira, 1940
Age: Cretaceous, Albion-Maastrichtian
Stratigraphy: Riachuelo Formation
Occurrence: Calumbi River, SE
Reference: 73,235,322
Plate and Size: 5(322),6mm
- 156 *Turritella natalensis* Jenkins, 1913
Age: Cretaceous, Turonian
Stratigraphy: Açú Formation
Occurrence: Itapassaroca & Natal, RN
Reference: 35,185,235,243,247
Plate and Size: 5(243),40mm
- 157 *Turritella nodosa* F.Romer, 1841
Age: Cretaceous, Turonian-Santonian
Stratigraphy: Beberibe Formation
Occurrence: Beberibe, PE
Reference: 27,379
Plate and Size: 5(379),30mm
- 158 *Turritella paraensis* Maury, 1925
Age: NeoOligocene-EoMiocene
Stratigraphy: Pirabas Formation
Occurrence: Pirabas, PA
Reference: 73,148,235,243
Plate and Size: 5(243),30mm
- 159 *Turritella pedrinhensis* Maury, 1937
Age: Cretaceous, Albion-Cenomanian
Stratigraphy: Riachuelo Formation
Occurrence: Riachuelo, SE
Reference: 36,73,235,249,313
Plate and Size: 6(249)15mm
- 160 *Turritella pirabica* Maury, 1925
Age: NeoOligocene-EoMiocene
Stratigraphy: Pirabas Formation
Occurrence: Pirabas, PA; Turiaçu & Barreirinha, MA
Reference: 73,148,149,150,235,243
Plate and Size: 6(243),30mm
- 161 *Turritella rioassuana* Maury, 1925
Age: Cretaceous, Turonian-Maastrichtian
Stratigraphy: Jandaira Formation
Occurrence: Macau, RN
Reference: 40,235,243
Plate and Size: 6(243),15mm
- 162 *Turritella rosadoi* Beurlen, 1967
Age: Cretaceous, Turonian-Maastrichtian
Stratigraphy: Jandaira Formation
Occurrence: Mossoró, RN
Reference: 40
Plate and Size: 6(40),15mm
- 163 *Turritella soaresana* Hartt in White, 1887
Age: Paleocene
Stratigraphy: Maria Farinha Formation
Occurrence: Maria Farinha, PE
Reference: 235,243,348,445,447
Plate and Size: 6(445),43mm
- 164 *Turritella sulcigyrata* Pilsbry & Johnson, 1917
Age: NeoOligocene-EoMiocene
Stratigraphy: Pirabas Formation
Occurrence: Parnaíba, PI
Reference: 131,134

Plate and Size: 6(131),12mm

165 *Turritella sylviana* Hartt in White, 1887
Age: Paleocene
Stratigraphy: Maria Farinha Formation
Occurrence: Maria Farinha, PE
Reference: 235,243,348,445,447
Plate and Size: 6(445),16mm

166 *Turritella thaliae* Maury, 1934
Age: Cretaceous, Turonian-Maastrichtian
Stratigraphy: Jandaira Fomation
Occurrence: Macau, RN
Reference: 35,235,247
Plate and Size: 6(247),21mm

167 *Turritella totiumsancorum* Maury, 1930
Age: Cretaceous, Campanian-Maastrichtian
Stratigraphy: Gramame Formation
Occurrence: Gramame River, João Pessoa, PB
Reference: 73,235,246
Plate and Size: 6(246),22mm

Genus *Mesalia* Gray, 1847

168 *Mesalia hebe* White, 1887
Age: Cretaceous, Albion-Cenomanian
Stratigraphy: Riachuelo Formation
Occurrence: São Gonçalo, SE
Reference: 13,36,235,249,313,445
Plate and Size: 6(445),18mm

169 *Mesalia nettoana* White, 1887
Age: Paleocene
Stratigraphy: Maria Farinha Formation
Occurrence: Maria Farinha, PE
Reference: 235,445,447
Plate and Size: 6(445),43mm

170 *Mesalia rathbuni* (Maury, 1925)
Age: NeoOligocene-EoMiocene
Stratigraphy: Pirabas Formation
Occurrence: Pirabas, PA; Parnaíba, PI; Turiaçu, MA
Reference: 73,131,148,149,235,243
Plate and Size: 6(243),25mm

Subfamily CASSIOPINAE (39)

Genus *Gymnentome* Cossman, 1909

171 *Gymnentome carregozica* (Maury, 1937)
Age: Cretaceous, Albion-Cenomanian
Stratigraphy: Riachuelo Formation
Occurrence: Riachuelo, Laranjeiras & D. Pastora, SE
Reference: 13,36,39,73,235,249,313

Plate and Size: 6(39),50mm

172 *Gymnentome mauryae* Beurlen, 1964
Age: Cretaceous, Albion-Cenomanian
Stratigraphy: Riachuelo Formation
Occurrence: Riachuelo, SE
Reference: 39
Plate and Size: 6(39),35mm

173 *Gymnentome romualdoi* Beurlen, 1964
Age: Cretaceous, Albion-Cenomanian
Stratigraphy: Riachuelo Formation
Occurrence: Santana, SE
Reference: 39,223,230
Plate and Size: 6(39),55mm

Genus *Craginia* Stephenson, 1952

174 *Craginia araripensis* Beurlen, 1964
Age: Cretaceous, Albion
Stratigraphy: Santana Formation
Occurrence: Crato, PE
Reference: 39,223,230
Plate and Size: 6(39),35mm
N.B.: 2 forms: *C.a.alta* Beurlen and *C.a.lata* Beurlen

175 *Craginia ariquindai* Beurlen, 1964
Age: Cretaceous, Albion-Cenomanian
Stratigraphy: Riachuelo Formation
Occurrence: Estiva, SE
Reference: 39
Plate and Size: 6(39),21mm

176 *Craginia cf coalvillensis* (Meek)
see 179

177 *Craginia lyrice* (Maury, 1937)
Age: Cretaceous, Albion-Cenomanian
Stratigraphy: Riachuelo Formation
Occurrence: Riachuelo, Laranjeiras & D. Pastora, SE
Reference: 13,36,39,235,249
Plate and Size: 6(39),26mm

178 *Craginia sergipensis* (Maury, 1937)
Age: Cretaceous, Albion-Cenomanian
Stratigraphy: Riachuelo Formation
Occurrence: Riachuelo, SE
Reference: 36,39,235,249
Plate and Size: 6(39),45mm

179 *Craginia cf turriiformis* Stephenson, 1952
Age: Cretaceous, Turonian-Maastrichtian

Stratigraphy: Jandaira Formation

Occurrence: Upanema, RN

Reference: 35,39,40

Plate and Size: 6(39),40mm

N.B.: maybe a *C.coalvillensis* (Meek) synonymy

Family VERMETIDAE

Genus *Petaloconchus* H.C.Lea, 1843

Subgenus *Macrophragma* Carpenter, 1857

180 *Petaloconchus* (*Macrophragma*) *subvarians* Maury, 1925

Age: NeoOligocene-EoMiocene

Stratigraphy: Pirabas Formation

Occurrence: Pirabas, PA; São Marcos, MA

Reference: 73,136,139,148,149,235,243

Plate and Size: 6(243),37mm

Genus *Serpulorbis* Sacco, 1827

Synonymy: *Thylacodes* Mörch, 1862

181 *Serpulorbis amazonianus* (Maury, 1925)

Age: NeoOligocene-EoMiocene

Stratigraphy: Pirabas Formation

Occurrence: Pirabas, PA

Reference: 73,149,235,243

Plate and Size: 6(243),45mm

182 *Serpulorbis corticesculpturata* (Maury, 1925)

Age: NeoOligocene-EoMiocene

Stratigraphy: Pirabas Formation

Occurrence: Pirabas, PA

Reference: 73,149,235,243

Plate and Size: 6(243),68mm

Superfamily NERINEOIDEA

Family NERINEIDAE

Genus *Nerinea* Deshayes, 1827

183 *Nerinea biplicata* Beurlen, 1964

Age: Cretaceous, Turonian

Stratigraphy: Açú Formation

Occurrence: Mossoró, RN

Reference: 35,40

Plate and Size: 6(35),30mm

184 *Nerinea pontagrossensis* Oliveira, 1958

Age: Cretaceous, Turonian-Cenomanian

Stratigraphy: Jandaira Formation

Occurrence: Ponta Grossa, São Luiz, MA

Reference: 73,329

Plate and Size: 6(329),40mm

185 *Nerinea riachuelana* Maury, 1937

Age: Cretaceous, Albion-Cenomanian

Stratigraphy: Riachuelo Formation

Occurrence: Riachuelo, SE

Reference: 73,235,249,313

Plate and Size: 6(249),13mm

186 *Nerinea sagittaria* White, 1887

Age: Paleocene

Stratigraphy: Maria Farinha Formation

Occurrence: Maria Farinha, PE

Reference: 235,445

Plate and Size: 6(445),20mm

187 *Nerinea upanemensis* Beurlen, 1964

Age: Cretaceous, Turonian

Stratigraphy: Açú Formation

Occurrence: Chapada Apodi, RN

Reference: 35,40

Plate and Size: 6(35),25mm

Subgenus *Gonzagia* Maury, 1925

188 *Nerinea* (*Gonzagia*) *brasiliiana* Maury, 1925

Age: Cretaceous, Turonian-Maastrichtian

Stratigraphy: Jandaira Formation

Occurrence: Barbadinha & Pendência, RN

Reference: 35,40,73,235,243

Plate and Size: 6(243),120mm

189 *Nerinea* (*Gonzagia*) *coutinhoi* Maury, 1934

Age: Cretaceous, Turonian

Stratigraphy: Açú Formation

Occurrence: Mossoró, RN

Reference: 35,40,235,247

Plate and Size: 6(247),30mm

Subgenus *Aphanoptyxis* Cossmann, 1896

190 *Nerinea* (*Aphanoptyxis*) *mauryae* (Beurlen, 1964)

Age: Cretaceous, Turonian

Stratigraphy: Açú Formation

Occurrence: Mossoró, RN

Reference: 35,40

Plate and Size: 6(35),35mm

Subgenus *Plesioptygmatis* Böse, 1906

191 *Nerinea* (*Plesioptygmatis*) *mossoroensis* Beurlen, 1964

Age: Cretaceous, Turonian-Maastrichtian

Stratigraphy: Jandaira Formation

Occurrence: Mossoró, RN

Reference: 35,40

Plate and Size: 6(35),20mm

Subgenus *Ptygmatis* Sharpe, 1850

192 *Nerinea* (*Ptygmatis*) *baixadoleitensis* Maury, 1934

Age: Cretaceous, Turonian-Maastrichtian

Stratigraphy: Jandaíra Formation

Occurrence: Macau, RN

Reference: 35,40,235,247

Plate and Size: 6(247),9mm

193 *Nerinea* (*Ptygmatis*) *riograndensis* Maury, 1934

Age: Cretaceous, Turonian-Maastrichtian

Stratigraphy: Jandaíra Formation

Occurrence: Macau, RN

Reference: 35,40,235,247

Plate and Size: 6(247),21mm

194 *Nerinea* (*Ptygmatis*) *rosadoi* Beurlen, 1964

Age: Cretaceous, Turonian

Stratigraphy: Açú Formation

Occurrence: Mossoró, RN

Reference: 35,40

Plate and Size: 6(35),15mm

Genus *Nerinoides* Wenz, 1838

Synonymy: *Nerinella* Sharpe, 1850

195 *Nerinoides* *itaporangica* (Maury, 1937) comb.n.

Age: Cretaceous, Albian-Cenomanian

Stratigraphy: Riachuelo Formation

Occurrence: Itaporanga, SE

Reference: 13,73,235,249

Plate and Size: 6(249),15mm

Superfamily STROMBOIDEA

Family STROMBIDAE

Genus *Strombus* Linné, 1758

196 *Strombus* cf. *aldrichi* Dall, 1890

Age: NeoOligocene-EoMiocene

Stratigraphy: Pirabas Formation

Occurrence: Pirabas, PA

Reference: 235,243

Plate and Size: 7(243),20mm

197 *Strombus* (?) *dallianus* White, 1887

Age: Paleocene

Stratigraphy: Maria Farinha Formation

Occurrence: Maria Farinha, PE

Reference: 235,445

Plate and Size: 6(445),17mm

198 *Strombus* cf. *gigas* Linné, 1758 #

Age: NeoOligocene to Recent

Stratigraphy: Pirabas Formation

Occurrence: Pirabas, PA

Reference: 73,235,243

Plate and Size: 6(243),50mm

199 *Strombus* *goeldii* Ferreira & Cunha, 1957

Age: NeoOligocene-EoMiocene

Stratigraphy: Pirabas Formation

Occurrence: Pirabas, PA

Reference: 145

Plate and Size: 7(145),50mm

Genus *Calyptrophorus* Conrad, 1857

200 *Calyptrophorus* (?) *chelonitis* White, 1887

Age: Paleocene

Stratigraphy: Maria Farinha Formation

Occurrence: Maria Farinha, PE

Reference: 235,445,447

Plate and Size: 7(445),30mm

Genus *Orthaulax* Gabb, 1873

201 *Orthaulax* *brasiliensis* Maury, 1925

Age: NeoOligocene-EoMiocene

Stratigraphy: Pirabas Formation

Occurrence: Pirabas, PA

Reference: 73,235,243

Plate and Size: 7(243),43mm

202 *Orthaulax* *inornatus* Gabb, 1872

Age: NeoOligocene-EoMiocene

Stratigraphy: Pirabas Formation

Occurrence: Pirabas, PA

Reference: 135

Plate and Size: 7(135),60mm

203 *Orthaulax* cf. *pugnax* (Heilprin, 1887)

Age: NeoOligocene-EoMiocene

Stratigraphy: Pirabas Formation

Occurrence: Pirabas, PA; Barreirinha, MA

Reference: 73,135,149

Plate and Size: 7(135),46mm

Genus *Lambis* Röding, 1798 #

Synonymy: *Pterocera* Lamarck, 1799

204 *Lambis* cf. *decussata* (Zekeli)

Age: Cretaceous, Cenomanian-Coniacian

Stratigraphy: Cotinguiba Formation

Occurrence: Japarutuba, SE
Reference: 13

Genus *Rimella* Agassiz, 1840

205 *Rimella* (?) *delicatula* Penna, 1965
Age: Paleocene
Stratigraphy: Maria Farinha Formation
Occurrence: Maria Farinha, PE
Reference: 348
Plate and Size: 7(348), 19mm

Genus *Tibia* Röding, 1798 #
Subgenus *Hippochrenes* Montfort, 1810

206 *Tibia* (*Hippochrenes*) (?) *upanemensis* Beurlen, 1964
Age: Cretaceous, Turonian
Stratigraphy: Açú Formation
Occurrence: Mossoró, RN
Reference: 35, 40
Plate and Size: 7(35), 97mm

Family APORRAIDAE #

Genus *Aporrhais* Da Costa, 1778
Synonymy: *Chenopus* Philippi, 1836

207 *Aporrhais* *mauryae* Beurlen, 1964
Age: Cretaceous, Turonian
Stratigraphy: Açú Formation
Occurrence: Mossoró, RN
Reference: 35, 40
Plate and Size: 7(35), 60mm

Subgenus *Helicaulax* Gabb, 1868

208 *Aporrhais* (*Helicaulax*) *subgibbosus* (Pervinquiere, 1912?)
Age: Cretaceous, Turonian
Stratigraphy: Cotinguiba Formation
Occurrence: Japarutuba, SE
Reference: 13

Subgenus *Pterocerella* Meek, 1864

209 *Aporrhais* (*Pterocerella*) (?) *mossoroensis* (Beurlen, 1964) comb.n.
Age: Cretaceous, Turonian
Stratigraphy: Açú Formation
Occurrence: Mossoró, RN
Reference: 35, 40
Plate and Size: 7(35), 40mm

Genus *Anchura* Conrad, 1860

210 *Anchura* *infortunata* White, 1887
Age: Cretaceous, Albion, Cenomanian
Stratigraphy: Riachuelo Formation
Occurrence: Maruim, SE
Reference: 36, 196, 235, 445
Plate and Size: 7(445), 25mm

211 *Anchura* *roxoi* Oliveira, 1951
Age: Paleocene
Stratigraphy: Maria Farinha Formation
Occurrence: Olinda, PE
Reference: 323
Plate and Size: 7(323), 60mm

Genus *Drepanocheilus* Meek, 1864

212 *Drepanocheilus* *baixaleitensis* (Maury, 1934)
Age: Cretaceous, Turonian-Maastrichtian
Stratigraphy: Jandaira Formation
Occurrence: Macau, RN
Reference: 35, 40, 235, 247
Plate and Size: 7(35), 150mm

Superfamily CREPIDULOIDEA
Family CREPIDULIDAE

Genus *Crepidula* Lamarck, 1799

213 *Crepidula* *paranensis* Borchet, 1901
Age: Miocene
Stratigraphy: Pelotas Basin
Occurrence: Pelotas, RS
Reference: 47, 91
Plate and Size: 7(47), 37mm

214 *Crepidula* *protea* Orbigny, 1835
Age: Miocene to Recent
Stratigraphy: Pelotas Basin
Occurrence: Pelotas, RS
Reference: 91, 392
Plate and Size: 7(392), 30mm

Genus *Calyptraea* Lamarck, 1799

215 *Calyptraea* *aperta* (Solander, 1766)
Age: Paleocene to EoMiocene
Stratigraphy: Maria Farinha and Pirabas Formations
Occurrence: Maria Farinha, PE; Pirabas, PA; Turiaçu, MA
Reference: 148, 150, 235, 243, 445
Plate and Size: 7(445), 20mm
Synonymy: *C. olindensis* White, 1887

216 *Calyptraea centralis* (Conrad, 1841)
Age: NeoOligocene to Recent
Stratigraphy: Pirabas Formation
Occurrence: Pirabas, PA; Parnaíba, PI
Reference: 73,94,131,134,148,213,235,243,392
Plate and Size: 7(243),5mm

217 *Calyptraea nidulifera* White, 1887
Age: NeoOligocene-EoMiocene
Stratigraphy: Pirabas Formation
Occurrence: Pirabas, PA
Reference: 194,445
Plate and Size: 7(445),20mm

Genus *Crucibulum* Schumacher, 1817

218 *Crucibulum faustum* (White, 1887)
Age: NeoOligocene-EoMiocene
Stratigraphy: Pirabas Formation
Occurrence: Pirabas, PA; Parnaíba, PI
Reference: 73,131,147,148,194,235,243,445
Plate and Size: 7(445),17mm

Superfamily XENOPHOROIDEA
Family XENOPHORIDAE

Genus *Xenophora* Fisher, 1807

219 *Xenophora conchyliophora* (Born, 1780)
Age: Paleocene to Recent
Stratigraphy: Maria Farinha & Pirabas Formations
Occurrence: Maria Farinha, PE; Pirabas, PA
Reference: 73,94,134,148,194,235,243,358,392,445
Plate and Size: 7(445),23mm
Synonymy: *X.c. brasiliensis* (White, 1887)

220 *Xenophora vasconcellosi* Oliveira, 1957
Age: Cretaceous, Campanian-Maastrichtian
Stratigraphy: Gramame Formation
Occurrence: Olinda, PE
Reference: 73,327,330
Plate and Size: 7(327),16mm

Superfamily CYPRAEOIDEA
Family CYPRAEIDAE

Genus *Cypraea* Linné, 1758

221 *Cypraea azevedoi* Oliveira, 1957
Age: Cretaceous, Campanian-Maastrichtian
Stratigraphy: Gramame Formation
Occurrence: Olinda, PE
Reference: 73,327

Plate and Size: 8(327),20mm

222 *Cypraea macrovoluta* Ferreira & Cunha, 1957
Age: NeoOligocene-EoMiocene
Stratigraphy: Pirabas Formation
Occurrence: Pirabas, PA
Reference: 145,148
Plate and Size: 8(145),70mm

223 *Cypraea parahybensis* Maury, 1930
Age: Cretaceous, Campanian-Maastrichtian
Stratigraphy: Gramame Formation
Occurrence: Gramame River, João Pessoa, PB
Reference: 73,234,246
Plate and Size: 8(246),55mm

224 *Cypraea riachuelana* Maury, 1937
Age: Cretaceous, Albion-Cenomanian
Stratigraphy: Riachuelo Formation
Occurrence: Riachuelo, SE
Reference: 73,234,249
Plate and Size: 8(249),20mm

Subgenus *Muracypraea* Woodring, 1957

225 *Cypraea (Muracypraea) pennae* White, 1887
Age: NeoOligocene-EoMiocene
Stratigraphy: Pirabas Formation
Occurrence: Pirabas, PA; Turiaçu, MA
Reference: 73,148,149,150,194,235,243,445
Plate and Size: 8(445),40mm

Genus *Archicypraea* Schilder, 1926

226 *Archicypraea dalliana* (White)
Age: Paleocene
Stratigraphy: Maria Farinha Formation
Occurrence: Maria Farinha, PE
Reference: 447

Family OVULIDAE
Subfamily OVULINAE

Genus *Simnia* Risso, 1826

227 *Simnia gilliana* White, 1887
Age: Paleocene
Stratigraphy: Maria Farinha Formation
Occurrence: Maria Farinha, PE
Reference: 235,445
Plate and Size: 8(445),20mm

Superfamily NATICOIDEA
Family NATICIDAE
Subfamily NATICINAE

Genus *Natica* Scopoli, 1777

228 *Natica bulbulus* White, 1887

Age: Cretaceous, Albian-Cenomanian
Stratigraphy: Riachuelo Formation
Occurrence: Maruim, SE
Reference: 36,235,249,313,445
Plate and Size: 8(445),10mm

229 *Natica engenholryia* Maury, 1937

Age: Cretaceous, Albian-Cenomanian
Stratigraphy: Riachuelo Formation
Occurrence: Engenho Lira, SE
Reference: 13,36,73,235,249
Plate and Size: 8(249),55mm

230 *Natica eurydice* White, 1887

Age: NeoOligocene-EoMiocene
Stratigraphy: Pirabas Formation
Occurrence: Pirabas, PA
Reference: 73,148,194,235,243,445
Plate and Size: 8(445),35mm

231 *Natica parahybensis* Maury, 1930

Age: Cretaceous, Campanian-Maastrichtian
Stratigraphy: Gramame Formation
Occurrence: Gramame River, João Pessoa, PB
Reference: 73,234,246
Plate and Size: 8(246),70mm

Subgenus *Naticarius* Dumeril, 1800

232 *Natica (Naticarius) canrena* (Linné, 1758)

Age: NeoOligocene to Recent
Stratigraphy: Pirabas Formation
Occurrence: Pirabas, PA; São Marcos & Turiaçu, MA
Reference: 73,94,131,139,150,224,243,392
Plate and Size: 8(243),40mm

Subgenus *Stigmaulax* Mörch, 1852

233 *Natica (Stigmaulax) sulcata* (Born, 1778)

Age: NeoOligocene to Recent
Stratigraphy: Pirabas Formation
Occurrence: Pirabas, PA
Reference: 73,94,235,243,392
Plate and Size: 8(243), A20mm, B12mm
N.B.: 2 subspecies: (A) *N.s.kerux* Maury, 1925, and (B) *N.s.paraensis* Maury, 1925
Synonymy: *N.s.cerux* auct., err.typogr.

Subgenus *Tectonatica* Sacco, 1890

234 *Natica (Tectonatica) pusilla* Say, 1822

Age: NeoOligocene to Recent
Stratigraphy: Pirabas Formation
Occurrence: São Marcos, MA
Reference: 94,136,139,392
Plate and Size: 8(392),8mm

Subfamily GLOBULARIINAE

Genus *Tylostoma* Sharpe, 1849

235 *Tylostoma brasilianum* Maury, 1925

Age: Cretaceous, Albian to Maastrichtian
Stratigraphy: Açú, Jandaira & Algodões Formations
Occurrence: Barbadinha & Mossoró, RN; Marau, BA
Reference: 35,40,54,57,73,235,243,247,347,445
Plate and Size: 8(243),105mm
Synonymy: *T.brasiliense* auctt.,err.typogr.;
T.globosum: White, 1887 non Sharpe, 1849

236 *Tylostoma crandalli* Maury, 1925

Age: Cretaceous, Turonian-Maastrichtian
Stratigraphy: Açú & Jandaira Formations
Occurrence: Mossoró, Macau, Santana & Pendência, RN
Reference: 35,40,73,235,243,347
Plate and Size: 8(243),105mm

237 *Tylostoma increbescens* White, 1887

Age: Paleocene
Stratigraphy: Maria Farinha Formation
Occurrence: Maria Farinha, PE
Reference: 235,445
Plate and Size: 8(445),56mm

238 *Tylostoma materinum* White, 1887

Age: Cretaceous, Albian to Maastrichtian
Stratigraphy: Riachuelo, Gramame & Algodões Formations
Occurrence: Marau, BA; Gramame River, João Pessoa, PB; Maruim, SE
Reference: 54,57,73,235,246,249,313,419,445
Plate and Size: 8(445),60mm

239 *Tylostoma mauryae* Beurlen, 1964

Age: Cretaceous, Turonian
Stratigraphy: Açú Formation
Occurrence: Upanema, RN
Reference: 35,40
Plate and Size: 8(35),90mm
N.B.: maybe a *T.rochai* synonymy: 40

240 *Tylostoma minimum* (White, 1887)

Age: Cretaceous, Albion-Cenomanian
Stratigraphy: Riachuelo Formation
Occurrence: Maruim, SE
Reference: 13,36,235,249,313,445
Plate and Size: 8(445),32mm

241 *Tylostoma rochai* Ihering, 1907
Age: Cretaceous, Turonian
Stratigraphy: Açú Formation
Occurrence: Mossoró & Natal?, RN
Reference: 35,40,235,247
Plate and Size: 9(35),85mm

242 *Tylostoma whitei* Ihering, 1907
Age: Cretaceous, Albion to Maastrichtian
Stratigraphy: Jandaira & Riachuelo Formation
Occurrence: Santana, Barbadinha & Mossoró, RN;
Maruim, SE
Reference: 13,35,235,249,313,445
Plate and Size: 9(313),55mm
Synonymy: *T. torrubiae*: White, 1887 non Sharpe,
1842

Genus *Ampullina* Bowdich, 1822
Subgenus *Pseudamaura* Fisher, 1885
Synonymy: *Ampullospira* Harris, 1897

243 *Ampullina (Pseudamaura) bulbiformis*
(Sowerby, 1836)
Age: Cretaceous, Turonian
Stratigraphy: Cotinguiba Formation
Occurrence: Japarutuba & Laranjeiras, SE
Reference: 7,13,68,427,430
Plate and Size: 9(7),30mm

244 *Ampullina (Pseudamaura) whitei* (Cossmann,
1925) comb.n.
Age: Cretaceous, Albion-Cenomanian
Stratigraphy: Riachuelo Formation
Occurrence: Maruim, SE
Reference: 12,178,235,249,313,445
Plate and Size: 9(445),55mm
Synonymy: *A. praelonga*: Hyatt, 1870 non
Leymerie, 1842

Genus *Amaurellina* Fischer, 1885
Subgenus *Pachycrommium* Woodring, 1928

245 *Amaurellina (Pachycrommium) nativitatis*
(Maury, 1925) comb.n.
Age: Neogene-Eocene
Stratigraphy: Pirabas Formation
Occurrence: Pirabas, PA; São Marcos, MA
Reference: 73,139,224,235,243,445

Plate and Size: 9(243),40mm

Subfamily POLINICINAE

Genus *Polinices* Montfort, 1810

246 *Polinices entreriana* (Borchert, 1901)
Age: Miocene
Stratigraphy: Pelotas Basin
Occurrence: Pelotas, RS
Reference: 47,91
Plate and Size: 9(47),12mm

247 *Polinices mauryae* Beurlen, 1964
Age: Cretaceous, Turonian
Stratigraphy: Açú Formation
Occurrence: Mossoró, RN
Reference: 35,40
Plate and Size: 9(35),40mm

248 *Polinices stanislasmeyneri* Maury, 1917
Age: Neogene-Eocene
Stratigraphy: Pirabas Formation
Occurrence: São Marcos, Alcântara, MA
Reference: 136,244
Plate and Size: 9(244),30mm

Subgenus *Euspira* Agassiz, 1838

249 *Polinices (Euspira) sergipensis* Maury, 1937
Age: Cretaceous (Albion-Cenomanian) to
Paleocene
Stratigraphy: Riachuelo & Maria Farinha Formations
Occurrence: Maruim, SE; Maria Farinha, PE
Reference: 235,243,249,313,445
Plate and Size: 9(445),13mm
Synonymy: *Euspira pagoda*: White, 1887 non
Forbes, 1846

Genus *Lunatia* Gray, 1847

250 *Lunatia lunula* White, 1887
Age: Neogene-Eocene
Stratigraphy: Pirabas Formation
Occurrence: Pirabas, PA
Reference: 73,194,235,243,445
Plate and Size: 9(445),14mm

251 *Lunatia modica* (White, 1887)
Age: Neogene-Eocene
Stratigraphy: Pirabas Formation
Occurrence: Pirabas, PA
Reference: 194,235,243,445
Plate and Size: 9(445),15mm

252 *Lunatia scalata* Beurlen, 1964
Age: Cretaceous, Turonian
Stratigraphy: Açú Formation
Occurrence: Mossoró, RN
Reference: 35,40
Plate and Size: 9(35),45mm

253 *Lunatia sergipensis* (Maury, 1937)
Age: Cretaceous, Albian-Cenomanian
Stratigraphy: Riachuelo Formation
Occurrence: Maruim, SE
Reference: 36,235,249,445
Plate and Size: 9(445),70mm
Synonymy: *Tylostoma globosum*: White, 1887 non Sharpe

254 *Lunatia subhumerosa* White, 1887
Age: Cretaceous, Albian-Cenomanian
Stratigraphy: Riachuelo Formation
Occurrence: Maruim, SE
Reference: 13,36,224,235,249,445
Plate and Size: 9(249),56mm

Subfamily AMPULLOSPIRINAE

Genus *Amauropsis* Mörch, 1857

255 *Amauropsis sergipensis* Maury, 1937
Age: Cretaceous, Albian
Stratigraphy: Riachuelo Formation
Occurrence: Riachuelo, SE
Reference: 73,231,249
Plate and Size: 9(249),42mm

Subfamily SININAE

Genus *Sinum* Röding, 1798

256 *Sinum* cf. *gabbi* (Brown & Pilsbry, 1913)
Age: NeoOligocene-EoMiocene
Stratigraphy: Pirabas Formation
Occurrence: Barreirinha, MA
Reference: 149,187
Plate and Size: 9(187),25mm

Superfamily TONNOIDEA

Family CASSIDAE

Subfamily CASSINAE

Genus *Sconsia* Gray, 1847

257 *Sconsia felix* Maury, 1925
Age: NeoOligocene-EoMiocene
Stratigraphy: Pirabas Formation

Occurrence: Pirabas, PA
Reference: 73,325,243
Plate and Size: 9(243),20mm

Subfamily PHALIINAE

Genus *Phalium* Link, 1807

258 *Phalium paraensis* (Maury, 1925)
Age: NeoOligocene-EoMiocene
Stratigraphy: Pirabas Formation
Occurrence: Pirabas, PA
Reference: 73,148,235,243
Plate and Size: 9(243),43mm

Family FICIDAE

Genus *Ficus* Röding, 1798

259 *Ficus paraensis* White, 1887
Age: NeoOligocene-EoMiocene
Stratigraphy: Pirabas Formation
Occurrence: Pirabas & Salinas, PA; Parnaíba, PI
Reference: 8,73,131,148,194,235,243,445
Plate and Size: 10(243),41mm

Family CYMATIIDAE

Subfamily CYMATIINAE

Genus *Cymatium* Röding, 1798
Subgenus *Septra* Perry, 1810
Synonymy: *Simpulum* Mörch, 1852

260 *Cymatium (Septra) carlotae* (Ferreira & Cunha, 1957) comb.n.
Age: NeoOligocene-EoMiocene
Stratigraphy: Pirabas Formation
Occurrence: Pirabas, PA
Reference: 145
Plate and Size: 9(145),40mm

261 *Cymatium (Septra) chlorostomoides* (Maury, 1925) comb.n.
Age: NeoOligocene-EoMiocene
Stratigraphy: Pirabas Formation
Occurrence: Pirabas, PA
Reference: 235,243
Plate and Size: 9(243),24mm

262 *Cymatium (Septra) infelix* (Maury, 1925) comb.n.
Age: NeoOligocene-EoMiocene
Stratigraphy: Pirabas Formation
Occurrence: Pirabas, PA

Reference: 235,243
Plate and Size: 9(243),23mm

Suborder HETEROGLOSSA
Superfamily CERITHIOPSOIDEA
Family CERITHIOPSIDAE

Genus *Monroea* Stephenson, 1952 (429)

263 *Monroea mossoroensis* Beurlen, 1964
Age: Cretaceous, Turonian
Stratigraphy: Jandaira Formation
Occurrence: Mossoró, RN
Reference: 35,40
Plate and Size: 9(35),15mm

Superfamily EPITONIOIDEA
Family EPITONIIDAE
Subfamily EPITONIINAE

Genus *Epitonium* Röding, 1798

264 *Epitonium gardneri* (White, 1887)
Age: Paleocene
Stratigraphy: Maria Farinha Formation
Occurrence: Maria Farinha, PE
Reference: 235,445
Plate and Size: 9(445),20mm

265 *Epitonium pyrene* (White, 1887)
Age: Cretaceous, Albian-Cenomanian
Stratigraphy: Riachuelo Formation
Occurrence: Jacaranha & Riachuelo, SE
Reference: 13,34,36,73,235,249,313,445
Plate and Size: 9(445),10mm
Synonymy: *E. riachuelanum* Maury, 1937

266 *Epitonium smalli* Leal, 1963
nomen nudum
Reference: 218,223

Subgenus *Asperiscala* de Boury, 1909

267 *Epitonium (Asperiscala) novangliae*
(Couthouy, 1838)
Age: Miocene to Recent
Stratigraphy: Pelotas Basin
Occurrence: Pelotas, RS
Reference: 91,392
Plate and Size: 9(392),14mm

268 *Epitonium (Asperiscala) tenuistriatum*
(Orbigny, 1840)

Age: Miocene to Recent
Stratigraphy: Pelotas Basin
Occurrence: Pelotas, RS
Reference: 91,392
Plate and Size: 9(392),28mm

Superfamily EULIMOIDEA
Family EULIMIDAE

Genus *Strombiformis* da Costa, 1778 (?)

269 *Strombiformis dalli* Gardner & Aldrich, 1919
Age: Miocene
Stratigraphy: Pelotas Basin
Occurrence: Pelotas, RS
Reference: 91,335
Plate and Size: 9(335),9mm

Order NEOGASTROPODA
Superfamily MURICOIDEA
Family MURICIDAE
Subfamily MURICINAE

Genus *Murex* Linné, 1759

270 *Murex messorius* Sowerby, 1841
Age: NeoOligocene to Recent
Stratigraphy: Pirabas Formation
Occurrence: Pirabas, PA
Reference: 235,243,392,445
Plate and Size: 10(243),37mm
Synonymy: *M. subtilis* White, 1887

271 *Murex pennae* Maury, 1925
Age: NeoOligocene-EoMiocene
Stratigraphy: Pirabas Formation
Occurrence: Pirabas, PA
Reference: 235,243
Plate and Size: 10(243),45mm

272 *Murex recurvirostris* Broderip, 1832
Age: NeoOligocene to Recent
Stratigraphy: Pirabas Formation
Occurrence: Pirabas, PA
Reference: 446,447
Plate and Size: 10(446),45mm

273 *Murex toreia* Maury, 1925
Age: NeoOligocene-EoMiocene
Stratigraphy: Pirabas Formation
Occurrence: Pirabas, PA
Reference: 73,235,243
Plate and Size: 10(243),23mm

274 *Murex williamsi* Maury, 1925
Age: NeoOligocene-EoMiocene
Stratigraphy: Pirabas Formation
Occurrence: Pirabas, PA
Reference: 73,148,235,243
Plate and Size: 10(243),34mm

275 *Murex yaquensis* Maury, 1925
Age: NeoOligocene-EoMiocene
Stratigraphy: Pirabas Formation
Occurrence: Pirabas, PA
Reference: 73,235,243
Plate and Size: 10(243),18mm

Genus *Chicoreus* Montfort, 1810

276 *Chicoreus brevifrons* (Lamarck, 1822)
Age: NeoOligocene to Recent
Stratigraphy: Pirabas Formation
Occurrence: Pirabas, PA
Reference: 73,94,134,148,235,243,277,392
Plate and Size: 10(243),45mm
Synonymy: *C. cornurectus*: Maury, 1925 non Guppy, 1876

Subfamily TROPHONINAE

Genus *Trophon* Montfort, 1810

277 *Trophon progne* White, 1887
Age: Paleocene
Stratigraphy: Maria Farinha Formation
Occurrence: Marinha Farinha, PE
Reference: 235,348,445
Plate and Size: 10(445),25mm

Genus *Boreotrophon* P.Fisher, 1884

278 *Boreotrophon tropica* (Maury, 1925) comb.n.
Age: NeoOligocene-EoMiocene
Stratigraphy: Pirabas Formation
Occurrence: Pirabas, PA
Reference: 73,235,243
Plate and Size: 10(243),18mm

Family THAIDIDAE

Genus *Thais* Röding, 1798
Subgenus *Stramonita* Schumacher, 1817

279 *Thais* (*Stramonita*) *haemastoma* (Linné, 1767)
Age: Pliocene to Recent
Stratigraphy: Turiaçu Formation
Occurrence: Turiaçu, MA

Reference: 235,392
Plate and Size: 10(392),50mm

Family BUCCINIDAE
Subfamily BUCCININAE

Genus *Siphonalia* A.Adams, 1863 #

280 *Siphonalia harrisi* Maury, 1925
Age: NeoOligocene-EoMiocene
Stratigraphy: Pirabas Formation
Occurrence: Pirabas, PA
Reference: 73,235,243
Plate and Size: 10(243),47mm

Subfamily PISANIINAE

Genus *Pisania* Bivona-Bernardi, 1832

281 *Pisania amazonica* (Maury, 1925) comb.n.
Age: NeoOligocene-EoMiocene
Stratigraphy: Pirabas Formation
Occurrence: Pirabas, PA
Reference: 73,235,243
Plate and Size: 10(243),24mm

282 *Pisania arcana* (Maury, 1925) comb.n.
Age: NeoOligocene-EoMiocene
Stratigraphy: Pirabas Formation
Occurrence: Pirabas, PA
Reference: 73,235,243
Plate and Size: 10(243),24mm

N.B.: this new combination is due morfological affinities of these species with this genus, better than *Pollia* Gray in Sowerby, 1834 and *Tritonidea* Swainson, 1840, both absent in Neotropical area.

Subfamily PHOTINAE

Genus *Phos* Montfort, 1810

283 *Phos fictilis* Maury, 1925
Age: NeoOligocene-EoMiocene
Stratigraphy: Pirabas Formation
Occurrence: Pirabas, PA
Reference: 73,235,243
Plate and Size: 10(243),18mm

Genus *Antillophos* Woodring, 1928

284 *Antillophos* cf *elegans* (Guppy, 1866) comb.n.
Age: NeoOligocene-EoMiocene
Stratigraphy: Pirabas Formation
Occurrence: Parnaíba, PI

Reference: 131
Plate and Size: 10(131),20mm

Family NASSARIIDAE
Subfamily NASSARIINAE

Genus *Nassarius* Dumeril, 1806
Subgenus *Hinia* Gray, 1847
Synonymy: *Tritia* A.Adams, 1853

285 *Nassarius (Hinia) scissulatus* (Dall, 1889)
Age: Miocene to Recent
Stratigraphy: Pelotas Basin
Occurrence: Pelotas, RS
Reference: 91,392
Plate and Size: 10(392),15mm
N.B.: Formerly called *coppingeri* Smith: 392

Genus *Alectrion* Montfort, 1810 #

286 *Alectrion pirabica* Maury, 1925
Age: NeoOligocene-EoMiocene
Stratigraphy: Pirabas Formation
Occurrence: Pirabas, PA
Reference: 73,235,243
Plate and Size: 10(243),6mm

287 *Alectrion praetrivittata* Maury, 1925
Age: NeoOligocene-EoMiocene
Stratigraphy: Pirabas Formation
Occurrence: Pirabas, PA
Reference: 73,148,235,243
Plate and Size: 10(243),9mm

Family MELONGENIDAE

Genus *Levifusus* Conrad, 1865 #

288 *Levifusus trabeatus* (Conrad, 1865)
Age: Paleocene
Stratigraphy: Maria Farinha Formation
Occurrence: Maria Farinha, PE
Reference: 77
Plate and Size: 10(77),11mm

Family FASCIOLARIIDAE
Subfamily FASCIOLARIINAE

Genus *Fasciolaria* Lamarck, 1799

289 *Fasciolaria lastroensis* Maury, 1937
Age: Cretaceous, Albian
Stratigraphy: Riachuelo Formation
Occurrence: Maruim, SE

Reference: 235,249,313
Plate and Size: 10(313),120mm

290 *Fasciolaria restituta* Maury, 1925
Age: NeoOligocene-EoMiocene
Stratigraphy: Pirabas Formation
Occurrence: Pirabas, PA
Reference: 73,148,235,243
Plate and Size: 10(243),50mm

291 *Fasciolaria urubuensis* Maury, 1937
Age: Cretaceous, Mid Albian
Stratigraphy: Riachuelo Formation
Occurrence: Urubu, SE
Reference: 36,73,235,249,313
Plate and Size: 10(249),92mm

Subfamily FUSININAE

Genus *Fusinus* Rafinesque, 1815
Synonymy: *Fusus* auctt; *Falsifusus* Grabau, 1904

292 *Fusinus baumanni* (Maury, 1925) comb.n.
Age: NeoOligocene-EoMiocene
Stratigraphy: Pirabas Formation
Occurrence: Pirabas, PA
Reference: 73,235,243
Plate and Size: 10(243),42mm

293 *Fusinus doris* (White, 1887)
Age: Paleocene to Miocene
Stratigraphy: Maria Farinha & Pirabas Formations
Occurrence: Maria Farinha, PE; Salinas & Pirabas, PA
Reference: 8,73,148,194,235,243,445
Plate and Size: 10(445),29mm

294 *Fusinus longiusculus* (White, 1887)
Age: Paleocene
Stratigraphy: Maria Farinha Formation
Occurrence: Maria Farinha, PE
Reference: 77,235,445
Plate and Size: 10(445),23mm
Synonymy: *F.ottonis* Aldrich, 1897

295 *Fusinus pernambucensis* (White, 1887)
Age: Paleocene
Stratigraphy: Maria Farinha Formation
Occurrence: Maria Farinha, PE
Reference: 77,235,445
Plate and Size: 10(445),34mm

296 *Fusinus soperi* (Maury, 1925)
Age: NeoOligocene-EoMiocene

Stratigraphy: Pirabas Formation
Occurrence: Pirabas & Salinas, PA; Parnaíba, PI
Reference: 8,73,131,148,235,243
Plate and Size: 10(243),42mm

Genus *Serrifusus* Meek, 1876

297 *Serrifusus* (?) *marahuanus* Maury, 1925
Age: Cretaceous, Albion-Cenomanian
Stratigraphy: Algodões Formation
Occurrence: Marau, BA
Reference: 54,57,73,235,243
Plate and Size: 11(243),20mm

298 *Serrifusus mariae* (White, 1887) comb.n.
Age: Paleocene
Stratigraphy: Maria Farinha Formation
Occurrence: Maria Farinha, PE
Reference: 77,235,445,447
Plate and Size: 11(445),27mm

Subfamily PERISTERNIINAE

Genus *Leucozonia* Gray, 1847

299 *Leucozonia ruginosa* (White, 1887) comb.n.
Age: Paleocene
Stratigraphy: Maria Farinha Formation
Occurrence: Maria Farinha, PE
Reference: 235,445
Plate and Size: 11(445),38mm
N.B.: this new combination is due morphological affinities of this species with this genus, better than *Murex* (*Neptunella*).

Subgenus *Mazzalina* Conrad, 1860

300 *Leucozonia* (*Mazzalina*) *acutispira* (White, 1887) comb.n.
Age: Paleocene
Stratigraphy: Maria Farinha Formation
Occurrence: Maria Farinha, PE
Reference: 77,235,445,447
Plate and Size: 11(445),28mm

Subfamily COLUBRARIINAE

Genus *Colubraria* Schumacher, 1817

301 *Colubraria paraensis* Maury, 1925
Age: Neogene-Eocene
Stratigraphy: Pirabas Formation
Occurrence: Pirabas, PA
Reference: 73,235,243
Plate and Size: 11(243),35mm

Family VOLUTIDAE Subfamily VOLUTINAE

Genus *Volutispina* Newton, 1906
Synonymy: *Volutilithes* Swainson, 1840

302 *Volutispina alticostata* (White, 1887) comb.n.
Age: Paleocene
Stratigraphy: Maria Farinha Formation
Occurrence: Maria Farinha, PE
Reference: 234,445
Plate and Size: 11(445),37mm

303 *Volutispina radula* (Sowerby in Forbes, 1846) comb.n.
Age: Paleocene
Stratigraphy: Maria Farinha Formation
Occurrence: Maria Farinha, PE
Reference: 77,235,445
Plate and Size: 11(445),26mm

Subfamily CYMBIINAE

Genus *Cymbiola* Swainson, 1831 #
Subgenus *Aulica* Gray, 1847

304 *Cymbiola* (*Aulica*) aff. *cretacea* (Coquand)
Age: Cretaceous, Turonian
Stratigraphy: Cotiguiba Formation
Occurrence: Japarutuba, SE
Reference: 13

Subfamily LYRIINAE

Genus *Lyria* Gray, 1847

305 *Lyria calligona* Maury, 1925
Age: Neogene-Eocene
Stratigraphy: Pirabas Formation
Occurrence: Pirabas, PA
Reference: 73,235,243
Plate and Size: 11(243),28mm

306 *Lyria musicinoides* Maury, 1925
Age: Neogene-Eocene
Stratigraphy: Pirabas Formation
Occurrence: Pirabas, PA
Reference: 73,235,243
Plate and Size: 11(243),22mm

Subfamily ATHLETINAE

Genus *Volutocorbis* Dall, 1890

307 *Volutocorbis limopsis* (Conrad, 1860)
Age: Paleocene
Stratigraphy: Maria Farinha Formation
Occurrence: Maria Farinha, PE
Reference: 77
Plate and Size: 11(77),50mm
Synonymy: *V.whitensis* (Maury, 1912)

Subfamily PHOLIDOTOMINAE

Genus *Volutomorpha* Gabb, 1877

308 *Volutomorpha brasiliensis* Maury, 1930
Age: Cretaceous, Campanian-Maastrichtian
Stratigraphy: Gramame Formation
Occurrence: Gramame River, João Pessoa, PB
Reference: 73,235,246
Plate and Size: 11(246),130mm

309 *Volutomorpha cf elongata* (Orbigny, 1842)
Age: Cretaceous, Cenomanian
Stratigraphy: Cotinguiba Formation
Occurrence: Itaporanga & Japarutuba, SE
Reference: 9,13
Plate and Size: 11(9),40mm

Family HARPIDAE
Subfamily HARPINAE #

Genus *Harpa* Röding, 1798

310 *Harpa dechordata* White, 1887
Age: Paleocene
Stratigraphy: Maria Farinha Formation
Occurrence: Maria Farinha, PE
Reference: 77,235,348,445,447
Plate and Size: 11(445),50mm

Genus *Eocithara* Fischer, 1883

311 *Eocithara (?) togata* (White, 1887)
Age: Paleocene
Stratigraphy: Maria Farinha Formation
Occurrence: Maria Farinha, PE
Reference: 235,445,447
Plate and Size: 11(445),23mm

Subfamily MORUMINAE

Genus *Morum* Röding, 1798

312 *Morum harrisi* Maury, 1925
Age: NeoOligocene-EoMiocene
Stratigraphy: Pirabas Formation

Occurrence: Pirabas, PA
Reference: 73,235,243
Plate and Size: 11(243),40mm

Family VASIDAE
Subfamily TURBINELLINAE

Genus *Turbinella* Lamarck, 1799
Synonymy: *Xancus* Röding, 1798 (rejected)

313 *Turbinella amazoniana* (Ferreira & Cunha, 1957) comb.n.

Age: NeoOligocene-EoMiocene
Stratigraphy: Pirabas Formation
Occurrence: Pirabas, PA
Reference: 130,145,148
Plate and Size: 11(145),60mm

314 *Turbinella brasiliiana* (Maury, 1925) comb.n.

Age: NeoOligocene-EoMiocene
Stratigraphy: Pirabas Formation
Occurrence: Pirabas, PA
Reference: 73,130,145,235,243
Plate and Size: 11(243),75mm

315 *Turbinella grata* (Maury, 1925) comb.n.

Age: NeoOligocene-EoMiocene
Stratigraphy: Pirabas Formation
Occurrence: Pirabas, PA
Reference: 73,130,145,235,243
Plate and Size: 11(243),70mm

316 *Turbinella laevigata* Anton, 1839

Age: NeoOligocene to Recent
Stratigraphy: Pirabas Formation
Occurrence: Pirabas, PA
Reference: 73,94,392
Plate and Size: 11(392),100mm

317 *Turbinella mauryae* (Ferreira & Cunha, 1957) comb.n.

Age: NeoOligocene-EoMiocene
Stratigraphy: Pirabas Formation
Occurrence: Pirabas, PA
Reference: 130,147,148
Plate and Size: 11(130),25mm

318 *Turbinella praeovoidea* (Maury, 1925) comb.n.

Age: NeoOligocene-EoMiocene
Stratigraphy: Pirabas Formation
Occurrence: Pirabas, PA
Reference: 130,243
Plate and Size: 12(243),110mm

319 *Turbinella tuberculata* (Ferreira, 1964)
comb.n.
Age: NeoOligocene-EoMiocene
Stratigraphy: Pirabas Formation
Occurrence: Salinópolis, PA
Reference: 130
Plate and Size: 11(130),185mm

Subfamily PTYCHATRACTINAE

Genus *Piestochilus* Meek, 1864

320 *Piestochilus* cf *bleicheri* (Thomas & Perón, 1889)
Age: Cretaceous, Cenomanian-Coniacian
Stratigraphy: Cotinguiba Formation
Occurrence: Laranjeiras, SE
Reference: 13,27,68
Plate and Size: 12(68),70mm

Subgenus *Cryptorhytis* Meek, 1876

321 *Piestochilus* (*Cryptorhytis*) cf *thevestensis* (Coquand)
Age: Cretaceous, Turonian
Stratigraphy: Cotinguiba Formation
Occurrence: Japaratuba & Laranjeiras, SE
Reference: 13

Subfamily VASINAE

Genus *Vasum* Röding, 1798

322 *Vasum haitense* Sowerby, 1850
Age: NeoOligocene-EoMiocene
Stratigraphy: Pirabas Formation
Occurrence: Pirabas, PA
Reference: 73,235,243
Plate and Size: 12(243),60mm

323 *Vasum kraatzi* Ferreira & Cunha, 1957
Age: NeoOligocene-EoMiocene
Stratigraphy: Pirabas Formation
Occurrence: Pirabas, PA
Reference: 145
Plate and Size: 11(145),45mm

Family OLIVIDAE

Subfamily OLIVINAE

Genus *Oliva* Bruguière, 1789

324 *Oliva paraensis* Maury, 1925
Age: NeoOligocene-EoMiocene

Stratigraphy: Pirabas Formation
Occurrence: Pirabas, PA
Reference: 73,148,235,243
Plate and Size: 12(245),28mm

325 *Oliva pirabica* Maury, 1925
Age: NeoOligocene-EoMiocene
Stratigraphy: Pirabas Formation
Occurrence: Pirabas, PA
Reference: 135,148,243
Plate and Size: 12(243),25mm

Subfamily OLIVELLINAE

Genus *Olivella* Swainson, 1831

326 *Olivella bullula* (Reeve, 1850) #
Age: Miocene to Recent
Stratigraphy: Pelotas Basin
Occurrence: Pelotas, RS
Reference: 1,91
Plate and Size: 14(1),12mm

327 *Olivella calcis* Maury, 1925
Age: NeoOligocene-EoMiocene
Stratigraphy: Pirabas Formation
Occurrence: Pirabas, PA
Reference: 73,235,243
Plate and Size: 12(243),8mm

328 *Olivella goliath* Olsson, 1922
Age: Miocene
Stratigraphy: Pelotas Basin
Occurrence: Pelotas, RS
Reference: 91,334
Plate and Size: 12(334),26mm

329 *Olivella paraensis* Maury, 1925
Age: NeoOligocene-EoMiocene
Stratigraphy: Pirabas Formation
Occurrence: Pirabas, PA
Reference: 73,148,235,243
Plate and Size: 12(243),15mm

330 *Olivella pirabica* Maury, 1925
Age: NeoOligocene-EoMiocene
Stratigraphy: Pirabas Formation
Occurrence: Pirabas, PA
Reference: 243
Plate and Size: 12(243),27mm

331 *Olivella subperdita* Maury, 1925
Age: NeoOligocene-EoMiocene
Stratigraphy: Pirabas Formation

Occurrence: Pirabas, PA
Reference: 73,235,243
Plate and Size: 12(243),30mm

Subfamily ANCILLINAE

Genus *Ancilla* Lamarck, 1799
Subgenus *Sparella* Gray, 1857

332 *Ancilla (Sparella) mutila* (White, 1887)
Age: NeoOligocene-EoMiocene
Stratigraphy: Pirabas Formation
Occurrence: Pirabas, PA; Parnaíba, PI
Reference: 131,194,235,243,445
Plate and Size: 12(243),22mm

Genus *Amalda* H. & A. Adams, 1853

333 *Amalda branneri* (Maury, 1925) comb.n.
Age: NeoOligocene-EoMiocene
Stratigraphy: Pirabas Formation
Occurrence: Pirabas, PA; Parnaíba, PI
Reference: 73,131,148,235,243
Plate and Size: 12(243),35mm

Family MARGINELLIDAE
Subfamily MARGINELLINAE

Genus *Marginella* Lamarck, 1799

334 *Marginella acuta* (White, 1887)
Age: NeoOligocene-EoMiocene
Stratigraphy: Pirabas Formation
Occurrence: Pirabas, PA
Reference: 73,148,194,235,243,445
Plate and Size: 12(243), 32mm

335 *Marginella cereris* Maury, 1925
Age: NeoOligocene-EoMiocene
Stratigraphy: Pirabas Formation
Occurrence: Estação Agronômica, PA
Reference: 73,235,243
Plate and Size: 12(243),16mm

336 *Marginella crassiplicata* (White, 1887)
Age: NeoOligocene-EoMiocene
Stratigraphy: Pirabas Formation
Occurrence: Pirabas, PA
Reference: 235,243,445
Plate and Size: 12(445),20mm

337 *Marginella estaciana* Maury, 1925
Age: NeoOligocene-EoMiocene
Stratigraphy: Pirabas Formation

Occurrence: Estação Agronômica, PA
Reference: 73,235,243
Plate and Size: 12(243),16mm

338 *Marginella multiplicata* (White, 1887)
Age: NeoOligocene-EoMiocene
Stratigraphy: Pirabas Formation
Occurrence: Pirabas, PA
Reference: 194,235,243,445
Plate and Size: 12(445),7mm

339 *Marginella paraensis* Maury, 1925
Age: NeoOligocene-EoMiocene
Stratigraphy: Pirabas Formation
Occurrence: Pirabas, PA
Reference: 73,235,243
Plate and Size: 12(243),41mm

340 *Marginella perlatens* Maury, 1925
Age: NeoOligocene-EoMiocene
Stratigraphy: Pirabas Formation
Occurrence: Pirabas, PA
Reference: 73,148,235,243
Plate and Size: 12(243),13mm

341 *Marginella pirabica* Maury, 1925
Age: NeoOligocene-EoMiocene
Stratigraphy: Pirabas Formation
Occurrence: Pirabas, PA
Reference: 73,148,235,243
Plate and Size: 12(243),32mm

342 *Marginella truncata* (White, 1887)
Age: NeoOligocene-EoMiocene
Stratigraphy: Pirabas Formation
Occurrence: Pirabas, PA
Reference: 194,235,243,445
Plate and Size: 12(445),27mm

Genus *Prunum* Herrmannsen, 1852?

343 *Prunum prunum* (Gmelin, 1791)
Age: Miocene to Recent
Stratigraphy: Pelotas Basin
Occurrence: Pelotas, RS
Reference: 91,392
Plate and Size: 12(392),29mm

Genus *Cryptospira* Hinds, 1844

344 *Cryptospira martini* (Petit, 1853)
Age: Miocene to Recent
Stratigraphy: Pelotas Basin
Occurrence: Pelotas, RS

Reference: 91,392
Plate and Size: 12(392),40mm

Family MITRIDAE
Subfamily MITRINAE

Genus *Mitra* Lamarck, 1798

345 *Mitra senecta* (White, 1887)
Age: NeoOligocene-EoMiocene
Stratigraphy: Pirabas Formation
Occurrence: Pirabas, PA
Reference: 73,148,194,235,243,445
Plate and Size: 12(243+445),34mm

Family VOLUTOMITRIDAE

Genus *Volutomitra* H. & A. Adams, 1853
Subgenus *Conomitra* Conrad, 1865

346 *Volutomitra* (*Conomitra*) *chrysallis* (White, 1887)
comb.n.
Age: Paleocene
Stratigraphy: Maria Farinha Formation
Occurrence: Maria Farinha, PE
Reference: 77,235,445
Plate and Size: 12(445),8mm

Family COSTELLARIIDAE

Genus *Vexillum* Röding, 1798
Subgenus *Uromitra* Bellardi, 1887

347 *Vexillum* (*Uromitra*) *triptum* Gardner, 1937
Age: NeoOligocene-EoMiocene
Stratigraphy: Pirabas Formation
Occurrence: Parnaíba, PI
Reference: 131
Plate and Size: 12(131),10mm

Genus *Mesorhytis* Meek, 1876

348 *Mesorhytis* cf. *gasparini* (Orbigny)
Age: Cretaceous, Turonian
Stratigraphy: Cotinguiba Formation
Occurrence: Japaratinga & Laranjeiras, SE
Reference: 13

Superfamily CANCELLARIOIDEA
Family CANCELLARIIDAE
Subfamily CANCELLARIINAE

Genus *Cancellaria* Lamarck, 1799

349 *Cancellaria calypso* White, 1887
Age: NeoOligocene-EoMiocene
Stratigraphy: Pirabas Formation
Occurrence: Pirabas, PA
Reference: 194,235,445
Plate and Size: 12(445),30mm

350 *Cancellaria euclethra* Maury, 1925
Age: NeoOligocene-EoMiocene
Stratigraphy: Pirabas Formation
Occurrence: Pirabas, PA
Reference: 73,235,243
Plate and Size: 12(243),30mm

351 *Cancellaria hartti* Maury, 1925
Age: NeoOligocene-EoMiocene
Stratigraphy: Pirabas Formation
Occurrence: Pirabas, PA
Reference: 73,235,243
Plate and Size: 12(243), 50mm

352 *Cancellaria igarassuensis* Penna, 1965
Age: Paleocene
Stratigraphy: Maria Farinha Formation
Occurrence: Maria Farinha, PE
Reference: 348
Plate and Size: 12(348),30mm

353 *Cancellaria pirabensis* Maury, 1925
Age: NeoOligocene-EoMiocene
Stratigraphy: Pirabas Formation
Occurrence: Pirabas, PA
Reference: 73,148,235,243
Plate and Size: 12(243),20mm

354 *Cancellaria praeindentata* Maury, 1925
Age: NeoOligocene-EoMiocene
Stratigraphy: Pirabas Formation
Occurrence: Pirabas, PA
Reference: 73,148,235,243
Plate and Size: 12(243),25mm

355 *Cancellaria subtilicancellata* Maury, 1925
Age: NeoOligocene-EoMiocene
Stratigraphy: Pirabas Formation
Occurrence: Pirabas, PA
Reference: 235,243
Plate and Size: 12(243),20mm

Superfamily CONOIDEA
Family CONIDAE

Genus *Conus* Linné, 1758

356 *Conus conditorius* White, 1887

Age: NeoOligocene-EoMiocene

Stratigraphy: Pirabas Formation

Occurrence: Pirabas, PA

Reference: 194,235,243,445

Plate and Size: 12(445),30mm

357 *Conus lisboae* Maury, 1925

Age: NeoOligocene-EoMiocene

Stratigraphy: Pirabas Formation

Occurrence: Pirabas, PA

Reference: 73,148,235,243

Plate and Size: 12(243),37mm

358 *Conus longesperatus* Maury, 1925

Age: NeoOligocene-EoMiocene

Stratigraphy: Pirabas Formation

Occurrence: Estação Agronômica, PA

Reference: 73,148,235,243

Plate and Size: 12(243),10mm

359 *Conus pachecoi* Maury, 1925

Age: NeoOligocene-EoMiocene

Stratigraphy: Pirabas Formation

Occurrence: Pirabas, PA

Reference: 73,148,135,243

Plate and Size: 13(243),32mm

360 *Conus pirabensis* Maury, 1925

Age: NeoOligocene-EoMiocene

Stratigraphy: Pirabas Formation

Occurrence: Pirabas, PA

Reference: 73,148,235,243

Plate and Size: 13(243),35mm

361 *Conus restitutus* White, 1887

Age: NeoOligocene-EoMiocene

Stratigraphy: Pirabas Formation

Occurrence: Pirabas, PA; São Marcos, MA

Reference: 149,194,235,243,445

Plate and Size: 13(445),35mm

362 *Conus whitei* Maury, 1925

Age: NeoOligocene-EoMiocene

Stratigraphy: Pirabas Formation

Occurrence: Pirabas, PA; Parnaíba, PI; São Marcos, MA

Reference: 73,131,149,235,243

Plate and Size: 12(243),30mm

Family TURRIDAE

Subfamily TURRINAE

Genus *Turris* Röding, 1798

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Synonymy: *Pleurotoma* Lamarck, 1799

363 *Turris harpya* (White, 1887)

Age: Paleocene

Stratigraphy: Maria Farinha Formation

Occurrence: Olinda, PE

Reference: 235,445,447

Plate and Size: 13(445),30mm

364 *Turris rodata*

Doubtful identification

Reference: 357

Genus *Polystira* Woodring, 1928

Synonymy: *Pleuroliria* de Gregorio, 1890

365 *Polystira albida* (Perry, 1811)

Age: NeoOligocene to Recent

Stratigraphy: Pirabas Formation

Occurrence: Pirabas, PA

Reference: 73,94,134,148,235,243,392

Plate and Size: 13(243),50mm

N.B.: a subspecies *P.a. paraensis* Maury, 1925

Subfamily DRILLIINAE

Genus *Drillia* Gray, 1838

366 *Drillia consors pennae* Maury, 1925

Age: NeoOligocene-EoMiocene

Stratigraphy: Pirabas Formation

Occurrence: Pirabas, PA

Reference: 73,235,243

Plate and Size: 13(243),45mm

367 *Drillia crandalli* Maury, 1925

Age: NeoOligocene-EoMiocene

Stratigraphy: Pirabas Formation

Occurrence: Pirabas, PA

Reference: 73,235,243

Plate and Size: 13(243),31mm

368 *Drillia pirabica* Maury, 1925

Age: NeoOligocene-EoMiocene

Stratigraphy: Pirabas Formation

Occurrence: Pirabas, PA

Reference: 73,235,243

Plate and Size: 1(243),45mm

Genus *Spirotropis* Sars, 1878

369 *Spirotropis patagonicus* (Orbigny, 1841)

Age: Miocene to Recent

Stratigraphy: Pelotas Basin

Occurrence: Pelotas, RS
Reference: 91,392
Plate and Size: 13(392),10mm

Subfamily CRASSISPIRINAE

Genus *Crassispira* Swainson, 1840

370 *Crassispira jamaicensis* (Guppy, 1866)
Age: NeoOligocene-EoMiocene
Stratigraphy: Pirabas Formation
Occurrence: Parnaíba, PI
Reference: 111,131,241,356
Plate and Size: 13(111),15mm
Synonymy: *Drillia ebenina* Dall, 1890

Subfamily TURRICULINAE

Genus *Turricula* Schumacher, 1817
Synonymy: *Surcula* H. & A. Adams, 1853
Subgenus *Pleurofusua* Gregorio, 1890

371 *Turricula (Pleurofusua) camposi* (Maury, 1925) comb.n.
Age: NeoOligocene-EoMiocene
Stratigraphy: Pirabas Formation
Occurrence: Pirabas, PA
Reference: 148,235,243
Plate and Size: 13(243),47mm

Family TEREBRIDAE

Genus *Terebra* Bruguière, 1798

372 *Terebra aulakoessa* Gardner, 1937
Age: NeoOligocene-EoMiocene
Stratigraphy: Pirabas Formation
Occurrence: Capanema, PA
Reference: 134,164
Plate and Size: 13(164),9mm

373 *Terebra clethra* Maury, 1925
Age: NeoOligocene-EoMiocene
Stratigraphy: Pirabas Formation
Occurrence: Pirabas, PA
Reference: 73,235,243
Plate and Size: 13(243),11mm

374 *Terebra denotans* Maury, 1925
Age: NeoOligocene-EoMiocene
Stratigraphy: Pirabas Formation
Occurrence: Pirabas, PA
Reference: 73,235,243
Plate and Size: 13(243),12mm

375 *Terebra derbyi* Maury, 1925
Age: NeoOligocene-EoMiocene
Stratigraphy: Pirabas Formation
Occurrence: Pirabas, PA
Reference: 73,235,243
Plate and Size: 13(243),19mm

376 *Terebra estaciana* Maury, 1925
Age: NeoOligocene-EoMiocene
Stratigraphy: Pirabas Formation
Occurrence: Estação Agronômica, PA
Reference: 235,243
Plate and Size: 13(243),37mm

377 *Terebra gemmulata* Kiener, 1838/9
Age: Miocene to Recent
Stratigraphy: Pelotas Basin
Occurrence: Pelotas, RS
Reference: 91,392
Plate and Size: 13(392),40mm

378 *Terebra odopoia* Gardner, 1937
Age: NeoOligocene-EoMiocene
Stratigraphy: Pirabas Formation
Occurrence: Castelo, PA
Reference: 134,163
Plate and Size: 13(163),38mm

379 *Terebra paraensis* Maury, 1925
Age: NeoOligocene-EoMiocene
Stratigraphy: Pirabas Formation
Occurrence: Pirabas, PA
Reference: 73,148,235,243
Plate and Size: 13(243),19mm

380 *Terebra peramabilis* Maury, 1925
Age: NeoOligocene-EoMiocene
Stratigraphy: Pirabas Formation
Occurrence: Pirabas, PA
Reference: 73,235,243
Plate and Size: 13(243),30mm

Subgenus *Strioterebrum* Sacco, 1891

381 *Terebra (Strioterebrum) spirifera* Dall, 1896
Age: NeoOligocene-EoMiocene
Stratigraphy: Pirabas Formation
Occurrence: Pirabas, PA
Reference: 163,447
Plate and Size: 13(163),30mm

Genus *Subula* Schumacher, 1817
Synonymy: *Acus* Humphrey, 1797

382 *Subula protexta* (Conrad, 1846)

Age: Miocene to Recent

Stratigraphy: Pelotas Basin

Occurrence: Pelotas, RS

Reference: 91,392

Plate and Size: 13(392),25mm

Subclass HETEROBRANCHIA

Order ALLOGASTROPODA

Superfamily ARCHITECTONICOIDEA

Family ARCHITECTONICIDAE

Genus *Architectonica* Röding, 1798

Synonymy: *Solarium* Lamarck, 1799

383 *Architectonica eudaidela* (Maury, 1925)

Age: NeoOligocene-EoMiocene

Stratigraphy: Pirabas Formation

Occurrence: Estação Agronômica, PA

Reference: 73,148,235,243

Plate and Size: 13(243),22mm

384 *Architectonica intraornata* (White, 1887)

Age: NeoOligocene-EoMiocene

Stratigraphy: Pirabas Formation

Occurrence: Pirabas, PA

Reference: 148,194,235,243,445

Plate and Size: 13(243),15mm

385 *Architectonica nobilis* Röding, 1798

Age: NeoOligocene to Recent

Stratigraphy: Pirabas Formation

Occurrence: Pirabas, PA; São Marcos, MA

Reference: 73,94,134,148,149,224,235,243,392,447

Plate and Size: 13(243),33mm

Synonymy: *A. granulata* (Lamarck, 1816)

386 *Architectonica silentia* (White, 1887) comb.n.

Age: Paleocene

Stratigraphy: Maria Farinha Formation

Occurrence: Igarapu, PE

Reference: 235,445

Plate and Size: 13(445),60mm

Superfamily PYRAMIDELLOIDEA

Family PYRAMIDELLIDAE

Subfamily PYRAMIDELLINAE

Genus *Pyramidella* Lamarck, 1799

Subgenus *Longchaeus* Mörch, 1875

387 *Pyramidella (Longchaeus) candida* Mörch, 1875

Age: Miocene to Recent

Stratigraphy: Pelotas Basin

Occurrence: Pelotas, RS

Reference: 91,392

Plate and Size: 14(392),12mm

Subfamily TURBONILLINAE

Genus *Turbonilla* Risso, 1826

Subgenus *Pyrgisculus* Philippi, 1841

388 *Turbonilla (Pyrgisculus) interrupta* (Totten, 1835)

Age: Miocene to Recent

Stratigraphy: Pelotas Basin

Occurrence: Pelotas, RS

Reference: 91,392

Plate and Size: 14(392),8mm

Genus *Orvillia* White, 1887

389 *Orvillia mutabilis* White, 1887

Age: Paleocene

Stratigraphy: Maria Farinha Formation

Occurrence: Maria Farinha, PE

Reference: 235,445

Plate and Size: 14(445),55mm

390 *Orvillia ruginosa* White, 1887

Age: Paleocene

Stratigraphy: Maria Farinha Formation

Occurrence: Maria Farinha, PE

Reference: 235,445

Plate and Size: 14(445),36mm

Subclass OPISTHOBRANCHIA

Order CEPHALASPIDEA

Superfamily PHILINOIDEA

Family ACTEONIDAE

Genus *Acteon* Orbigny, 1834

Synonymy: *Actaeonella* Orbigny, 1845

391 *Acteon lucianoi* (Maury, 1930) comb.n.

Age: Cretaceous, Emscherian

Stratigraphy: Estiva Formation

Occurrence: Tamandaré, PE

Reference: 73,235,246,306

Plate and Size: 14(246),70mm

392 *Acteon pompeii* (Maury, 1930) comb.n.

Age: Cretaceous, Emscherian

Stratigraphy: Estiva Formation

Occurrence: Tamandaré, PE

Reference: 73,235,246,306

Plate and Size: 14(246),77mm

393 *Acteon silvae* (Maury, 1925) comb.n.
Age: Cretaceous, Turonian-Maastrichtian
Stratigraphy: Jandaira & Estiva Formations
Occurrence: Tamandaré, PE; Santana & Mossoró, RN
Reference: 35,40,235,243,246,306
Plate and Size: 14(243),31mm

394 *Acteon tamandarensis* (Maury, 1930) comb.n.
Age: Cretaceous, Emscherian
Stratigraphy: Estiva Formation
Occurrence: Tamandaré, PE
Reference: 73,235,246,306
Plate and Size: 14(246),24mm

Genus *Trochacteon* Meek, 1863

395 *Trochacteon* cf. *cylindraceus* Stoliczka, 1867
Age: Cretaceous, Turonian-Maastrichtian
Stratigraphy: Jandaira Formation
Occurrence: Mossoró, RN
Reference: 40,252,430
Plate and Size: 14(40),48mm

396 *Trochacteon elongatus* Beurlen, 1964
Age: Cretaceous, Turonian
Stratigraphy: Açú Formation
Occurrence: Upanema, RN
Reference: 35,40
Plate and Size: 14(35),200mm

397 *Trochacteon tinocoi* Beurlen, 1964
Age: Cretaceous, Turonian
Stratigraphy: Açú Formation
Occurrence: Mossoró, RN
Reference: 35,40
Plate and Size: 14(35),130mm

Genus *Ringinella* Orbigny, 1842

398 *Ringinella pinguiscula* White, 1887
Age: Cretaceous, Albian-Cenomanian
Stratigraphy: Riachuelo Formation
Occurrence: Maruim, SE
Reference: 13,36,235,249,313,445
Plate and Size: 14(445),15mm

Family RETUSIDAE

Genus *Volvulella* Newton, 1891

399 *Volvulella cannada* Ihering, 1907

Age: Miocene
Stratigraphy: Pelotas Basin
Occurrence: Pelotas, RS
Reference: 91,182
Plate and Size: 14(182),4mm

Family ACERIDAE

Genus *Acera* Müller, 1776

400 *Acera browni* White, 1887
Age: Cretaceous, Albian-Cenomanian
Stratigraphy: Riachuelo Formation
Occurrence: Maruim, SE
Reference: 313,435,445
Plate and Size: 14(445),29mm

Family SCAPHANDRIDAE

Genus *Scaphander* Montfort, 1810

401 *Scaphander paraensis* Maury, 1925
Age: NeOligocene-EoMiocene
Stratigraphy: Pirabas Formation
Occurrence: Pirabas, PA
Reference: 73,235,243,445
Plate and Size: 14(445),29mm

Genus *Acteocina* Gray, 1847

402 *Acteocina arcana* (Maury, 1925) comb.n.
Age: NeOligocene-EoMiocene
Stratigraphy: Pirabas Formation
Occurrence: Pirabas, PA
Reference: 73,235,243
Plate and Size: 14(243),8mm

Genus *Cylichna* Lovén, 1846

403 *Cylichna delicia* Maury, 1925
Age: Cretaceous, Bahian
Stratigraphy: Pendência Formation
Occurrence: Macau & Pendência, RN
Reference: 73,235,243
Plate and Size: 14(243),7mm

Order NOTASPIDEA

Superfamily UMBRACULOIDEA

Family UMBRACULIDAE

Genus *Umbraculum* Schumacher, 1817

404 *Umbraculum derbyi* (Maury, 1925)
Age: NeOligocene-EoMiocene

Stratigraphy: Pirabas Formation
Occurrence: Pirabas, PA
Reference: 73,235,243
Plate and Size: 14(243),53mm

Subclass PULMONATA
Order ARCHAEOPULMONATA
Superfamily ELLOBIOIDEA
Family CARYCHIIDAE

Genus *Carychium* O.F.Müller, 1774

405 *Carychium sommeri* Ferreira & Coelho, 1971
Age: Paleocene
Stratigraphy: Itaborai Formation
Occurrence: Itaborai, RJ
Reference: 142,341
Plate and Size: 14(142),4mm

Order BASOMMATOPHORA
Superfamily PHYSOIDEA
Family PHYSIDAE

Genus *Physa* Draparnaud, 1801

406 *Physa aridi* Mezzalira, 1974
Age: Cretaceous, Senonian
Stratigraphy: Bauru Group
Occurrence: São José do Rio Preto, SP
Reference: 5,281,283
Plate and Size: 14(281),10mm

407 *Physa gigantea* Michaud
Doubtful Identification
Reference: 357

Superfamily PLANORBIOIDEA
Family PLANORBIDAE
Subfamily PLANORBINAE

Genus *Biomphalaria* Preston, 1910
Synonymy: *Australorbis* Pilsbry, 1934
Taphius H. & A. Adams, 1855

408 *Biomphalaria bourguyi* (Roxo, 1924) comb.n.
Age: Pliocene
Stratigraphy: Pebas Formation
Occurrence: Três Unidos & Javari River, AM
Reference: 235,403
Plate and Size: 14(403),15mm

409 *Biomphalaria itaboraiensis* (Mezzalira, 1946)
Age: Paleocene
Stratigraphy: Itaborai Formation

Occurrence: Itaborai & São Gonçalo, RJ
Reference: 55,73,273,341,344,345,437,439
Plate and Size: 14(341),5mm

410 *Biomphalaria monserratensis* (Hartt, 1870)
comb.n.

Age: Cretaceous, Aptian-Albian
Stratigraphy: Ilhas Formation
Occurrence: Monserrate, BA
Reference: 115,116,235,342,445
Plate and Size: 14(445),6mm

Subfamily HELISOMATINAE #

Genus *Vorticifex* Meek in Dall, 1870

411 *Vorticifex fluminensis* (Brito, 1967)
Age: Paleocene
Stratigraphy: Itaborai Formation
Occurrence: Itaborai, RJ
Reference: 55,73,341
Plate and Size: 14(341),8mm

Order STYLOMMATOPHORA
Suborder ORTHURETHRA
Superfamily PUPILLOIDEA
Family VERTIGINIDAE #
Subfamily VERTIGININAE

Genus *Vertigo* O.F.Müller, 1774

412 *Vertigo mezzalirai* Ferreira & Coelho, 1971
Age: Paleocene
Stratigraphy: Itaborai Formation
Occurrence: Itaborai, RJ
Reference: 142,341
Plate and Size: 14(142),2mm

Family STROBILOPSIDAE

Genus *Strobilopsis* Pilsbry, 1893

413 *Strobilopsis mauryae* Ferreira & Coelho, 1971
Age: Paleocene
Stratigraphy: Itaborai Formation
Occurrence: Itaborai, RJ
Reference: 142,341
Plate and Size: 14(142),4mm

Suborder MESURETHRA
Superfamily CLAUSILIOIDEA
Family CLAUSILIIDAE
Subfamily CLAUSILIINAE

Genus *Clausilia* Draparnaud, 1805 #

414 *Clausilia magalhaesi* Trindade, 1953
Age: Paleocene
Stratigraphy: Itaboraí Formation
Occurrence: Itaboraí, RJ
Reference: 55,73,232,341,345,439
Plate and Size: 14(341),15mm

Superfamily STROPHOCHEILOIDEA
Family MEGALOBULIMIDAE

Genus *Megalobulimus* Miller, 1878

415 *Megalobulimus yporanganus* Ihering & Pilsbry, 1901
Age: Pleistocene to Recent
Stratigraphy: caverns
Occurrence: Iporanga, SP
Reference: 15,248,280,235,283,319,442
Plate and Size: 14(15),84mm
Synonymy: *M. ovatus iguapensis* (Maury, 1935)

Genus *Eoborus* Klappenbach & Olazarri, 1970

416 *Eoborus sanctijosephi* (Maury, 1935)
Age: Paleocene
Stratigraphy: Itaboraí Formation
Occurrence: Itaboraí, RJ
Reference: 55,208,235,248,319,341,342,344,345,437,438,439
Plate and Size: 14(55),45mm

Suborder SIGMURETHRA
Superfamily PUNCTOIDEA
Family ENDODONTIDAE

Genus *Austrodiscus* Parodiz, 1957

417 *Austrodiscus lopesi* Ferreira & Coelho, 1989
Age: Paleocene
Stratigraphy: Itaboraí Formation
Occurrence: Itaboraí, RJ
Reference: 144
Plate and Size: 15(144),3mm

Superfamily ORTHALICOIDEA
Family ORTHALICIDAE
Subfamily BULIMULINAE

Genus *Bulimulus* Leach, 1814
Synonymy: *Itaborahia* Maury, 1935

418 *Bulimulus carvalhoi* Brito, 1967
Age: Paleocene
Stratigraphy: Itaboraí Formation

Occurrence: Itaboraí, RJ
Reference: 53,55,73,341
Plate and Size: 14(341),32mm

419 *Bulimulus coelhoi* Palma & Brito, 1974
Age: Paleocene
Stratigraphy: Itaboraí Formation
Occurrence: Itaboraí, RJ
Reference: 53,73,341
Plate and Size: 15(341),13mm

420 *Bulimulus fazendicus* Maury, 1935
Age: Paleocene
Stratigraphy: Itaboraí Formation
Occurrence: Itaboraí, RJ
Reference: 52,53,55,73,234,248,319,341,342,345,437,438,439
Plate and Size: 15,(55),11mm

421 *Bulimulus ferreirai* Palma & Brito, 1974
Age: Paleocene
Stratigraphy: Itaboraí Formation
Occurrence: Itaboraí, RJ
Reference: 52,53,73,341
Plate and Size: 15(341),10mm

422 *Bulimulus lamegoi* (Maury, 1935)
Age: Paleocene
Stratigraphy: Itaboraí Formation
Occurrence: Itaboraí, RJ
Reference: 53,55,73,235,248,319,341,342,344,345,437,438,439
Plate and Size: 15(235),35mm

423 *Bulimulus sommeri* Palma & Brito, 1974
Age: Paleocene
Stratigraphy: Itaboraí Formation
Occurrence: Itaboraí, RJ
Reference: 53,73,341
Plate and Size: 15(341),19mm

424 *Bulimulus trindadeae* Ferreira & Coelho, 1971
Age: Paleocene
Stratigraphy: Itaboraí Formation
Occurrence: Itaboraí, RJ
Reference: 52,142,341
Plate and Size: 15(341),10mm

Genus *Thaumastus* Albers, 1860

425 *Thaumastus magnificus othoni* Maury, 1935
Age: Pleistocene ?
Stratigraphy: Caverns

Occurrence: Iporanga, SP
Reference: 53,235,248,271,283,319
Plate and Size: 15(248),70mm

Family UROCOPTIDAE
Subfamily BRACHYPODELLINAE

Genus *Brachypodella* Beck, 1837 #

426 *Brachypodella britoi* Ferreira & Coelho, 1971
Age: Paleocene
Stratigraphy: Itaboraí Formation
Occurrence: Itaboraí, RJ
Reference: 142,341
Plate and Size: 15(142),5mm

Superfamily ACHATINOIDEA
Family SUBULINIDAE
Subfamily OBELISCINAE

Genus *Obeliscus* Beck, 1837
Subgenus *Stenogyra* Shuttleworth, 1854

427 *Obeliscus (Stenogyra) maritima* (Spix, 1827)
Age: Pliocene to Recent
Stratigraphy: Pebas Formation
Occurrence: Carauari & Juruá River, AM
Reference: 235,425
Plate and Size: 15(425),60mm

Superfamily STREPTAXIOIDEA
Family STREPTAXIDAE
Subfamily STREPTAXINAE

Genus *Artemon* Beck, 1837

428 *Artemon alminoaffonsicum* Maury, 1934
Age: Pleistocene ?
Stratigraphy: ?
Occurrence: Almino Afonso, RN
Reference: 235,247
Plate and Size: 15(247),30mm

429 *Artemon andradai* Roxo, 1940
Age: Pleistocene to Recent
Stratigraphy: ?
Occurrence: Jacaré River, BA
Reference: 224,406
Plate and Size: 15(406),24mm

Subfamily ENNEINAE

Genus *Brasilennea* Maury, 1935

430 *Brasilennea arethusae* Maury, 1935
Age: Paleocene
Stratigraphy: Itaboraí Formation
Occurrence: Itaboraí, RJ
Reference: 55,73,224,235,248,319,341,342,345,437,438,439
Plate and Size: 15(342),12mm

431 *Brasilennea minor* (Trindade, 1956)
Age: Paleocene
Stratigraphy: Itaboraí Formation
Occurrence: Itaboraí, RJ
Reference: 55,73,341,345,438,439
Plate and Size: 15(55),10mm

2.2 Class BIVALVIA

Subclass PROTOBRANCHIA
Order SOLEMYOIDA
Superfamily SOLEMYOIDEA
Family SOLEMYIDAE

Genus *Janeia* King, 1850

432 *Janeia bokkeveldensis* (Reed, 1908)
Age: Devonian, Eifelian-Frasnian
Stratigraphy: São Domingos Member, Ponta Grossa Formation
Occurrence: Ponta Grossa, PR
Reference: 73,88,217,235,300,315,366,367,422
Plate and Size: 16(88),65mm

433 *Janeia brasiliensis* Clarke, 1913
Age: Devonian, Eifelian-Frasnian
Stratigraphy: Ponta Grossa Formation
Occurrence: Tibagi, Jaguariaíva & Ponta Grossa, PR; Santa Ana da Chapada, MT
Reference: 73,88,100,217,235,300,315,422
Plate and Size: 16(88),48mm

Order NUCULOIDA
Superfamily CTENODONTOIDEA
Family CTENODONTIDAE

Genus *Ctenodonta* Salter, 1852

434 *Ctenodonta pulchella* (Clarke, 1899) comb.n.
Age: Silurian, Ludlovian
Stratigraphy: Trombetas Formation
Occurrence: Trombetas, PA
Reference: 87,193,194,235
Plate and Size: 16(193),10mm

435 *Ctenodonta subreta* (Clarke, 1899) comb.n.
Age: Silurian, Ludlovian

Stratigraphy: Trombetas Formation
Occurrence: Trombetas, PA
Reference: 87,193,194,235
Plate and Size: 16(193),12mm

Superfamily NUCULOIDEA
Family NUCULIDAE

Genus *Nucula* Lamarck, 1799

436 *Nucula bellistriata parvula* Clarke, 1899
Age: Devonian, Emsian to Givetian
Stratigraphy: Maecuru & Ererê Formations
Occurrence: Maecuru & Ererê, PA
Reference: 87,100,192,193,194,231,235,435
Plate and Size: 16(193),11mm

437 *Nucula kayseri* Clarke, 1899
Age: Devonian, Eifelian-Givetian
Stratigraphy: Ererê Formation
Occurrence: Ererê, PA
Reference: 86,193,194,231,235,435
Plate and Size: 16(193),10mm

438 *Nucula kruegeri* Ulrich, 1893
Age: Carboniferous, Westphalian
Stratigraphy: Monte Alegre Formation
Occurrence: Monte Alegre, PA
Reference: 235,435,440
Plate and Size: 16(440),12mm

439 *Nucula mariae* Rathbun, 1874
Age: Paleocene
Stratigraphy: Maria Farinha Formation
Occurrence: Maria Farinha, PE
Reference: 124,235,365,445
Plate and Size: 16(445),14mm

440 *Nucula cf. subaequilatera* Schafh
doubtful identification
Reference: 217,235

Superfamily NUCULANOIDEA
Family NUCULANIDAE
Subfamily NUCULANINAE

Genus *Nuculana* Link, 1807
Synonymy: *Leda* Schumacher, 1817

441 *Nuculana cf. acuta* (Conrad, 1831)
Age: Pliocene to Recent
Stratigraphy: Turiaçu Formation
Occurrence: Turiaçu, MA
Reference: 73,235,243,392

Plate and Size: 16(243),9mm

442 *Nuculana braziliensis* (Rathbun, 1874)
Age: Paleocene
Stratigraphy: Maria Farinha Formation
Occurrence: Paulista, PE
Reference: 148,449
Size: 7mm

443 *Nuculana cf. browni* (Thomas, 1928)
Age: Carboniferous
Stratigraphy: Teixeira Soares Formation, Tubarão Group
Occurrence: Teixeira Soares, PR
Reference: 217,311
Plate and Size: 16(311),28mm

444 *Nuculana diversa* (Hall, 1883)
Age: Devonian, Eifelian-Givetian
Stratigraphy: Ererê Formation
Occurrence: Ererê, PA
Reference: 86,193,194,231,235,435
Plate and Size: 16(193),15mm

445 *Nuculana inornata* (Sharpe, 1856)
Age: Devonian, Eifelian-Frasnian
Stratigraphy: Ponta Grossa Formation
Occurrence: Ponta Grossa, PR
Reference: 73,88,235,367
Plate and Size: 16(88),15mm

446 *Nuculana limai* Mezzalana, 1956
Age: Carboniferous
Stratigraphy: Tubarão Group
Occurrence: Itaporanga, SP
Reference: 276,280
Plate and Size: 16(276),25mm

447 *Nuculana swiftiana* (Rathbun, 1874)
Age: Paleocene
Stratigraphy: Maria Farinha Formation
Occurrence: Maria Farinha & Paulista, PE
Reference: 19,124,235,348,365,445
Plate and Size: 16(445),16mm

448 *Nuculana viator* Reed, 1908
Age: Devonian, Eifelian-Frasnian
Stratigraphy: São Domingos Member, Ponta Grossa Formation
Occurrence: Ponta Grossa, PR
Reference: 73,217,300,315,367,422
Plate and Size: 16(367),17mm

449 *Nuculana woorworthi* (Oliveira, 1930)

Age: Carboniferous
Stratigraphy: Teixeira Soares Formation, Tubarão Group
Occurrence: Teixeira Soares & Imbituva, PR
Reference: 73,217,235,256,276,318,397,422
Plate and Size: 16(318),8mm

Genus *Adrana* H. & A. Adams, 1858

450 *Adrana agronomica* (Maury, 1925)
Age: EoMiocene
Stratigraphy: Pirabas Formation
Occurrence: Igarapeçu & Nova Timboteua, PA; São Marcos, MA
Reference: 73,124,131,139,235,243
Plate and Size: 16(243),18mm

Genus *Phestia* Chernyshev, 1951

451 *Phestia cf. rostellata* (Conrad, 1841)
Age: Devonian, Eifelian-Givetian
Stratigraphy: Ererê Formation
Occurrence: Ererê, PA
Reference: 11,231
Plate and Size: 16(11),10mm

Family MALLETIIDAE

Genus *Nuculites* Conrad, 1841
Synonymy: *Cleidophorus* Hall, 1847

452 *Nuculites branneri* Clarke, 1899
Age: Devonian, Eifelian to Frasnian
Stratigraphy: Ponta Grossa, Pimenteiras & Ererê Formations
Occurrence: Ponta Grossa, PR; Picos, PI; Ererê, PA
Reference: 69,73,86,88,193,231,235,315,367,435, 454
Plate and Size: 16(86),36mm

453 *Nuculites brasilianus* (Clarke, 1913)
Age: Silurian, Ludlovian
Stratigraphy: Trombetas Formation
Occurrence: Trombetas River, PA
Reference: 88,193,194,235
Plate and Size: 16(193),28mm

454 *Nuculites depressus* Lange, 1943
Age: Devonian, Eifelian-Frasnian
Stratigraphy: Ponta Grossa Formation
Occurrence: Ponta Grossa, PR
Reference: 214,217,235
Plate and Size: 16(214),16mm

455 *Nuculites ererensis* Hartt & Rathbun, 1875

Age: Devonian, Eifelian to Strunian
Stratigraphy: Ererê & Curuá Formations
Occurrence: Ererê & Curuá, PA
Reference: 86,172,193,194,231,235,435
Plate and Size: 16(86),12mm

456 *Nuculites nyassa majora* Clarke, 1899
Age: Devonian, Eifelian-Givetian
Stratigraphy: Ererê Formation
Occurrence: Ererê, PA
Reference: 86,193,194,235,435
Plate and Size: 16(193),22mm

457 *Nuculites cf. oblongatus* Conrad, 1841
Age: Devonian, Frasnian-Famnenian
Stratigraphy: Inajá Formation
Occurrence: Petrolândia, PE
Reference: 304
Plate and Size: 16(304),22mm

458 *Nuculites obtusus* (Reed, 1908)
Age: Devonian, Eifelian-Frasnian
Stratigraphy: Ponta Grossa Formation
Occurrence: Ponta Grossa, PR
Reference: 73,217,366,367
Plate and Size: 16(366),36mm

459 *Nuculites pacatus* Reed, 1908
Age: Devonian, Eifelian-Frasnian
Stratigraphy: Jaguariaíva Member, Ponta Grossa Formation
Occurrence: Ponta Grossa, PR
Reference: 73,88,100,217,235,315,367
Plate and Size: 16(88),55mm

460 *Nuculites parai* Clarke, 1913
Age: Devonian, Eifelian-Givetian
Stratigraphy: Ererê Formation
Occurrence: Ererê, PA
Reference: 73,88,235
Plate and Size: 16(88),20mm

461 *Nuculites reedi* Clarke, 1913
Age: Devonian, Eifelian-Frasnian
Stratigraphy: Ponta Grossa Formation
Occurrence: Ponta Grossa, PR
Reference: 73,88,217,235,315
Plate and Size: 16(88),32mm

462 *Nuculites sharpei* Reed, 1908
Age: Devonian, Eifelian-Frasnian
Stratigraphy: Jaguariaíva Member, Ponta Grossa Formation
Occurrence: Ponta Grossa, PR

Reference: 73,88,100,217,235,367
Plate and Size: 16(88),39mm

463 *Nuculites smithi* Clarke, 1899
Age: Devonian, Emsian
Stratigraphy: Maecuru Formation
Occurrence: Maecuru, PA
Reference: 86,100,192,193,194,231,235,435
Plate and Size: 16(193),20mm

464 *Nuculites cf triqueter* Conrad, 1841
Age: Devonian, Eifelian-Givetian
Stratigraphy: Ererê Formation
Occurrence: Ererê, PA
Reference: 11,231
Plate and Size: 16(11),12mm

Genus *Palaeoneilo* Hall & Whitfield, 1869

465 *Palaeoneilo magnifica* Clarke, 1913
Age: Devonian, Eifelian-Frasnian
Stratigraphy: Ponta Grossa & Pimenteiras Formations
Occurrence: Ponta Grossa, PR; Picos, PI
Reference: 73,88,100,217,235,300,306,422
Plate and Size: 16(88),60mm

466 *Palaeoneilo orbignyi* Clarke, 1899
Age: Devonian, Emsian
Stratigraphy: Maecuru Formation
Occurrence: Maecuru, PA
Reference: 86,100,193,194,231,235,435
Plate and Size: 16(193),34mm

467 *Palaeoneilo cf otamitensis* Trechmann, 1917
Doubtful identification
Reference: 235,373,374
Plate and Size: 16(373),12mm

468 *Palaeoneilo (?) pondiana* (Hartt & Rathbun, 1875)
Age: Devonian, Eifelian-Givetian
Stratigraphy: Ererê Formation
Occurrence: Ererê, PA
Reference: 86,172,192,193,194,231,235,435
Plate and Size: 16(193),29mm

469 *Palaeoneilo rhysa* Clarke, 1913
Age: Devonian, Eifelian-Frasnian
Stratigraphy: Jaguariaiva Member, Ponta Grossa Formation
Occurrence: Ponta Grossa, PR
Reference: 73,88,217,235,300,422
Plate and Size: 17(88),28mm

470 *Palaeoneilo sancticrucis* Clarke, 1913

Age: Devonian, Eifelian-Frasnian
Stratigraphy: Ponta Grossa & Pimenteiras Formations

Occurrence: Ponta Grossa, PR; Picos, PI
Reference: 73,88,217,231,300,306,422
Plate and Size: 17(88),48mm

471 *Palaeoneilo sculptilis* Clarke, 1913
Age: Devonian, Eifelian-Givetian
Stratigraphy: Ererê Formation
Occurrence: Ererê, PA
Reference: 73,88,235
Plate and Size: 17(88),30mm

472 *Palaeoneilo (?) simplex* Hartt & Rathbun, 1875
Age: Devonian, Eifelian-Givetian
Stratigraphy: Ererê Formation
Occurrence: Ererê, PA
Reference: 86,73,193,231,235,435

473 *Palaeoneilo sulcata* Hartt & Rathbun, 1875
Age: Devonian, Eifelian-Givetian
Stratigraphy: Ererê Formation
Occurrence: Ererê, PA
Reference: 86,173,193,231,235,435
Plate and Size: 17(193),21mm

Subclass PTERIOMORPHIA

Order ARCOIDA

Superfamily ARCOIDEA

Family ARCIDAE

Subfamily ARCINAE

Genus *Arca* Linné, 1758

474 *Arca imbricata* Bruguière, 1789
Age: NeoOligocene to Recent
Stratigraphy: Pirabas Formation
Occurrence: Barreirinhas, MA; Parnaíba, PI
Reference: 71,94,149,392,447
Plate and Size: 17(71),40mm

475 *Arca orestis* Rathbun, 1874
Age: Paleocene
Stratigraphy: Maria Farinha Formation
Occurrence: Maria Farinha & Paulista, PE
Reference: 124,235,365
Size: 32mm

476 *Arca recondita* Sheldon & Maury, 1925
Age: NeoOligocene-EoMiocene
Stratigraphy: Pirabas Formation
Occurrence: Igarapé & Nova Timboteua, PA

Reference: 71,73,124,235,243
Plate and Size: 17(243),16mm
N.B.: species dubiae: 71

477 *Arca umbonata* Lamarck, 1819
Age: NeoOligocene-EoMiocene
Stratigraphy: Pirabas Formation
Occurrence: Luis Correia & Parnaíba, PI
Reference: 131,244
Plate and Size: 17(244),35mm

478 *Arca zebra* (Swainson, 1833)
Age: NeoOligocene to Recent
Stratigraphy: Pirabas Formation
Occurrence: Pirabas, PA; Parnaíba River, PI
Reference: 71,72,73,94,392
Plate and Size: 17(71),40mm

Genus *Barbatia* Gray, 1842

479 *Barbatia camurupimensis* (Maury, 1934)
Age: Cretaceous, Turonian-Maastrichtian
Stratigraphy: Jandaíra Formation
Occurrence: Mossoró, RN
Reference: 35,40,235,247
Plate and Size: 17(247),17mm

480 *Barbatia disclusa* White, 1887
Age: NeoOligocene-EoMiocene
Stratigraphy: Pirabas Formation
Occurrence: Pirabas, PA
Reference: 194,235,445
Plate and Size: 17(445),27mm

481 *Barbatia mossoroensis* (Maury, 1934)
Age: Cretaceous, Turonian-Maastrichtian
Stratigraphy: Jandaíra Formation
Occurrence: Mossoró, RN
Reference: 35,40,235,247
Plate and Size: 17(247),14mm

Subgenus *Cucullaearca* Conrad, 1865

482 *Barbatia (Cucullaearca) candida* (Helbling, 1779)
Age: NeoOligocene to Recent
Stratigraphy: Pirabas Formation
Occurrence: Pirabas, PA
Reference: 94,392
Plate and Size: 17(392),54mm

Subfamily ANADARINAE

Genus *Anadara* Gray, 1847

Subgenus *Scapharca* Gray, 1847

483 *Anadara (Scapharca) agraria* (Sheldon & Maury, 1925)
Age: NeoOligocene-EoMiocene
Stratigraphy: Pirabas Formation
Occurrence: Iparapé & Nova Timboteua, PA
Reference: 71,73,124,235,243
Plate and Size: 17(243),20mm
N.B.: species dubiae: 71

484 *Anadara (Scapharca) agronomica* (Sheldon & Maury, 1925)
Age: NeoOligocene-EoMiocene
Stratigraphy: Pirabas Formation
Occurrence: Iparapé & Nova Timboteua, PA
Reference: 71,73,124,148,235,243
Plate and Size: 17(243),14mm
N.B.: species dubiae: 71

485 *Anadara (Scapharca) crandalli* (Sheldon & Maury, 1925)
Age: NeoOligocene-EoMiocene
Stratigraphy: Pirabas Formation
Occurrence: Pirabas, PA
Reference: 71,73,124,235,243
Plate and Size: 17(243),15mm
Synonymy: *A. pinguens* (Sheldon & Maury, 1925)

486 *Anadara (Scapharca) deshayesi* Hanley, 1842
Age: Miocene
Stratigraphy: Pelotas Basin
Occurrence: Pelotas, RS
Reference: 91,244
Plate and Size: 17(244),25mm

487 *Anadara (Scapharca) egleri* Ferreira, 1964
Age: NeoOligocene-EoMiocene
Stratigraphy: Pirabas Formation
Occurrence: Parnaíba, PI; Pirabas, PA
Reference: 71,124,131
Plate and Size: 17(131),21mm

488 *Anadara (Scapharca) inaequilateralis* (Guppy, 1866)
Age: NeoOligocene-EoMiocene
Stratigraphy: Pirabas Formation
Occurrence: Pirabas, PA
Reference: 64,134,148,235,243,447
Plate and Size: 17(243),30mm

489 *Anadara (Scapharca) paraensis* (White, 1887)
Age: NeoOligocene-EoMiocene

Stratigraphy: Pirabas Formation

Occurrence: Pirabas, PA

Reference: 71,73,124,194,235,243,445

Plate and Size: 17(243),11mm

Synonymy: *A. pertenuicostata* (Sheldon & Maury, 1925); *A. vanwinkleae* (Sheldon & Maury, 1925)

490 *Anadara* (*Scapharca*) *textilicostata* (White, 1887)

Age: NeoOligocene-EoMiocene

Stratigraphy: Pirabas Formation

Occurrence: Pirabas, PA

Reference: 71,73,124,134,148,194,235,243,445, 447

Plate and Size: 17(243),16mm

Synonymy: *A. heneckeni*: Maury, 1925 non Maury, 1917; *A. melloi* (Sheldon & Maury, 1925); *A. inequilateralis*: White, 1887 non Guppy

Subgenus *Cunearca* Dall, 1898

491 *Anadara* (*Cunearca*) *brasiliiana* (Lamarck, 1819)

Age: NeoOligocene to Recent

Stratigraphy: Pirabas Formation

Occurrence: Pirabas, PA; Parnaíba River, PI; São Marcos, MA

Reference: 71,72,73,94,124,149,235,243,392

Plate and Size: 17(243),30mm

Synonymy: *A. crashleyi* (Sheldon & Maury, 1925)

Family NOETIIDAE

Subfamily NOETIINAE

Genus *Noetia* Gray, 1857

492 *Noetia trinitaria* (Guppy, 1866)

Age: NeoOligocene-EoMiocene

Stratigraphy: Pirabas Formation

Occurrence: Parnaíba, PI

Reference: 131,244

Plate and Size: 17(244),25mm

Family PARALLELODONTIDAE

Subfamily PARALLELODONTINAE

Genus *Parallelodon* Meek & Worthen, 1866

Synonymy: *Macrodon* Buckman, 1845

493 *Parallelodon hartti* Mendes, 1966

Age: Carboniferous, Westphalian

Stratigraphy: Itaituba Formation

Occurrence: Itaituba, PA

Reference: 119,235,267,269

Plate and Size: 17(267),26mm

Synonymy: *P. tenuilineatus*: Derby, 1894 non Meek & Worthen

Family CUCULLAEIDAE

Genus *Cucullaea* Lamarck, 1801

494 *Cucullaea dutrae* Maury, 1925

Age: Cretaceous, Albion-Cenomanian

Stratigraphy: Algodões Formation

Occurrence: Marau, BA

Reference: 54,57,73,235,243

Plate and Size: 17(243),61mm

495 *Cucullaea erda* Maury, 1930

Age: Cretaceous, Campanian-Maastrichtian

Stratigraphy: Gramame Formation

Occurrence: Gramame River, João Pessoa, PB

Reference: 73,235,246

Plate and Size: 17(246),65mm

496 *Cucullaea freia* Maury, 1930

Age: Cretaceous, Campanian-Maastrichtian

Stratigraphy: Gramame Formation

Occurrence: Gramame River, João Pessoa, PB

Reference: 73,235,246

Plate and Size: 18(246),72mm

497 *Cucullaea isolda* Maury, 1930

Age: Cretaceous, Campanian-Maastrichtian

Stratigraphy: Gramame Formation

Occurrence: Gramame River, João Pessoa, PB

Reference: 73,235,246

Plate and Size: 17(246),84mm

Genus *Lopatinia* Schmidt, 1872

Subgenus *Pseudocucullaea* Solger, 1903

Synonymy: *Eusebia* Maury, 1930

498 *Lopatinia* (*Pseudocucullaea*) *stantoni* (Maury, 1930)

Age: Cretaceous, Campanian-Maastrichtian

Stratigraphy: Gramame Formation

Occurrence: Gramame River, João Pessoa, PB; Aracaju, SE

Reference: 73,226,235,246,305

Plate and Size: 18(246),82mm

Genus *Idonearca* Conrad, 1862

499 *Idonearca hartti* (Rathbun, 1874)

Age: Paleocene

Stratigraphy: Maria Farinha Formation

Occurrence: Maria Farinha & Paulista, PE
Reference: 124,235,348,365,445,447
Plate and Size: 18(445),30mm
Synonymy: *Cucullaea subcentralis*: White, 1887
non Rathbun, 1874

Superfamily LIMOPSOIDEA
Family GLYCYMERIDAE

Genus *Glycymeris* da Costa, 1778
Synonymy: *Panopea* Ménard, 1807

500 *Glycymeris acuticostata* (Sowerby, 1850)
Age: NeoOligocene-EoMiocene
Stratigraphy: Pirabas Formation
Occurrence: Pirabas, PA; Barreirinhas, MA
Reference: 73,124,235,243,449
Plate and Size: 18(243),14mm
Synonymy: *G.linda* Maury, 1925; *G.naiadis* Maury, 1925

501 *Glycymeris bineminis* (White, 1887)
Age: NeoOligocene-EoMiocene
Stratigraphy: Pirabas Formation
Occurrence: Pirabas, Primavera & Salinas, PA;
Barreirinhas, MA
Reference: 8,13,73,124,148,149,194,235,243,445,
449
Plate and Size: 18(243),32mm
Synonymy: *G.crashleyi* Maury, 1925

502 *Glycymeris brasiliensis* White, 1887
Age: Cretaceous, Albion-Cenomanian
Stratigraphy: Riachuelo Formation
Occurrence: Maruim, SE
Reference: 235,249,445
Plate and Size: 18(445),73mm

503 *Glycymeris eumila* Maury, 1925
Age: NeoOligocene-EoMiocene
Stratigraphy: Pirabas Formation
Occurrence: Pirabas, Estação Agronômica &
Primavera, PA
Reference: 73,124,148,235,243,449
Plate and Size: 18(243),17mm
Synonymy: *G.eumila* auctt. err. typogr.

504 *Glycymeris ibari* (Philippi, 1887)
Age: Miocene
Stratigraphy: Pelotas Basin
Occurrence: Cassapi & Pelotas, RS
Reference: 191,241,338,357
Plate and Size: 18(338),90mm

505 *Glycymeris longior* (Sowerby, 1833)
Age: Miocene to Recent
Stratigraphy: Pelotas Basin
Occurrence: Pelotas, RS
Reference: 91,392
Plate and Size: 18(392),26mm

506 *Glycymeris pirabasensis* (White, 1887)
Age: NeoOligocene-EoMiocene
Stratigraphy: Pirabas Formation
Occurrence: Pirabas, PA
Reference: 73,124,148,194,235,243,445,449
Plate and Size: 18(243),22mm
Synonymy: *G.pirabensis* auctt.,err. typogr.;
G.baumannii Maury, 1925

507 *Glycymeris rathbuni* White, 1887
Age: Cretaceous, Albion-Cenomanian
Stratigraphy: Riachuelo Formation
Occurrence: Maruim, SE
Reference: 235,249,445
Plate and Size: 18(445),49mm

Genus *Trigonarca* Conrad, 1862

508 *Trigonarca aff furoni* Dartevelle
Age: Cretaceous, Cenomanian-Coniacian
Stratigraphy: Cotinguiba Formation
Occurrence: Laranjeiras, SE
Reference: 13,27

509 *Trigonarca jessupae* Maury, 1930
Age: Cretaceous, Campanian-Maastrichtian
Stratigraphy: Gramame Formation
Occurrence: Gramame River, João Pessoa, PB
Reference: 73,235,246
Plate and Size: 19(246),85mm

510 *Trigonarca aff thevestensis* (Coquand, 1862)
Age: Cretaceous, Cenomanian-Coniacian
Stratigraphy: Cotinguiba Formation
Occurrence: Laranjeiras, SE
Reference: 13,27

Order MYTILOIDA
Superfamily MYTILOIDEA
Family MYTILIDAE
Subfamily MYTILINAE

Genus *Mytilus* Linné, 1758

511 *Mytilus rosadoi* Oliveira, 1962
Age: Cretaceous, Albion-Cenomanian
Stratigraphy: Açú Formation

Occurrence: Russas, CE

Reference: 73,123,410,411,412

Plate and Size: 19(123),6mm

512 *Mytilus vidali* Ferreira & Cunha, 1959

Age: NeoOligocene-EoMiocene

Stratigraphy: Pirabas Formation

Occurrence: Pirabas, & Capanema, PA

Reference: 124,148

Plate and Size: 19(148),50mm

Genus *Brachidontes* Swainson, 1840

513 *Brachidontes axistriatus* Beurlen, 1964

Age: Cretaceous, Turonian

Stratigraphy: Açú Formation

Occurrence: Sebastianópolis, Mossoró, RN

Reference: 35,40

Plate and Size: 19(35),22mm

514 *Brachidontes eoexustus* Klein & Ferreira, 1979

Age: Cretaceous, Cenomanian-Santonian

Stratigraphy: Itapecuru Formation

Occurrence: São Luís, MA

Reference: 209

Plate and Size: 18(209),12mm

515 *Brachidontes solisianus* (Orbigny, 1846)

Age: Pliocene to Recent

Stratigraphy: Turiaçu Formation

Occurrence: Turiaçu, MA

Reference: 73,235,243,392

Plate and Size: 19(243),22mm

?Genus *Coxesia* Mendes, 1952

516 *Coxesia mezzalirai* Mendes, 1952

Age: Permian, Kanasian

Stratigraphy: Corumbatai Formation, Passa Dois Group

Occurrence: Rio Claro Region, SP

Reference: 73,213,260,280,282,283,408,421

Plate and Size: 19(260),10mm

Subfamily MODIOLINAE

Genus *Modiolus* Lamarck, 1799

Synonymy: *Volsella* Scopoli, 1777

517 *Modiolus arvoredensis* (Maury, 1934)

Age: Cretaceous, Turonian

Stratigraphy: Açú Formation

Occurrence: Arvoredo, Macaíba, RN

Reference: 35,235,247

Plate and Size: 19(247),16mm

518 *Modiolus camurupimicus* Maury, 1934

Age: Cretaceous, Turonian

Stratigraphy: Açú Formation

Occurrence: Camurupim, Mossoró, RN

Reference: 35,235,247

Plate and Size: 19(247),11mm

519 *Modiolus declivus* (White, 1887)

Age: Cretaceous, Albian-Cenomanian

Stratigraphy: Riachuelo Formation

Occurrence: Maruim, SE

Reference: 235,249,313,445

Plate and Size: 19(249),26mm

520 *Modiolus domingosi* Ferreira & Cunha, 1959

Age: NeoOligocene-EoMiocene

Stratigraphy: Pirabas Formation

Occurrence: Pirabas, PA

Reference: 124,148

Plate and Size: 19(148),30mm

521 *Modiolus cf dreysseniformis* (Waagen)

Doubtful identification

Reference: 217,235

522 *Modiolus maroimensis* (White, 1887)

Age: Cretaceous, Albian-Cenomanian

Stratigraphy: Riachuelo Formation

Occurrence: Coqueiro & Maruim, SE

Reference: 235,249,308

Plate and Size: 19(249),20mm

523 *Modiolus sanharicus* Maury, 1937

Age: Cretaceous, Albian-Cenomanian

Stratigraphy: Riachuelo Formation

Occurrence: Sanhara, SE

Reference: 13,73,235,249,313

Plate and Size: 19(249),62mm

524 *Modiolus typicus* (Forbes, 1846)

Age: Cretaceous, Turonian-Santonian

Stratigraphy: Beberibe Formation

Occurrence: Beberibe, PE

Reference: 27,377,431

Plate and Size: 19(431),18mm

Genus *Mytella* Soot-Ryen, 1955

525 *Mytella charruana* (Orbigny, 1842)

Age: Pliocene to Recent

Stratigraphy: Turiaçu Formation

Occurrence: Turiacu, MA
Reference: 73,235,243,392
Plate and Size: 19(243),45mm
Synonymy: *M. falcata* (Orbigny, 1842)

Genus *Promytilus* Newell, 1942

526 *Promytilus spoliatus* Beurlen in Lange, 1954
nomen nudum
Reference: 217,387

?Genus *Phthonia* Hall, 1870

527 *Phthonia* (?) *epops* Clarke, 1913
Age: Devonian, Eifelian-Frasnian
Stratigraphy: Jaguariaiva Member, Ponta Grossa Formation
Occurrence: Ponta Grossa, PR
Reference: 88,100,217,235,301,422
Plate and Size: 19(88),31mm
N.B.: *Pholadella* (?): 301

Subfamily LITHOPHAGINAE

Genus *Lithophaga* Röding, 1798

528 *Lithophaga pooli* Dawson
Age: Carboniferous, Westphalian
Stratigraphy: Itaituba Formation
Occurrence: Urucará & Jatapu River, AM
Reference: 73,122,235
Plate and Size: 19(122),28mm

Subfamily CRENELLINAE

Genus *Botula* Mörch, 1853?

529 *Botula* cf *plumosa* Stephenson, 1952
Age: Cretaceous, Turonian
Stratigraphy: Açu Formation
Occurrence: Sebastianópolis, Mossoró, RN
Reference: 35,40
Plate and Size: 19(35),33mm

Order PTERIOIDA

Suborder PTERIINA

Superfamily AMBONYCHIOIDEA

Family MYALINIDAE

Genus *Myalina* de Koninck, 1842

530 *Myalina amazonica* (Mendes, 1966)
Age: Carboniferous, Westphalian
Stratigraphy: Itaituba Formation

Occurrence: Itaituba, PA
Reference: 267,269
Plate and Size: 19(267),26mm

531 *Myalina kansasensis* Shumard, 1863
Age: Carboniferous, Westphalian
Stratigraphy: Itaituba Formation
Occurrence: Itaituba, PA; Jatapu River, AM
Reference: 73,119,122,235
Plate and Size: 19(122),33mm

532 *Myalina keokuki* Worthen, 1875
Age: Carboniferous, Westphalian
Stratigraphy: Itaituba Formation
Occurrence: Urucará & Jatapu River, AM
Reference: 73,122,164,235
Plate and Size: 19(122),19mm

533 *Myalina obliqua* (Beurlen in Lange, 1959)
nomen nudum
Reference: 217,397

534 *Myalina swallowi* McChesney, 1867
Age: Carboniferous, Westphalian
Stratigraphy: Itaituba Formation
Occurrence: Jatapu River, AM
Reference: 73,122
Plate and Size: 19(122),36mm

535 *Myalina wyominguensis* Lea, 1853
Age: Carboniferous, Westphalian
Stratigraphy: Itaituba Formation
Occurrence: Urucará & Jatapu River, AM
Reference: 73,122,164,235
Plate and Size: 19(122),30mm

Genus *Septimyalina* Newell, 1942

536 *Septimyalina lanei* Mendes, 1966
Age: Carboniferous, Westphalian
Stratigraphy: Itaituba Formation
Occurrence: Itaituba, PA
Reference: 75,267
Plate and Size: 19(267),26mm

Genus *Anthraconaia* Trueman & Weir, 1946

537 *Anthraconaia mezzalirai* Maranhão in Simões e Fittipaldi, 1987 nomen nudum
Reference: 236,421

Superfamily PTERIOIDEA
Family PTERIIDAE

Genus *Pteria* Scopoli, 1777

538 *Pteria* cf *bakewellia*

Doubtful Identification

Reference: 235

N.B.: related 3 forms: *P.b.carinata* (King); *P.b.parva* (Meek & Worthen) and *P.b.sedgwinckiana* King

539 *Pteria camurupimica* Maury, 1934

Age: Cretaceous, Turonian

Stratigraphy: Açu Formation

Occurrence: Camurupim & Apodi, Mossoró, RN

Reference: 35,235,247

Plate and Size: 19(247),10mm

540 *Pteria duartei* Mendes, 1966

Age: Carboniferous, Westphalian

Stratigraphy: Itaituba Formation

Occurrence: Itaituba, PA

Reference: 267,269

Plate and Size: 19(267),32mm

541 *Pteria infelix* White, 1887

Age: Cretaceous, Albion-Cenomanian

Stratigraphy: Riachuelo Formation

Occurrence: Maruim, SE

Reference: 235,249,445

Plate and Size: 20(445),70mm

542 *Pteria invalida* White, 1887

Age: Paleocene

Stratigraphy: Maria Farinha Formation

Occurrence: Maria Farinha & Igarassu, PE

Reference: 235,445

Plate and Size: 20(445),12mm

543 *Pteria linguiformis* Evans & Shumard, 1864

Age: Cretaceous, Cenomanian

Stratigraphy: Cotinguiba Formation

Occurrence: Pirabas, PA; São Gonçalo, Coqueiro & Lastro, SE

Reference: 13,194,445

Plate and Size: 19(445),40mm

544 *Pteria* cf *longa* Geinitz, 1866 ?

Age: Carboniferous, Westphalian

Stratigraphy: Itaituba Formation

Occurrence: Itaituba, PA

Reference: 235,267,418

Plate and Size: 20(418),35mm

545 *Pteria mossoroensis* Maury, 1934

Age: Cretaceous, Albion-Cenomanian

Stratigraphy: Apodi Formation

Occurrence: Mossoró, RN

Reference: 35,235,247

Plate and Size: 20(247),10mm

546 *Pteria serini* Maury, 1925

Age: NeoOligocene-EoMiocene

Stratigraphy: Pirabas Formation

Occurrence: Pirabas, PA; Barreirinhas, MA; Parnaíba, PI

Reference: 73,124,131,139,148,149,235,243

Plate and Size: 20(243),30mm

Family ISOGNOMONIDAE

Genus *Isognomon* Solander in Lightfoot, 1786

547 *Isognomon arvoredensis* (Maury, 1934)

Age: Cretaceous, Turonian-Maastrichtian

Stratigraphy: Jandaira Formation

Occurrence: Arvoredo & Mossoró, RN

Reference: 35,40,235,247

Plate and Size: 20(247),28mm

548 *Isognomon petaloideus* (White, 1887)

Age: Paleocene

Stratigraphy: Maria Farinha Formation

Occurrence: Maria Farinha & Paulista, PE

Reference: 124,235,445

Plate and Size: 20(445),40mm

Family BAKEVELLIIDAE

Genus *Gervillia* DeFrance, 1820

Synonymy: *Gervilleia* Rominger, 1846

549 *Gervillia dissita* White, 1887

Age: Cretaceous, Albion-Cenomanian

Stratigraphy: Riachuelo Formation

Occurrence: Maruim & Coqueiro, SE

Reference: 194,235,249,445

Plate and Size: 20(445),40mm

550 *Gervillia regoi* Maury, 1937

Age: Cretaceous, Albion-Cenomanian

Stratigraphy: Riachuelo Formation

Occurrence: P.Carregoza, SE

Reference: 73,235,249

Plate and Size: 20(249),70mm

?Genus *Euptera* Dartevelle in Dartevelle & Freneix, 1957

551 *Euptera* cf *flicki* Pervinquière

Age: Cretaceous, Aptian

Stratigraphy: Santana Formation
Occurrence: Araripe, SE
Reference: 223,230

Family PTERINEIDAE

Genus *Ptychopteria* Hall, 1883
Subgenus *Actinopteria* Hall, 1884

552 *Ptychopteria (Actinopteria) echwegii* (Clarke, 1899)

Age: Devonian, Emsian
Stratigraphy: Maecuru Formation
Occurrence: Maecuru & Curuá, PA
Reference: 86,100,104,231,235
Plate and Size: 20(86),31mm

553 *Ptychopteria (Actinopteria) humboldti* (Clarke, 1899)

Age: Devonian, Emsian to Givetian
Stratigraphy: Maecuru & Ererê Formations
Occurrence: Maecuru & Ererê, PA
Reference: 86,104,192,193,194,231,235,435
Plate and Size: 20(193),50mm

554 *Ptychopteria (Actinopteria) langei* Petri, 1967

Age: Devonian, Eifelian-Frasnian
Stratigraphy: Ponta Grossa Formation
Occurrence: Ponta Grossa, PA
Reference: 231,352,422
Plate and Size: 20(352),76mm

555 *Ptychopteria (Actinopteria) textilis* (Hall, 1884)

Age: Devonian, Emsian
Stratigraphy: Maecuru Formation
Occurrence: Maecuru, PA
Reference: 170,235,418
Plate and Size: 20(418),30mm
N.B.: a subspecies: *A.t.arenaria* Hall

Genus *Leptodesma* Hall, 1883
Subgenus *Leptodesma* s.s.

556 *Leptodesma (Leptodesma) langei* Muniz, 1979

Age: Devonian, Frasnian-Fammenian
Stratigraphy: Inajá Formation
Occurrence: Tacaratu, PE
Reference: 304
Plate and Size: 20(304),37mm

557 *Leptodesma (Leptodesma) occidentalis* (Girty, 1927)

Age: Carboniferous, Westphalian

Stratigraphy: Itaituba Formation
Occurrence: Urucará & Jatapu River, AM
Reference: 73,122,235,343
Plate and Size: 20(122),10mm

Subgenus *Leiopteria* Hall, 1883

558 *Leptodesma (Leiopteria) browni* (Clarke, 1899) comb.n.

Age: Devonian, Emsian to Givetian
Stratigraphy: Maecuru & Ererê Formations
Occurrence: Maecuru & Ererê, PA
Reference: 86,100,192,193,194,231,235,435
Plate and Size: 20(193),35mm

559 *Leptodesma (Leiopteria) obliqua* (Beurlen in Lange, 1954)

nomen nudum
Reference: 215,397

560 *Leptodesma (Leiopteria) sawkinsi* (Clarke, 1899) comb.n.

Age: Devonian, Emsian
Stratigraphy: Maecuru Formation
Occurrence: Curuá & Maecuru, PA
Reference: 86,193,231,235,435
Plate and Size: 20(193),30mm

Genus *Katzeria* Mendes, 1966

561 *Katzeria splendida* Mendes, 1966

Age: Carboniferous, Westphalian
Stratigraphy: Itaituba Formation
Occurrence: Itaituba & Bom Jardim, PA
Reference: 267,269
Plate and Size: 20(267),22mm

?Genus *Barbosaia* Mendes, 1952

562 *Barbosaia angulata* Mendes, 1952

Age: Permian, Kazanian
Stratigraphy: Corumbatai Formation, Passa Dois Group
Occurrence: Rio Claro Region, SP; Irati, PR
Reference: 22,213,236,260,277,280,283,408,420
Plate and Size: 20(277),17mm

563 *Barbosaia gordonii* Mendes, 1954

Age: Permian, Kazanian
Stratigraphy: Corumbatai Formation, Passa Dois Group
Occurrence: Reserva, PR
Reference: 73,263,408
Plate and Size: 20(263),7mm

564 *Barbosaia roxoi* Maranhão in Simões & Fittipaldi, 1987
nomen nudum
Reference: 236,420,421

Family INOCERAMIDAE

Genus *Inoceramus* Sowerby, 1814

565 *Inoceramus apicalis* Woods, 1911
Age: Cretaceous, Cenomanian-Coniacian
Stratigraphy: Cotinguiba Formation
Occurrence: Japarutuba & Laranjeiras, SE
Reference: 13,107,195,204
Plate and Size: 20(204),30mm

566 *Inoceramus braziliensis* (White, 1887)
Age: Cretaceous, Albian-Cenomanian
Stratigraphy: Riachuelo Formation
Occurrence: Garajau, SE
Reference: 37,38,173,235,249,445
Plate and Size: 20(445),50mm

567 *Inoceramus calumbiensis* Oliveira, 1940
Age: Cretaceous, Santonian-Maastrichtian
Stratigraphy: Piaçabuçu Formation
Occurrence: Calumbi River, SE
Reference: 73,173,235,322
Plate and Size: 20(322),25mm

568 *Inoceramus capulus* Shumard, 1860
Age: Cretaceous, Cenomanian-Coniacian
Stratigraphy: Cotinguiba Formation
Occurrence: Itaporanga & Japarutuba, SE
Reference: 13,295
Plate and Size: 21(295),80mm

569 *Inoceramus cuvieri* Sowerby, 1814
Age: Cretaceous, Cenomanian-Coniacian
Stratigraphy: Cotinguiba Formation
Occurrence: Japarutuba & Laranjeiras, SE
Reference: 13,107,195,204
Plate and Size: 21(107),80mm

570 *Inoceramus dominguesi* Maury, 1930
Age: Cretaceous, Campanian-Maastrichtian
Stratigraphy: Gramame Formation
Occurrence: Gramame River, João Pessoa, PB
Reference: 73,235,246
Plate and Size: 21(246),35mm

571 *Inoceramus perplexus* Whitfield, 1877
Age: Cretaceous, Turonian
Stratigraphy: Cotinguiba Formation

Occurrence: Japarutuba & Laranjeiras, SE
Reference: 13,93,195
Plate and Size: 21(93),52mm

572 *Inoceramus pictus* Sowerby, 1829
Age: Cretaceous, Cenomanian
Stratigraphy: Cotinguiba Formation
Occurrence: Itaporanga & Japarutuba, SE
Reference: 13,107,195,204
Plate and Size: 21(107),78mm

573 *Inoceramus remoratus* Santos, 1963
Age: Cretaceous, Cenomanian-Coniacian
Stratigraphy: Cotinguiba Formation
Occurrence: N.S.Socorro, SE
Reference: 13,73,173,413
Plate and Size: 21(413),78mm

574 *Inoceramus tenuistriatus* Nagao & Matsumoto, 1939
Age: Cretaceous, Cenomanian
Stratigraphy: Cotinguiba Formation
Occurrence: Itaporanga & Japarutuba, SE
Reference: 13,195,204
Plate and Size: 21(204),26mm

575 *Inoceramus urubuensis* Maury, 1937
Age: Cretaceous, Albian-Cenomanian
Stratigraphy: Riachuelo Formation
Occurrence: Urubu, SE
Reference: 37,73,173,235,249
Plate and Size: 21(249),35mm

576 *Inoceramus wanderleyi* Santos, 1963
Age: Cretaceous, Cenomanian-Coniacian
Stratigraphy: Cotinguiba Formation
Occurrence: N.S.Socorro, SE
Reference: 13,73,413
Plate and Size: 21(413),85mm

Subgenus *Haenleinia* J.Böhm, 1907

Synonymy: *Cordiceramus* Heinz, 1932

577 *Inoceramus (Haenleinia) baixaverdensis* Maury, 1925
Age: Cretaceous, Turonian-Maastrichtian
Stratigraphy: Jandaira Formation
Occurrence: Baixa Verde & Mossoró, RN
Reference: 35,40,73,173,235,243,419
Plate and Size: 21(243),130mm

578 *Inoceramus (Haenleinia) koeplitzi* Seitz, 1961
Age: Cretaceous, Turonian-Maastrichtian
Stratigraphy: Jandaira Formation

Occurrence: Mossoró, RN
Reference: 40,173
Plate and Size: 21(40),60mm

Genus *Sergipia* Maury, 1925

579 *Sergipia hartti* Hessel, 1988
Age: Cretaceous, Turonian
Stratigraphy: Cotinguiba Formation
Occurrence: Laranjeiras, SE
Reference: 175
Plate and Size: 21(175),47mm

580 *Sergipia posidonomyaformis* (Maury, 1925)
Age: Cretaceous, Cenomanian-Coniacian
Stratigraphy: Cotinguiba Formation
Occurrence: Laranjeiras, SE
Reference: 173,175,235,243,249,313
Plate and Size: 21(243),18mm

Genus *Mytiloides* Brongniart, 1822

581 *Mytiloides dresdensis* (Tröger, 1967)
Age: Cretaceous, Coniacian
Stratigraphy: Cotinguiba Formation
Occurrence: Laranjeiras-N.S.Socorro, SE
Reference: 13,195,204
Plate and Size: 21(204),45mm

582 *Mytiloides fiegei* (Tröger, 1967)
Age: Cretaceous, Coniacian
Stratigraphy: Cotinguiba Formation
Occurrence: Laranjeiras-N.S.Socorro, SE
Reference: 13,195,204
Plate and Size: 21(204),68mm

583 *Mytiloides aff goppelnensis* (Badillet & Sornay, 1980)
Age: Cretaceous, Turonian
Stratigraphy: Cotinguiba Formation
Occurrence: Laranjeiras, SE
Reference: 175
Plate and Size: 21(175),46mm

584 *Mytiloides hercynicus* (Petrascheck, 1904)
Age: Cretaceous, Turonian
Stratigraphy: Cotinguiba Formation
Occurrence: Laranjeiras, SE
Reference: 175,195
Plate and Size: 21(175),46mm

585 *Mytiloides labiatus* (Schlotheim, 1813)
Age: Cretaceous, Cenomanian to Santonian
Stratigraphy: Cotinguiba, Açú & Beberibe

Formations
Occurrence: Cedro, Japarutuba & Laranjeiras, SE;
Mossoró, RN
Reference: 13,27,35,40,73,107,173,235,249,290
Plate and Size: 21(290),63mm
N.B.: 2 subspecies: *M.l.cedroensis* (Maury, 1937)
and *M.l.sergipensis* (Maury, 1937)

586 *Mytiloides lusatie* (Andert, 1911)
Age: Cretaceous, Coniacian
Stratigraphy: Cotinguiba Formation
Occurrence: Laranjeiras-N.S.Socorro, SE
Reference: 13,195,204
Plate and Size: 21(204),54mm

587 *Mytiloides modeliaensis* (Sornay, 1981)
Age: Cretaceous, Turonian
Stratigraphy: Cotinguiba Formation
Occurrence: Laranjeiras, SE
Reference: 175
Plate and Size: 21(175),22mm

588 *Mytiloides mytiloides* (Mantell, 1822)
Age: Cretaceous, Turonian
Stratigraphy: Cotinguiba Formation
Occurrence: Laranjeiras, SE
Reference: 175,195
Plate and Size: 22(175),53mm

589 *Mytiloides opalensis* (Bose, 1923)
Age: Cretaceous, Turonian
Stratigraphy: Cotinguiba Formation
Occurrence: Japarutuba & Laranjeiras, SE
Reference: 13,93
Plate and Size: 22(93),30mm

590 *Mytiloides striatoconcentricus* (Gumbel, 1868)
Age: Cretaceous, Turonian-Coniacian
Stratigraphy: Cotinguiba Formation
Occurrence: Japarutuba & Laranjeiras, SE
Reference: 13,195,204
Plate and Size: 22(204)63mm

591 *Mytiloides subhercynicus* (Seitz, 1934)
Age: Cretaceous, Turonian
Stratigraphy: Cotinguiba Formation
Occurrence: Japarutuba & Laranjeiras, SE
Reference: 13,93
Plate and Size: 22(93)30mm

592 *Mytiloides aff submytiloides* (Seitz, 1935)
Age: Cretaceous, Turonian
Stratigraphy: Cotinguiba Formation
Occurrence: Laranjeiras, SE

Reference: 175,204
Plate and Size: 22(204),70mm

593 *Mytiloides transiens* (Seitz, 1935)
Age: Cretaceous, Turonian
Stratigraphy: Cotinguiba Formation
Occurrence: Laranjeiras, SE
Reference: 175
Plate and Size: 22(175),40mm

Genus *Rhyssomytiloides* Hessel, 1988

594 *Rhyssomytiloides alatus* (Hessel, 1985)
Age: Cretaceous, EoTuronian
Stratigraphy: Cotinguiba Formation
Occurrence: São Roque, Aracaju, SE
Reference: 174,175,195
Plate and Size: 22(175),42mm

595 *Rhyssomytiloides bengtsoni* Hessel, 1988
Age: Cretaceous, Turonian
Stratigraphy: Cotinguiba Formation
Occurrence: Laranjeiras, SE
Reference: 175
Plate and Size: 22(175),38mm

596 *Rhyssomytiloides beurleni* Hessel, 1988
Age: Cretaceous, Turonian
Stratigraphy: Cotinguiba Formation
Occurrence: Laranjeiras, SE
Reference: 175
Plate and Size: 22(175),38mm

597 *Rhyssomytiloides mauryae* (Hessel, 1985)
Age: Cretaceous, EoTuronian
Stratigraphy: Cotinguiba Formation
Occurrence: Laranjeiras, Aracaju, SE
Reference: 174,175,195
Plate and Size: 22(175),37mm

598 *Rhyssomytiloides retirensis* Hessel, 1988
Age: Cretaceous, Turonian
Stratigraphy: Cotinguiba Formation
Occurrence: Laranjeiras, SE
Reference: 175
Plate and Size: 22(175),37mm

Genus *Cremnoceramus* Cox, 1969

599 *Cremnoceramus* (?) *rotundatus* (Fiege, 1930)
Age: Cretaceous, Coniacian
Stratigraphy: Cotinguiba Formation
Occurrence: Laranjeiras-N.S.Socorro, SE
Reference: 13,204

Plate and Size: 22(204),56mm

600 *Cremnoceramus* (?) *walterdorfensis* (Andert, 1911)
Age: Cretaceous, Coniacian
Stratigraphy: Cotinguiba Formation
Occurrence: Laranjeiras-N.S.Socorro, SE
Reference: 13,195,204
Plate and Size: 22(204),53mm

Suborder PINNINA
Superfamily PINNOIDEA
Family PINNIDAE

Genus *Pinna* Linné, 1758

601 *Pinna decussata* Goldfuss, 1827
Age: Cretaceous, Albion-Cenomanian
Stratigraphy: Algodões Formation
Occurrence: Camamu, BA
Reference: 54,57,73,377
Plate and Size: 22(57),80mm

602 *Pinna reginamaris* Maury, 1930
Age: Cretaceous, Campanian-Maastrichtian
Stratigraphy: Gramame Formation
Occurrence: Gramame River, João Pessoa, PB
Reference: 73,224,235,246
Plate and Size: 22(246),270mm

Genus *Atrina* Gray, 1842

603 *Atrina laticostata* (Stoliczka, 1870)
Age: Cretaceous, Turonian-Santonian
Stratigraphy: Beberibe Formation
Occurrence: Beberibe, PE
Reference: 27,431,432
Plate and Size: 22(431),300mm

604 *Atrina pirabensis* Ferreira & Cunha, 1959
Age: EoMiocene
Stratigraphy: Pirabas Formation
Occurrence: Pirabas, PA
Reference: 124,148
Plate and Size: 22(148),45mm

Genus *Pteronites* McCoy in Griffith, 1844
Synonymy: *Aviculopina* Meek, 1864

605 *Pteronites americana* (Meek, 1875) comb.n.
Age: Carboniferous, Westphalian
Stratigraphy: Itaituba Formation
Occurrence: Urucará, Capucapu & Jatapu River, AM

Reference: 73,122,235

Plate and Size: 23(122),16mm

606 *Pteronites peracuta* (Shumard,1858) comb.n?

Age: Carboniferous, Westphalian

Stratigraphy: Itaituba Formation

Occurrence: Itaituba, PA

Reference: 119,164,235

Plate and Size: 23(164),90mm

Order LIMOIDA

Superfamily LIMOIDEA

Family LIMIDAE

Genus *Lima* Bruguière, 1797

Synonymy: *Mantellum* Röding, 1798

607 *Lima algodoensis* Maury, 1925

Age: Cretaceous, Albian-Cenomanian

Stratigraphy: Algodões Formation

Occurrence: Marau, BA

Reference: 54,57,73,235,243

Plate and Size: 23(243),10mm

608 *Lima graptæa* (Maury, 1925)

Age: EoMiocene

Stratigraphy: Pirabas Formation

Occurrence: Pirabas, PA

Reference: 73,124,132,148,235,243

Plate and Size: 23(132),20mm

609 *Lima retifera* Shumard, 1858

Age: Carboniferous, Westphalian

Stratigraphy: Itaituba Formation

Occurrence: Itaituba, PA; Jatapu River, AM

Reference: 73,119,122,166,194,235,267

Plate and Size: 23(194),15mm

Genus *Pseudolimea* Arkell, 1932

610 *Pseudolimea interplicosa* (Stoliczka, 1871)

Age: Cretaceous, Turonian

Stratigraphy: Cotinguiba Formation

Occurrence: Japarutuba & Laranjeiras, SE-

Reference: 13,432

Plate and Size: 23(432),12mm

611 *Pseudolimea neglecta* Tate

Age: Cretaceous, Albian-Cenomanian

Stratigraphy: Riachuelo Formation

Occurrence: Maruim, SE

Reference: 37

612 *Pseudolimea sergipica* (Maury, 1934)

Age: Cretaceous, Albian-Cenomanian

Stratigraphy: Riachuelo Formation

Occurrence: Aroeira, SE

Reference: 13,37,235,445

Plate and Size: 23(445),19mm

Synonymy: *Lima interlineata* White, 1887 nomen pre-occupied

Genus *Limatula* Wood, 1839

613 *Limatula turgidula* (White, 1887)

Age: Cretaceous, Albian-Cenomanian

Stratigraphy: Riachuelo Formation

Occurrence: Maruim, SE

Reference: 235,249,313,445

Plate and Size: 23(445),15mm

Genus *Acesta* H. & A. Adams, 1858

614 *Acesta apodiensis* (Beurlen, 1964)

Age: Cretaceous, Turonian

Stratigraphy: Açú Formation

Occurrence: Açú, Apodi, RN

Reference: 35,40

Plate and Size: 23(35),40mm

615 *Acesta maranhensis* Klein & Ferreira, 1979

Age: Cretaceous, Cenomanian-Santonian

Stratigraphy: Itapecuru Formation

Occurrence: São Marcos, MA

Reference: 209

Plate and Size: 23(209),34mm

Genus *Plagiostoma* Sowerby, 1814

616 *Plagiostoma derbyi* (White, 1887)

Age: Cretaceous, Albian-Cenomanian

Stratigraphy: Riachuelo Formation

Occurrence: Maruim & Lastro, SE

Reference: 37,235,249,445

Plate and Size: 23(445),51mm

Synonymy: *Lima praetexta* White, 1887

617 *Plagiostoma fazendaestivica* (Maury, 1930)

Age: Cretaceous, Coniacian-Santonian

Stratigraphy: Estiva Formation

Occurrence: Formoso River, PE

Reference: 73,235,246

Plate and Size: 23(246),53mm

618 *Plagiostoma imbirica* (Maury, 1937)

Age: Cretaceous, Albian-Cenomanian

Stratigraphy: Riachuelo Formation

Occurrence: Imbira, SE

Reference: 37,73,235,249

Plate and Size: 23(249),82mm

619 *Plagiostoma malaevissima* Beurlen, 1964

Age: Cretaceous, Albian-Cenomanian

Stratigraphy: Apodi Formation

Occurrence: Mossoró, RN

Reference: 35

Plate and Size: 23(35),66mm

620 *Plagiostoma upanemensis* Beurlen, 1964

Age: Cretaceous, Turonian

Stratigraphy: Açu Formation

Occurrence: Apodi, Mossoró, RN

Reference: 35,40

Plate and Size: 23(35),70mm

Order OSTREOIDA

Suborder OSTREINA

Superfamily OSTREOIDEA

Family OSTREIDAE

Subfamily OSTREINAE

?Genus *Curvostrea* Vyalov, 1936

621 *Curvostrea castellobrancoi* Maury, 1937

Age: Cretaceous, Albian-Cenomanian

Stratigraphy: Riachuelo Formation

Occurrence: Santa Luzia, SE

Reference: 13,37,235,249,313

Plate and Size: 23(249),28mm

Synonymy: *O. wegmaniana*: White, 1887 non Orbigny, 1846

*Genus *Ostrea* Linné, 1758

622 *Ostrea crenulata* Beurlen, 1864

Age: Cretaceous, Turonian

Stratigraphy: Açu Formation

Occurrence: Sebastianópolis, RN

Reference: 35,40

Plate and Size: 23(35),47mm

623 *Ostrea distans* White, 1887

Age: NeoOligocene-EoMiocene

Stratigraphy: Pirabas Formation

Occurrence: Pirabas & Capanema, PA; Parnaíba, PI

Reference: 73,124,148,194,235,243,416,445

Plate and Size: 23(243),130mm

624 *Ostrea glucomarides* Maury, 1925

Age: NeoOligocene-EoMiocene

Stratigraphy: Pirabas Formation

Occurrence: Pirabas & Capanema, PA

Reference: 73,124,148,235,243,416

Plate and Size: 23(416),23mm

625 *Ostrea invalida* White, 1887

Age: Cretaceous, Albian-Cenomanian

Stratigraphy: Riachuelo Formation

Occurrence: Lastro, SE

Reference: 37,235,249,313,445

Plate and Size: 23(445),43mm

626 *Ostrea jacobii* Beurlen, 1964

Age: Cretaceous, Turonian

Stratigraphy: Açu Formation

Occurrence: Aracati, CE

Reference: 35,40

Plate and Size: 23(35),185mm

627 *Ostrea lagoapiatensis* Maury, 1934

Age: Cretaceous, Turonian

Stratigraphy: Açu Formation

Occurrence: Açu & Mossoró, RN

Reference: 35,40,235,247

Plate and Size: 24(247),100mm

628 *Ostrea maroimensis* White, 1887

Age: Cretaceous, Albian-Cenomanian

Stratigraphy: Riachuelo Formation

Occurrence: Maruim & Coqueiro, RN

Reference: 37,235,249,313,445

Plate and Size: 23(445),21mm

629 *Ostrea cf mesenterica* Morton, 1941

Age: Cretaceous, Turonian-Maastrichtian

Stratigraphy: Jandaira Formation

Occurrence: Mossoró, RN

Reference: 35,40

Plate and Size: 23(35),15mm

630 *Ostrea mossoroensis* Beurlen, 1964

Age: Cretaceous, Turonian

Stratigraphy: Açu Formation

Occurrence: Jandaira, Upanema, RN

Reference: 35,40

Plate and Size: 24(35),75mm

631 *Ostrea cf owenana* Shumard, 1861

Age: Cretaceous, Turonian

Stratigraphy: Açu Formation

Occurrence: Sebastianópolis, RN

Reference: 35

Plate and Size: 24(35),75mm

632 *Ostrea pendenciana* Maury, 1925

Age: Cretaceous, Turonian-Maastrichtian

Stratigraphy: Jandaira & Açu Formations

Occurrence: Mossoró, Macau & Apodi, RN

Reference: 27,35,40,73,235,243,247,419

Plate and Size: 24(243),100mm

633 *Ostrea procyonis* Maury, 1925

Age: NeoOligocene-EoMiocene

Stratigraphy: Pirabas Formation

Occurrence: Pirabas, PA

Reference: 235,243,416

Plate and Size: 24(243),70mm

N.B.: doubtful species: 416

634 *Ostrea zomerysis* Ferreira & Santos, 1966

Age: NeoOligocene-EoMiocene

Stratigraphy: Pirabas Formation

Occurrence: Capanema & Primavera, PA

Reference: 73,124,416

Plate and Size: 24(416),55mm

Subfamily LOPHINAE

Genus *Lopha* Röding, 1798

635 *Lopha aracajuensis* Muniz, 1984

Age: Cretaceous, Santonian-Maastrichtian

Stratigraphy: Piaçabuçu Formation

Occurrence: Aracaju, SE

Reference: 305

Plate and Size: 24(305),66mm

636 *Lopha cf diluviana* (Linné, 1767)

Age: Cretaceous, Albian-Cenomanian

Stratigraphy: Riachuelo Formation

Occurrence: Lastro, Maruim, SE

Reference: 37,73,235,249

Plate and Size: 24(249),35mm

N.B.: doubtful identification: 37

637 *Lopha euzebioi* Maury, 1937

Age: Cretaceous, Albian-Cenomanian

Stratigraphy: Riachuelo Formation

Occurrence: Lastro, Maruim, SE

Reference: 37,73,235,249,313

Plate and Size: 24(249),60mm

Synonymy: *O. palmetta*: White, 1887 non Sowerby, 1814

638 *Lopha lombardi* Darteville & Freneix, 1957

Age: Cretaceous, Cenomanian-Santonian

Stratigraphy: Itapecuru Formation

Occurrence: São Luiz, MA

Reference: 209

Plate and Size: 24(209),20mm

639 *Lopha mutatoria* (White, 1887)

Age: Cretaceous, Albian-Cenomanian

Stratigraphy: Riachuelo Formation

Occurrence: Lastro, Maruim, SE

Reference: 37,235,249,313,445

Plate and Size: 24(445),49mm

640 *Lopha plicatuliformis* Beurlen, 1967

Age: Cretaceous, Turonian-Maastrichtian

Stratigraphy: Jandaíra Formation

Occurrence: Mossoró, RN

Reference: 40

Plate and Size: 24(40),22mm

641 *Lopha ramicola* Beurlen, 1964

Age: Cretaceous, Turonian

Stratigraphy: Açú & Jandaíra Formations

Occurrence: Jandaíra, RN; Ipojuca, PE

Reference: 35,40,224,306

Plate and Size: 24(35),50mm

642 *Lopha cf syphax* Coquand, 1854

Age: Cretaceous, Cenomanian-Coniacian

Stratigraphy: Cotinguiba Formation

Occurrence: Laranjeiras, SE

Reference: 13,232,235,249,409

Plate and Size: 24(409),70mm

Family GRYPHAEIDAE

Subfamily GRYPHAEINAE

Genus *Liostrea* Douvillé, 1904

643 *Liostrea cf delettrei* (Coquand, 1957)

Age: Cretaceous, Turonian-Maastrichtian

Stratigraphy: Jandaíra Formation

Occurrence: Mossoró, RN

Reference: 40

Plate and Size: 24(40),12mm

Subfamily PYCNODONTEINAE

Genus *Pycnodonte* Fischer, 1835

644 *Pycnodonte cascudo* Beurlen, 1967

Age: Cretaceous, Turonian-Maastrichtian

Stratigraphy: Jandaíra Formation

Occurrence: Mossoró, RN

Reference: 40

Plate and Size: 24(40),45mm

645 *Pycnodonte haitensis* (Sowerby, 1849)

Age: NeoOligocene-EoMiocene

Stratigraphy: Pirabas Formation

Occurrence: Capanema & Caieira, PA

Reference: 416,447

Plate and Size: 24(416),85mm

646 *Pycnodonte cf panda* Morton, 1941

Age: Cretaceous, Turonian-Maastrichtian
Occurrence: Jandaira Formation
Occurrence: Mossoró, RN
Reference: 40,418
Plate and Size: 24(418),26mm

Subfamily EXOXYRINAE

Genus *Exogyra* Say, 1820

647 *Exogyra africana* Coquand, 1869
Age: Cretaceous, Cenomanian
Stratigraphy: Cotinguiba Formation
Occurrence: Itaporanga & Japarutuba, SE
Reference: 13,346
Plate and Size: 25(346),40mm

648 *Exogyra albertolofgreni* Löfgren, 1943
Age: Cretaceous, Santonian-Maastrichtian
Stratigraphy: Piaçabuçu Formation
Occurrence: Atalaia, Aracaju, SE
Reference: 73,226,235,305
Plate and Size: 25(226),22mm

649 *Exogyra columba* (Lamarck, 1819)
Age: Cretaceous, Cenomanian
Stratigraphy: Cotinguiba Formation
Occurrence: Itaporanga & Japarutuba, SE
Reference: 13,160
Plate and Size: 25(160),32mm
Synonymy: *E. mermeli* Coquand

650 *Exogyra conica* Sowerby, 1813
Age: Cretaceous, Cenomanian
Stratigraphy: Cotinguiba Formation
Occurrence: Santa Luzia, SE
Reference: 13,249,313,445
Plate and Size: 25(445),22mm

651 *Exogyra ganhamoroba* Maury, 1937
Age: Cretaceous, Albion-Cenomanian
Stratigraphy: Riachuelo Formation
Occurrence: Ganhamoroba River, Lastro, SE
Reference: 13,249,313,445
Plate and Size: 25(249),57mm

652 *Exogyra haliotoidea* (Sowerby, 1813)
Age: Cretaceous, Albion to Maastrichtian
Stratigraphy: Riachuelo & Piaçabuçu Formations
Occurrence: Lastro & Aracaju, SE
Reference: 13,37,73,226,235,249,305,313
Plate and Size: 25(249),50mm
Synonymy: *Planospirites ostracina*: White, 1887
non Lamarck, 1801

653 *Exogyra cf. olisiponensis* Sharpe, 1850
Age: Cretaceous, Turonian-Santonian
Stratigraphy: Beberibe Formation
Occurrence: Beberibe, PE
Reference: 27,418
Plate and Size: 25(418),45mm

654 *Exogyra sergipensis* Maury, 1937
Age: Cretaceous, Albion-Cenomanian
Stratigraphy: Riachuelo Formation
Occurrence: Lastro, SE
Reference: 37,73,235,249,
Plate and Size: 25(249),45mm

655 *Exogyra truncata* Oliveira, 1940
Age: Cretaceous, Santonian-Maastrichtian
Stratigraphy: Piaçabuçu Formation
Occurrence: Calumbi River, SE
Reference: 73,235,322
Plate and Size: 25(322),13mm

Genus *Gryphaeostrea* Conrad, 1865

656 *Gryphaeostrea duartei* (Oliveira, 1940)
comb.n.
Age: Cretaceous, Santonian-Maastrichtian
Stratigraphy: Piaçabuçu Formation
Occurrence: Calumbi River, SE
Reference: 73,235,322
Plate and Size: 25(322),13mm

657 *Gryphaeostrea euzebioi* (Oliveira, 1940)
comb.n.
Age: Cretaceous, Santonian-Maastrichtian
Stratigraphy: Piaçabuçu Formation
Occurrence: Calumbi River, SE
Reference: 73,235,322
Plate and Size: 25(322),15mm

658 *Gryphaeostrea trachyoptera* (White, 1887)
Age: Paleocene
Stratigraphy: Maria Farinha Formation
Occurrence: Maria Farinha, São José & P.N.Cruz,
PE
Reference: 124,235,249,348,365,445,447
Plate and Size: 25(249),25mm
Synonymy: *G. pernambucensis* (Maury, 1937);
Exogyra lateralis: Rathbun, 1874 non Nilsson, 1827

Superfamily PLICATULOIDEA Family PLICATULIDAE

Genus *Plicatula* Lamarck, 1801

659 *Plicatula auressensis* Coquand, 1862
 Age: Cretaceous, Cenomanian-Coniacian
 Stratigraphy: Cotinguiba Formation
 Occurrence: Riachuelo, SE
 Reference: 7,13,37
 Plate and Size: 25(7),30mm

660 *Plicatula cedroensis* Maury, 1937
 Age: Cretaceous, Turonian
 Stratigraphy: Cotinguiba Formation
 Occurrence: Cedro, SE
 Reference: 13,73,232,235,249,313
 Plate and Size: 25(249),21mm

661 *Plicatula eroessa* Maury, 1925
 Age: NeoOligocene-EoMiocene
 Stratigraphy: Pirabas Formation
 Occurrence: Igarapé-Açu, Salinas & Nova
 Timboteua, PA; Parnaíba PI; Barreirinhas, MA
 Reference: 8,73,124,131,132,148,149,235,243
 Plate and Size: 25(243),16mm
 Synonymy: *P. flabellifera* Maury, 1925

662 *Plicatula independenciae* Beurlen, 1964
 Age: Cretaceous, Turonian
 Stratigraphy: Açu Formation
 Occurrence: Upanema, RN
 Reference: 35,40
 Plate and Size: 25(35),45mm

663 *Plicatula modioloides* White, 1887
 Age: Cretaceous, Albion-Cenomanian
 Stratigraphy: Riachuelo Formation
 Occurrence: Jaguaruna & Maruim, SE
 Reference: 235,249,313,445
 Plate and Size: 25(249),32mm

664 *Plicatula cf. mullicaensis* Weller, 1907
 Age: Cretaceous, Turonian
 Stratigraphy: Açu Formation
 Occurrence: Mossoró, RN
 Reference: 35,40
 Plate and Size: 25(35),35mm

665 *Plicatula parahybensis* Maury, 1930
 Age: Cretaceous, Campanian-Maastrichtian
 Stratigraphy: Gramame Formation
 Occurrence: Gramame River, João Pessoa, PB
 Reference: 73,235,246
 Plate and Size: 25(246),65mm

666 *Plicatula tenuirostrata* White, 1887
 Age: Cretaceous, Cenomanian
 Stratigraphy: Cotinguiba Formation

Occurrence: Santa Luzia, SE
 Reference: 13,73,235,249,445
 Plate and Size: 25(249),23mm

Suborder PECTININA
 Superfamily PECTINOIDEA
 Family PECTINIDAE
 Subfamily PECTININAE

Genus *Pecten* Müller, 1778

667 *Pecten collapsus* White, 1887
 Age: Cretaceous, Albion-Cenomanian
 Stratigraphy: Riachuelo Formation
 Occurrence: Lastro, Maruim, SE
 Reference: 235,245,313,445
 Plate and Size: 25(445),35mm

668 *Pecten gemminatus* Sowerby, 1846
 Age: Miocene
 Stratigraphy: Pelotas Basin
 Occurrence: Cassapi & Pelotas, RS
 Reference: 180,181,241,337,357
 Plate and Size: 25(180),37mm
 Synonymy: *P. quemadensis* Ihering, 1897;
P. fissicostatus Ihering, 1907

669 *Pecten gramamensis* Maury, 1930
 Age: Cretaceous, Campanian-Maastrichtian
 Stratigraphy: Gramame Formation
 Occurrence: Gramame River, João Pessoa, PB
 Reference: 73,235,246
 Plate and Size: 26(246),60mm

670 *Pecten nordestensis* Oliveira, 1943
 Age: Cretaceous, Santonian-Maastrichtian
 Stratigraphy: Piaçabuçu Formation
 Occurrence: Atalaia, Aracaju, SE
 Reference: 73,226,235,305,330
 Plate and Size: 25(226),35mm

Genus *Leptopecten* Verrill, 1897

671 *Leptopecten latiauratus* (Conrad, 1837)
 Age: NeoOligocene to Recent
 Stratigraphy: Pirabas Formation
 Occurrence: Pirabas & Capanema, PA; Paraíba
 River, PI
 Reference: 73,94,129,131,141
 Plate and Size: 26(131),22mm

672 *Leptopecten pirabensis* (Ferreira, 1960)
 Age: NeoOligocene-EoMiocene
 Stratigraphy: Pirabas Formation

Occurrence: Primavera, PA
Reference: 124,141
Plate and Size: 26(141),16mm

Genus *Neithea* Drouet, 1825

673 *Neithea bahiaensis* Brito, 1967
Age: Cretaceous, Albian-Cenomanian
Stratigraphy: Algodões Formation
Occurrence: Camamu & Boipeba Island, BA
Reference: 54,57,73
Plate and Size: 26(57),43mm

674 *Neithea nana* Klein & Ferreira, 1979
Age: Cretaceous, Cenomanian-Santonian
Stratigraphy: Itapicuru Formation
Occurrence: São Luiz, MA
Reference: 209
Plate and Size: 26(209),17mm

675 *Neithea quadricostata regoi* Maury, 1937
Age: Cretaceous, Albian-Cenomanian
Stratigraphy: Riachuelo Formation
Occurrence: Lastro, SE
Reference: 73,235,249,313
Plate and Size: 26(249),56mm

676 *Neithea cf. quinquecostata* Sowerby, 1814
Age: Cretaceous, Albian-Cenomanian
Stratigraphy: Algodões Formation
Occurrence: Marau, BA
Reference: 54,57,105,235,249,377
Plate and Size: 26(105),13mm

677 *Neithea sergipensis* White, 1887
Age: Cretaceous, Albian-Cenomanian
Stratigraphy: Riachuelo Formation
Occurrence: Lastro, SE; Inhambuque, BA
Reference: 13,73,232,235,249,256,313,445
Plate and Size: 26(249),7mm

678 *Neithea shawi* Pervinquièrre, 1912
Age: Cretaceous, Albian-Cenomanian
Stratigraphy: Riachuelo Formation
Occurrence: Lastro, SE
Reference: 13,36,37,73,224,232,235,249,313
Plate and Size: 26(249),40mm
Synonymy: *N. quadricostata*: White, 1887 non Sowerby, 1814; *N. quadricostata lastroensis* Maury, 1937

Genus *Camptonectes* Agassiz in Meek, 1864

679 *Camptonectes placidus* White, 1887

Age: Cretaceous, Albian-Cenomanian
Stratigraphy: Riachuelo Formation
Occurrence: Aroeira River & C.Redondo, SE
Reference: 235,249,313,445
Plate and Size: 26(249),8mm
Synonymy: *C. plicatus* Maury, 1937, err.typogr.

Subfamily CHLAMIDINAE

Genus *Chlamys* Röding, 1798

680 *Chlamys callimorphus* (Maury, 1925)
Age: NeoOligocene-EoMiocene
Stratigraphy: Pirabas Formation
Occurrence: Pirabas, Salinópolis & Capanema, PA
Reference: 73,124,129,141,148,235,243
Plate and Size: 26(243),51mm

681 *Chlamys cererideditus* (Maury, 1925)
Age: NeoOligocene-EoMiocene
Stratigraphy: Pirabas Formation
Occurrence: Igarapé-Açu & Nova Timboteua, PA
Reference: 73,124,129,235,243
Plate and Size: 26(243),22mm

682 *Chlamys indissolubilis* (Maury, 1925)
Age: NeoOligocene-EoMiocene
Stratigraphy: Pirabas Formation
Occurrence: Pirabas and Salinópolis, PA
Reference: 73,124,129,141,235,243
Plate and Size: 26(243),51mm

683 *Chlamys glendonensis* Mansfield, 1940
Age: NeoOligocene-EoMiocene
Stratigraphy: Pirabas Formation
Occurrence: Barreirinha, MA
Reference: 141,149
Plate and Size: 26(141),19mm

684 *Chlamys japericensis* Ferreira, 1960
Age: NeoOligocene-EoMiocene
Stratigraphy: Pirabas Formation
Occurrence: Primavera & Capanema, PA; Barreirinha, MA
Reference: 73,124,129,149
Plate and Size: 26(129),22mm

685 *Chlamys sentis* (Reeve, 1853)
Age: NeoOligocene to Recent
Stratigraphy: Pirabas Formation
Occurrence: Pirabas, PA
Reference: 73,94,141,392
Plate and Size: 26(141),21mm

686 *Chlamys tehuelchus* (Orbigny, 1846)

Age: Miocene to Recent

Stratigraphy: Pelotas Basin

Occurrence: Pelotas, RS

Reference: 91,392

Plate and Size: 26(392),64mm

687 *Chlamys thalerus* (Maury, 1925)

Age: NeoOligocene-EoMiocene

Stratigraphy: Pirabas Formation

Occurrence: Pirabas & Salinópolis, PA

Reference: 73,124,129,141,235,243

Plate and Size: 27(243),56mm

Synonymy: *C.thaumastus* (Maury, 1925)

Subgenus *Argopecten* Monterosato, 1889

688 *Chlamys (Argopecten) agronomica* (Maury, 1925)

Age: NeoOligocene-EoMiocene

Stratigraphy: Pirabas Formation

Occurrence: Igarapé Açu & Capanema, PA

Reference: 73,129,141,235,243

Plate and Size: 27(243),6mm

689 *Chlamys (Argopecten) capanamensis*

Ferreira, 1960

Age: NeoOligocene-EoMiocene

Stratigraphy: Pirabas Formation

Occurrence: Parnaíba, PI; Capanema, PA; São Marcos, MA

Reference: 73,124,129,131,141,149

Plate and Size: 27(141),57mm

690 *Chlamys (Argopecten) concinnatus* (Woodring, 1925)

Age: NeoOligocene-EoMiocene

Stratigraphy: Pirabas Formation

Occurrence: Parnaíba, PI

Reference: 131,141

Plate and Size: 27(131),17mm

691 *Chlamys (Argopecten) coopericellus* Ferreira, 1960

Age: NeoOligocene-EoMiocene

Stratigraphy: Pirabas Formation

Occurrence: Pirabas & Primavera, PA

Reference: 124,129,141

Plate and Size: 27(141),26mm

692 *Chlamys (Argopecten) daidelus* (Maury, 1925)

Age: NeoOligocene-EoMiocene

Stratigraphy: Pirabas Formation

Occurrence: Pirabas, PA; Turiaçu, MA

Reference: 73,124,129,136,141,235,243

Plate and Size: 27(243),15mm

693 *Chlamys (Argopecten) gibbus* (Linné, 1758)

Age: NeoOligocene to Recent

Stratigraphy: Pirabas Formation

Occurrence: Primeira, MA

Reference: 94,141,149,392

Plate and Size: 27(141),15mm

694 *Chlamys (Argopecten) tetristriata* Ferreira, 1960

Age: NeoOligocene-EoMiocene

Stratigraphy: Pirabas Formation

Occurrence: Primavera & Salinópolis, PA

Reference: 54,129,141

Plate and Size: 27(141),17mm

Family AVICULOPECTINIDAE

Subfamily AVICULOPECTININAE

Genus *Aviculopecten* McCoy, 1851

695 *Aviculopecten cambahyensis* Martins, 1951

Age: Carboniferous

Stratigraphy: Teixeira Soares & Maricá

Formations, Tubarão Group

Occurrence: Cambai Grande, Larvas do Sul & São Gabriel, RS

Reference: 240,357,453

Plate and Size: 27(240),27mm

696 *Aviculopecten camposi* Mendes, 1966

Age: Carboniferous, Westphalian

Stratigraphy: Itaituba Formation

Occurrence: Itaituba, PA

Reference: 267,269

Plate and Size: 27(267),12mm

697 *Aviculopecten carboniferous* Stevens, 1858

Age: Carboniferous, Westphalian

Stratigraphy: Itaituba Formation

Occurrence: Itaituba, PA

Reference: 119,166,194,235,240

Plate and Size: 27(166),16mm

698 *Aviculopecten coelhoanus* Katzer, 1896

Age: Devonian, Emsian

Stratigraphy: Maecuru Formation

Occurrence: Maecuru, PA

Reference: 100,189,192,193,194,231,235,435,454

Plate and Size: 27(193),56mm

699 *Aviculopecten coxanus* Meek & Worthen, 1860

Age: Carboniferous, Westphalian
Stratigraphy: Itaituba Formation
Occurrence: Itaituba, PA
Reference: 137,194,235,240,296
Plate and Size: 27(194),18mm

700 *Aviculopecten lyelli* Dawson, 1868
Age: Carboniferous, Westphalian
Stratigraphy: Itaituba Formation
Occurrence: Arucará, AM
Reference: 73,122,135
Plate and Size: 27(122),14mm

701 *Aviculopecten multiscalptus* Thomas, 1928
Age: Carboniferous, Stefanian-Kungurian
Stratigraphy: Rio do Sul & Teixeira Soares
Formations, Itararé Subgroup, Tubarão Group
Occurrence: Rio Dareia & Baitaca, PR
Reference: 217,397,422
Plate and Size: 27(397),20mm

702 *Aviculopecten neglectus* (Geinitz, 1873)
Age: Carboniferous, Westphalian
Stratigraphy: Itaituba Formation
Occurrence: Itaituba, PA
Reference: 119,194,235,240
Plate and Size: 27(194),10mm

703 *Aviculopecten occidentalis* Shumard, 1855
Age: Carboniferous, Westphalian
Stratigraphy: Itaituba Formation
Occurrence: Itaituba, PA
Reference: 119,194,220,235,240,267
Plate and Size: 27(240),28mm

704 *Aviculopecten subquadratus* Bell, 1929
Age: Carboniferous, Westphalian
Stratigraphy: Itaituba Formation
Occurrence: Arucará, Capucapu & Jatapu River,
AM
Reference: 73,122,235
Plate and Size: 27(122),14mm

705 *Aviculopecten trichotomus* Kegel & Costa,
1951
Age: Carboniferous, Westphalian-Stephanian
Stratigraphy: Piauí Formation
Occurrence: José de Freitas, PI
Reference: 73,202,224
Plate and Size: 27(202),20mm

Genus *Heteropecten* Kegel & Costa, 1951

706 *Heteropecten catharinae* (Reed, 1930)

Age: Permian, Kungurian
Stratigraphy: Rio Bonito Formation, Tubarão
Group
Occurrence: Taió, SC
Reference: 73,91,202,203,224,235,240,371,394,
395,398,400,407
Plate and Size: 27(371),28mm
Synonymy: *H. bastosi* Kegel & Costa, 1951;
H. diglypha Kegel & Costa, 1951; *H. platicosta*
Kegel & Costa, 1951; *H. unicus* (Reed, 1930);
H. miscellus (Reed, 1930); *H. crassicoatus* (Reed,
1930); *H. relegatus* (Reed, 1930)

Genus *Limipecten* Girty, 1904

707 *Limipecten araneosus* Cronin, 1949
Age: Carboniferous
Stratigraphy: Teixeira Soares Formation, Tubarão
Group
Occurrence: Teixeira Soares, PR
Reference: 217,313
Plate and Size: 27(313)55mm

708 *Limipecten capivariensis* (Mendes, 1952)
Age: Carboniferous
Stratigraphy: Capivari Formation, Tubarão Group
Occurrence: Capivari, SP
Reference: 73,214,261,280,397
Plate and Size: 28(261),46mm

Subfamily STREBLOCHONDRIINAE

Genus *Streblopteria* McCoy, 1851

709 *Streblopteria antiqua* Muniz, 1979
Age: Devonian, Frasnian-Famennian
Stratigraphy: Inajá Formation
Occurrence: Tacaratu, PE
Reference: 304
Plate and Size: 28(304),23mm

710 *Streblopteria* (?) *herzteri* Meek, 1871
Doubtful identification
Reference: 119,235,240,253,267
N.B.: *Streblochondria* sp: 267

Family POSIDONIIDAE

Genus *Didymotis* Gerhardt, 1897

711 *Didymotis* aff. *variabilis* Gerhardt, 1897
Age: Cretaceous, Cenomanian-Coniacian
Stratigraphy: Cotiguiba Formation
Occurrence: Laranjeiras-N.S. Socorro, SE
Reference: 13,290

Plate and Size: 28(290)45mm

Family PROPEAMUSSIDAE

Genus *Amusium* Röding, 1798?

712 *Amusium papyraceum* (Gabb, 1873)
Age: NeoOligocene to Recent
Stratigraphy: Pirabas Formation
Occurrence: Salinópolis & Capanema, PA;
Turiaçu, MA
Reference: 73,94,129,134,148,150,392,447
Plate and Size: 28(392),52mm

Family PSEUDOMONOTIDAE

Genus *Pseudomonotis* von Beyrich, 1862

713 *Pseudomonotis hawni* (Meek & Worthen, 1858)
Age: Carboniferous, Westphalian
Stratigraphy: Itaituba Formation
Occurrence: Urucará & Jatapu River, AM
Reference: 122,220,235
Plate and Size: 28(122),8mm

Family ENTOLIIDAE

Genus *Entolium* Meek, 1865

714 *Entolium aviculatum* (Swallow, 1858)
Age: Carboniferous, Westphalian
Stratigraphy: Itaituba Formation
Occurrence: Itaituba, PA
Reference: 236,272,343
Plate and Size: 28(272),12mm

Family SPONDYLIDAE

Genus *Spondylus* Linné, 1758

715 *Spondylus bostrychites* Guppy, 1867
Age: EoMiocene
Stratigraphy: Pirabas Formation
Occurrence: Pirabas, PA
Reference: 73,132,235,243,445,447
Plate and Size: 28(243),28mm
Synonymy: *S. pinguisculus* White, 1887

Superfamily ANOMIOIDEA

Family ANOMIIDAE

Genus *Anomia* Linné, 1758

716 *Anomia algodoensis* Maury, 1925

Age: Cretaceous, Albian-Cenomanian
Stratigraphy: Algodões Formation
Occurrence: Marau, BA
Reference: 54,57,73,235,243
Plate and Size: 28(243),19mm

717 *Anomia aracajuensis* Oliveira
Age: Cretaceous, Santonian-Maastrichtian
Stratigraphy: Piaçabuçu Formation
Occurrence: Aracaju, SE
Reference: 226,235
Plate and Size: 28(226),8mm

718 *Anomia barbadinhica* Maury, 1925
Age: Cretaceous, Turonian-Maastrichtian
Stratigraphy: Jandaira Formation
Occurrence: Mossoró, RN
Reference: 35,40,73,235,243
Plate and Size: 28(243),35mm

719 *Anomia carregozica* Maury, 1937
Age: Cretaceous, Albian-Cenomanian
Stratigraphy: Riachuelo Formation
Occurrence: Riachuelo & Tanque, SE
Reference: 73,235,249,313
Plate and Size: 28(249),11mm

720 *Anomia macedoi* Maury, 1925
Age: Pliocene-Pleistocene
Stratigraphy: Turiaçu Formation
Occurrence: Pirapemas, MA
Reference: 73,235,243
Plate and Size: 28(243),25mm

721 *Anomia perbrasiliiana* Maury, 1925
Age: Cretaceous, Albian-Cenomanian
Stratigraphy: Algodões Formation
Occurrence: Marau, BA
Reference: 54,57,73,235,243
Plate and Size: 28(243),15mm

722 *Anomia sergipensis* Maury, 1937
Age: Cretaceous, Albian-Cenomanian
Stratigraphy: Riachuelo Formation
Occurrence: Maruim, SE
Reference: 235,249,445
Plate and Size: 28(249),15mm
Synonymy: *A. laevigata*: White, 1887 non Sowerby, 1936

723 *Anomia simplex* Orbigny, 1842
Age: NeoOligocene to Recent
Stratigraphy: Pirabas, Formation
Occurrence: Pirabas, PA
Reference: 73,94,134,148,235,243,392
Plate and Size: 28(243),18mm

N.B.: maybe a *A. ephippium* (Linné, 1758) synonymy.

724 *Anomia cf subquadrata* Stanton, 1983

Age: Cretaceous, Turonian

Stratigraphy: Açú Formation

Occurrence: Mossoró, RN

Reference: 40,427

Plate and Size: 28(427),24mm

Subclass PALAEOHETERODONTA

Order TRIGONIOIDA

Superfamily TRIGONIOIDEA

Family TRIGONIIDAE

Genus *Pterotrigonia* van Hoepen, 1929

725 *Pterotrigonia coqueiroensis* (Maury, 1937)

Age: Cretaceous, Albian-Cenomanian

Stratigraphy: Riachuelo Formation

Occurrence: Maruim & Laranjeiras, SE

Reference: 38,73,235,445

Plate and Size: 28(445),34mm

Synonymy: *Trigonia subcrenulata*: White, 1887
non Orbigny, 1842

Family MYOPHORIIDAE

Genus *Schizodus* Murchison & Verneuil, 1844

726 *Schizodus cf affinis* Herrick, 1887

Age: Carboniferous

Stratigraphy: Teixeira Soares Formation, Tubarão Group

Occurrence: Teixeira Soares, PR

Reference: 166,217

Plate and Size: 28(166),17mm

727 *Schizodus amazonicus* Mendes, 1966

Age: Carboniferous, Westphalian

Stratigraphy: Itaituba Formation

Occurrence: Itaituba, PA

Reference: 267,269

Plate and Size: 28(267),44mm

728 *Schizodus occidentalis* Reed, 1930

Age: Permian, Kungurian

Stratigraphy: Rio Bonito Formation, Tubarão Group

Occurrence: Taió, SC

Reference: 73,235,268,394,398

Plate and Size: 28(398),20mm

729 *Schizodus rossicus* Verneuil, 1873

Doubtful identification

Reference: 235,267

730 *Schizodus wheeleri* Swallow, 1858

Age: Carboniferous, Westphalian

Stratigraphy: Itaituba Formation

Occurrence: Itaituba, PA

Reference: 220,235,267

Plate and Size: 28(220),31mm

Genus *Toechomya* Clarke, 1899

731 *Toechomya freitasi* Clarke, 1899

Age: Devonian, Emsian

Stratigraphy: Maecuru Formation

Occurrence: Maecuru, PA

Reference: 86,100,235

Plate and Size: 28(86),30mm

732 *Toechomya rathbuni* Clarke, 1899

Age: Devonian, Emsian

Stratigraphy: Maecuru Formation

Occurrence: Maecuru, PA

Reference: 86,235

Plate and Size: 28(86),45mm

Order MODIOMORPHOIDA

Superfamily MODIOMORPHOIDEA

Family MODIOMORPHIDAE

Genus *Modiomorpha* Hall & Whitfield, 1869

733 *Modiomorpha austronotica* Clarke, 1913

Age: Devonian, Eifelian-Frasnian

Stratigraphy: Jaguariaíva & São Domingos Members, Ponta Grossa Formation

Occurrence: Ponta Grossa, PR

Reference: 73,74,88,100,217,231,235,269,300,351,422

Plate and Size: 28(88),35mm

734 *Modiomorpha erebus* (Clarke, 1913)

Age: Devonian, Eifelian-Frasnian

Stratigraphy: São Domingos Member, Ponta Grossa Formation

Occurrence: Ponta Grossa, PR

Reference: 73,88,100,217,235,300,422

Plate and Size: 28(88),30mm

735 *Modiomorpha helmreicheni* Clarke, 1899

Age: Devonian, Emsian

Stratigraphy: Maecuru Formation

Occurrence: Maecuru, PA

Reference: 86,192,193,194,231,235,435

Plate and Size: 29(193),47mm

736 *Modiomorpha pimentana* Hartt & Rathbun, 1875

Age: Devonian, Eifelian-Givetian

Stratigraphy: Ererê Formation

Occurrence: Ererê, PA

Reference: 86,172,193,194,231,235,435

Plate and Size: 28(193),36mm

737 *Modiomorpha sellowi* Clarke, 1899

Age: Devonian, Emsian

Stratigraphy: Maecuru Formation

Occurrence: Maecuru, PA

Reference: 86,192,193,194,231,235,267,435

Plate and Size: 28(193),60mm

Genus *Spathella* Hall, 1885

738 *Spathella brevis* Muniz, 1979

Age: Devonian, Frasnian-Fammenian

Stratigraphy: Inajá Formation

Occurrence: Tacaratu, PE

Reference: 304

Plate and Size: 28(304),31mm

Genus *Naiadopsis* Mendes, 1952

739 *Naiadopsis lamellosus* Mendes, 1952

Age: Permian

Stratigraphy: Corumbatai Formation, Passa Dois Group

Occurrence: Rio Claro Region & Tambau, SP; Terezinha, PR

Reference: 73,99,112,158,213,217,260,263,280, 282,283,408,420,422

Plate and Size: 28(260),34mm

Genus *Guerangeria* Oehlert, 1880

740 *Guerangeria ortonii* Clarke, 1899

Age: Devonian, Emsian

Stratigraphy: Maecuru Formation

Occurrence: Maecuru, PA

Reference: 86,192,193,231,235,435

Plate and Size: 28(86),36mm

Genus *Goniophora* Phillips, 1848

741 *Goniophora abbreviata* Clarke, 1913

Age: Devonian, Eifelian-Frasnian

Stratigraphy: Jaguariaiva Member, Ponta Grossa Formation

Occurrence: Jaguariaiva, PR

Reference: 73,88,100,217,235,269,300,351,422

Plate and Size: 28(88),25mm

742 *Goniophora woodwardi* Clarke, 1899

Age: Devonian, Eifelian-Givetian

Stratigraphy: Ererê Formation

Occurrence: Ererê, PA

Reference: 86,193,194,231,235,435

Plate and Size: 28(193),23mm

Genus *Sphenotomorpha* Williams & Breger, 1916

743 *Sphenotomorpha ulrichi* (Clarke, 1913)

Age: Devonian, Eifelian-Frasnian

Stratigraphy: Ponta Grossa Formation

Occurrence: Ponta Grossa, PR

Reference: 88,235,422

Plate and Size: 28(88),71mm

Superfamily CYCLOCONCHOIDEA

Family ALLODESMATIDAE

Genus *Anodontopsis* McCoy, 1851

744 *Anodontopsis austrina* Clarke, 1899

Age: Silurian, Ludlovian

Stratigraphy: Trombetas Formation

Occurrence: Vira Mundo, Trombetas River, PA

Reference: 87,235

Plate and Size: 28(87),20mm

745 *Anodontopsis putilla* Clarke, 1899

Age: Silurian, Ludlovian

Stratigraphy: Trombetas Formation

Occurrence: Vira Mundo, Trombetas River, PA

Reference: 87,235

Plate and Size: 28(87),20mm

Order UNIONOIDA

Superfamily UNIONOIDEA

Family HYRIIDAE

Genus *Prisodon* Schumacher, 1817

Synonymy: *Hyria* Lamarck, 1819

746 *Prisodon corrugata* Lamarck, 1819

Age: Pliocene to Recent

Stratigraphy: Pebas Formation

Occurrence: Caravari, Jururá River & Três Unidos, AM

Reference: 235,339,376,403,405

Plate and Size: 29(376),80mm

747 *Prisodon wheatleyi* Marshall, 1927

Age: Pliocene to Recent

Stratigraphy: Pebas Formation

Occurrence: Caravari & Juruá River, AM

Reference: 235,237,405

Plate and Size: 29(237),35mm

Genus *Diplodon* Spix, 1827

748 *Diplodon arrudai* Mezzalira, 1974

Age: Cretaceous, Senonian

Strata: Bauru Group

Occurrence: Presidente Prudente, SP

Reference: 281,283

Plate and Size: 29(281),66mm

749 *Diplodon luciano* Maury, 1934

Age: NeoJurassic-EoCretaceous

Stratigraphy: Souza Formation

Occurrence: Souza, PB

Reference: 247

Plate and Size: 29(247),7mm

Genus *Castalia* Lamarck, 1819

750 *Castalia ambigua* Lamarck, 1819

Age: Pliocene to Recent

Stratigraphy: Pebas Formation

Occurrence: Carauari & Juruá River, AM

Reference: 212,224,235,376,403,405

Plate and Size: 29(376),50mm

Genus *Ecuadoria* Marshall & Bowles, 1932

751 *Ecuadoria bibiana* Marshall, 1932

Age: Pliocene

Stratigraphy: Pebas Formation

Occurrence: Carauari & Juruá River, AM

Reference: 73,235,405

Plate and Size: 29(405),20mm

752 *Ecuadoria* (?) *minor* Roxo, 1937

nomen nudum

Reference: 235,405

?Genus *Florenceia* Mezzalira, 1974

753 *Florenceia peiropolensis* Mezzalira, 1974

Age: Cretaceous, Senonian

Stratigraphy: Bauru Group

Occurrence: Uberaba, MG

Reference: 281

Plate and Size: 29(281),50mm

Family SANCTICAROLITIDAE

Genus *Sancticarolis* Mezzalira, 1974

754 *Sancticarolis tolentinoi* Mezzalira, 1974

Age: Cretaceous, Senonian

Stratigraphy: Bauru Group

Occurrence: São Carlos, SP

Reference: 281,283

Plate and Size: 29(281),12mm

Superfamily MUTELOIDEA

Family MUTELIDAE

Genus *Itaimbea* Mezzalira, 1974

755 *Itaimbea priscus* (Ihering, 1913)

Age: Cretaceous, Senonian

Stratigraphy: Bauru Group

Occurrence: Fernando Prestes, SP

Reference: 183,280,281,283,343

Plate and Size: 29(281),55mm

Genus *Taxodontites* gen. n.

756 *Taxodontites paulistanensis* (Mezzalira, 1974)

Age: Cretaceous, Senonian

Stratigraphy: Bauru Group

Occurrence: Alvares Machado & Pacaembu

Paulista, SP

Reference: 281,283

Plate and Size: 29(281),40mm

Family MYCETOPODIDAE

Genus *Anodontites* Bruguière, 1792

N.B.: All species referred to *Anodonta* (Eurasian genus) were transferred to this genus

757 *Anodontites* (?) *allporti* (White, 1887)

Age: Cretaceous, Alagoan

Stratigraphy: Salvador Formation, Bahia Group

Occurrence: Pojuca and Alagoinhas, BA

Reference: 73,235,256,342,445

Plate and Size: 29(445),33mm

758 *Anodontites batesi* (Woodward, 1871) comb.n.

Age: Pliocene

Stratigraphy: Pebas Formation

Occurrence: Três Unidos, Javari River, AM

Reference: 235,403,448

Plate and Size: 29(448),67mm

759 *Anodontites freitasi* Mezzalira, 1974

Age: Cretaceous, Senonian

Stratigraphy: Bauru Group

Occurrence: Pacaembu Paulista, SP

Reference: 281

Plate and Size: 29(281),70mm

760 *Anodontites* (?) *hartti* (White, 1887)

Age: Cretaceous, Alagoan

Stratigraphy: Salvador Formation, Bahia Group

Occurrence: Pojuca & Alagoinhas, BA

Reference: 235,256,342,445
Plate and Size: 29(445),40mm

761 *Anodontites (?) mawsoni* (White, 1887)
Age: Cretaceous, Alagoan
Stratigraphy: Salvador Formation, Bahia Group
Occurrence: Pojuca & Alagoinha, BA
Reference: 235,256,342,445
Plate and Size: 29(445),22mm

762 *Anodontites pricei* Mezzalira, 1974
Age: Cretaceous, Senonian
Stratigraphy: Bauru Group
Occurrence: Peirópolis, MG
Reference: 281
Plate and Size: 29(281),70mm

763 *Anodontites (?) totiusanctorum* (Hartt, 1870)
Age: Cretaceous, Alagoan
Stratigraphy: Salvador Formation, Bahia Group
Occurrence: Pojuca & Alagoinhas, BA
Reference: 235,256,342,445
Plate and Size: 29(445),15mm

764 *Anodontites williamsi* (Hartt in Magalhães & Mezzalira, 1954) nomen nudum
Reference: 235

Genus *Fossula* Lea, 1870

765 *Fossula derbyi* Ihering, 1907
Age: Miocene
Stratigraphy: ?
Occurrence: Santa Maria da Boca do Monte, RS
Reference: 342
Plate and Size: 29(342),70mm

Genus *Monocondylaea* Orbigny, 1835

766 *Monocondylaea cominatoi* Mezzalira, 1974
Age: Cretaceous, Senonian
Stratigraphy: Bauru Group
Occurrence: Pacaembu Paulista, SP
Reference: 281,283
Plate and Size: 29(281),40mm

Superfamily ANTHRACOSIOIDEA
?Family PALAEOMUTELIDAE

Genus *Palaeomutela* Amalitsky, 1892

767 *Palaeomutela (?) platinensis* (Reed, 1935)
Age: Permian, Kazanian
Stratigraphy: Rio do Rasto Formation, Passa Dois

Group
Occurrence: Platina, PR
Reference: 73,217,231,263,268,373,374,401,420, 422
Plate and Size: 29(373),12mm

Superfamily Uncertain
Family PACHYCARDIIDAE

Genus *Kidodia* Cox, 1936

768 *Kidodia (?) expansa* Mendes, 1954
Age: Permian, Kazanian
Stratigraphy: Serra Alta Formation, Passa Dois Group
Occurrence: Guarapuava, PR
Reference: 263,422
Plate and Size: 29(263), 5mm

769 *Kidodia (?) cf. formosissima* (Orbigny)
Doubtful identification
Reference: 73,235

770 *Kidodia (?) paranaensis* Beurlen in Lange, 1954
Nomen nudum
Reference: 217

771 *Kidodia cf. stockleyi* Cox, 1936
Age: Permian, Kazanian
Stratigraphy: Corumbatai Formation, Passa Dois Group
Occurrence: Cordeirópolis, SP
Reference: 236,283,420
Plate and Size: 29(236),10mm

Subclass HETERODONTA
Order VENEROIDA
Superfamily LUCINOIDEA
Family LUCINIDAE
Subfamily LUCININAE

Genus *Lucina* Bruguière, 1797
Synonymy: *Phacoides* Blainville, 1825

772 *Lucina frugalis* Maury, 1925
Age: NeoOligocene-EoMiocene
Stratigraphy: Pirabas Formation
Occurrence: Igarapé-Açu & Nova Timboteua, PA
Reference: 73,124,235,243
Plate and Size: 29(243),11mm

773 *Lucina pectinata* (Gmelin, 1791)
Age: NeoOligocene to Recent

Stratigraphy: Pirabas Formation
Occurrence: Barreirinhas, MA
Reference: 84,149,392
Plate and Size: 29(392),50mm

774 *Lucina promaucana crucialis* (Ihering, 1907)
comb.n.

Age: Miocene
Stratigraphy: Pelotas Basin
Occurrence: Pelotas, RS
Reference: 91,182
Plate and Size: 29(182),20mm

775 *Lucina querida* Maury, 1925
Age: NeoOligocene-EoMiocene
Stratigraphy: Pirabas Formation
Occurrence: Pirabas, PA
Reference: 73,124,235,243
Plate and Size: 29(243),18mm

Subgenus *Lucinisca* Dall, 1901

776 *Lucina (Lucinisca) fluctivagus* (Maury, 1925)
Age: NeoOligocene-EoMiocene
Stratigraphy: Pirabas Formation
Occurrence: Pirabas, PA; Parnaíba, PI
Reference: 73,124,131,235,243
Plate and Size: 29(243),12mm

777 *Lucina (Lucinisca) luciniolae* (Maury, 1925)
comb.n.

Age: NeoOligocene-EoMiocene
Stratigraphy: Pirabas Formation
Occurrence: Pirabas, PA; Parnaíba, PI
Reference: 131, 148, 235, 243
Plate and Size: 29(243), 11mm

778 *Lucina (Lucinisca) thalassogonus* (Maury, 1925)

Age: NeoOligocene-EoMiocene
Stratigraphy: Pirabas Formation
Occurrence: Pirabas, PA
Reference: 73,124,235,243
Plate and Size: 30(243),9mm

Subgenus *Callucina* Dall, 1901

779 *Lucina (Callucina) tenella* Rathbun, 1874
Age: Paleocene to EoMiocene
Stratigraphy: Maria Farinha & Pirabas Formations
Occurrence: Maria Farinha & Paulista, PE;
Pirabas, PA
Reference: 124,194,235,365,445
Plate and Size: 30(445),14mm

Genus *Here* Gabb, 1866

780 *Here eudaidalus* (Maury, 1925) comb.n.
Age: NeoOligocene-EoMiocene
Stratigraphy: Pirabas Formation
Occurrence: Pirabas, PA
Reference: 73,124,148,231,243
Plate and Size: 30(243),17mm

Genus *Linga* de Gregorio, 1885

781 *Linga glomeramen* (Maury, 1925)
Age: NeoOligocene-EoMiocene
Stratigraphy: Pirabas Formation
Occurrence: Pirabas, PA; São Marcos, MA
Reference: 73,124,149,235,243
Plate and Size: 30(243),14mm

Subfamily MILTHINAE

Genus *Miltha* H. & A. Adams, 1857

782 *Miltha childrenae* (Gray, 1824)
Age: NeoOligocene to Recent
Stratigraphy: Pirabas Formation
Occurrence: Pirabas, PA
Reference: 94,134,392
Plate and Size: 30(392),82mm
Synonymy: *M. childreni* auctt., err. typogr.

Subfamily DIVARICELLINAE

Genus *Divaricella* von Martens, 1880

783 *Divaricella castelensis* Ferreira & Cunha, 1959
Age: NeoOligocene-EoMiocene
Stratigraphy: Pirabas Formation
Occurrence: Pirabas, PA
Reference: 124,148
Plate and Size: 30(148),18mm

Family FIMBRIIDAE

Genus *Fimbria* Megerle, 1811
Synonymy: *Corbis* Cuvier, 1817

784 *Fimbria aff manzairni* (Bittner)
Doubtful affinities
Reference: 235

785 *Fimbria maiiae* (Maury, 1934) comb.n.
Age: Cretaceous, Turonian
Stratigraphy: Açú Formation
Occurrence: Macau & Mossoró, RN
Reference: 35,40,235,247
Plate and Size: 30(247),19mm

786 *Fimbria mauryae* (Beurlen, 1964) comb.n.
Age: Cretaceous, Turonian
Stratigraphy: Açú Formation
Occurrence: Açú, Mossoró, RN
Reference: 35,40
Plate and Size: 30(35),45mm

Superfamily CARDITOIDEA
Family CARDITIDAE
Subfamily CARDITINAE

Genus *Cardita* Bruguière, 1792

787 *Cardita paranensis* Borchert, 1901
Age: Miocene
Stratigraphy: Pelotas Basin
Occurrence: Pelotas, RS
Reference: 48,91
Plate and Size: 30(48),20mm

Subfamily VENERICARDIINAE

Genus *Venericardia* Lamarck, 1801

788 *Venericardia agriculturae* Maury, 1925
Age: NeoOligocene-EoMiocene
Stratigraphy: Pirabas Formation
Occurrence: Igarapé-Açu, Parnaíba & Nova
Timboteua, PA; São Marcos, MA
Reference: 73,124,131,149,235,243
Plate and Size: 30(243),13mm

789 *Venericardia amazoniana* Maury, 1925
Age: NeoOligocene-EoMiocene
Stratigraphy: Pirabas Formation
Occurrence: Igarapé-Açu & Nova Timboteua, PA
Reference: 124,235,243
Plate and Size: 30(243),21mm

790 *Venericardia camaronensis* Ihering, 1907
Age: Miocene
Stratigraphy: Pelotas Basin
Occurrence: Pelotas, RS
Reference: 91,181
Plate and Size: 30(181),10mm

791 *Venericardia cannada* Ihering, 1907
Age: Miocene
Stratigraphy: Pelotas Basin
Occurrence: Pelotas, RS
Reference: 91,181
Plate and Size: 30(181),16mm

792 *Venericardia isaurae* Maury, 1925

Age: NeoOligocene-EoMiocene
Stratigraphy: Pirabas Formation
Occurrence: Pirabas, PA
Reference: 73,124,148,235,243
Plate and Size: 30(243),10mm

793 *Venericardia linoi* Oliveira, 1957
Age: Cretaceous, Campanian-Maastrichtian
Stratigraphy: Gramame Formation
Occurrence: Olinda, PE
Reference: 73,327,330
Plate and Size: 30(327),19mm

794 *Venericardia marisaustralis* Maury, 1930
Age: Cretaceous, Campanian-Maastrichtian
Stratigraphy: Gramame Formation
Occurrence: Gramame River, João Pessoa, PB
Reference: 73,224,235,246
Plate and Size: 30(246),45mm

795 *Venericardia morganiana* Rathbun, 1874
Age: Paleocene
Stratigraphy: Maria Farinha Formation
Occurrence: Maria Farinha, PE
Reference: 124,194,235,348,365,445,447
Plate and Size: 30(445),32mm

796 *Venericardia mossoroensis* Maury, 1934
Age: Cretaceous, Turonian-Maastrichtian
Stratigraphy: Jandaira Formation
Occurrence: Mossoró & Apodi, RN
Reference: 35,40,235,247
Plate and Size: 30(247),13mm

797 *Venericardia perimetra* Maury, 1925
Age: NeoOligocene-EoMiocene
Stratigraphy: Pirabas Formation
Occurrence: Pirabas, PA; Turiaçu, MA
Reference: 73,124,148,150,235,243
Plate and Size: 30(243),39mm

798 *Venericardia perumbonata* (White, 1887)
Age: NeoOligocene-EoMiocene
Stratigraphy: Pirabas Formation
Occurrence: Pirabas & Gerônimo, PA
Reference: 8,73,124,148,194,235,243,445
Plate and Size: 30(243),10mm

799 *Venericardia philotima* Maury, 1925
Age: NeoOligocene-EoMiocene
Stratigraphy: Pirabas Formation
Occurrence: Pirabas, PA
Reference: 73,124,148,235,243
Plate and Size: 30(243),32mm

800 *Venericardia pseudowilmotii* Maury, 1925
Age: NeoOligocene-EoMiocene
Stratigraphy: Pirabas Formation
Occurrence: Pirabas, PA
Reference: 124,235,243,445
Plate and Size: 30(445),38mm
Synonymy: *Cardita wilmotti*: White, 1887 non Rathbun

801 *Venericardia thaleria* Maury, 1925
Age: NeoOligocene-EoMiocene
Stratigraphy: Pirabas Formation
Occurrence: Pirabas, PA
Reference: 73,124,148,235,243
Plate and Size: 30(243),13mm

802 *Venericardia wilmotii* Rathbun, 1874
Age: Paleocene
Stratigraphy: Maria Farinha Formation
Occurrence: Maria Farinha, PE
Reference: 124,194,235,348,365,445,447
Plate and Size: 30(348),23mm

Subfamily CARDITAMERINAE

Genus *Carditamera* Conrad, 1838

803 *Carditamera manteia* (Maury, 1925)
Age: NeoOligocene-EoMiocene
Stratigraphy: Pirabas Formation
Occurrence: Pirabas, PA; Parnaíba, PI; S. Marcos, MA
Reference: 73,124,131,148,149,235,243
Plate and Size: 30(243),29mm

Family PERMOPHORIDAE

Subfamily PERMOPHORINAE

Genus *Permophorus* Chavan, 1954
Synonymy: *Pleurophorus* King, 1844

804 *Permophorus brasiliensis* (Mendes, 1966) comb.n.
Age: Carboniferous, Westphalian
Stratigraphy: Itaituba Formation
Occurrence: Itaituba, PA
Reference: 267
Plate and Size: 30(267),19mm

805 *Permophorus similis* (Girty, 1927) comb.n.?
Age: Carboniferous, Westphalian
Stratigraphy: Itaituba Formation
Occurrence: Urucará & Jatapu River, AM
Reference: 73,122,235,267

Plate and Size: 30(122),14mm

806 *Permophorus subcostatus* Meek & Worthen, 1868
Age: Carboniferous, Westphalian
Stratigraphy: Itaituba Formation
Occurrence: Urucará & Jatapu River, AM
Reference: 73,122,235
Plate and Size: 30(122),11mm

807 *Permophorus tropidophorus* (Meek)
Age: Carboniferous, Westphalian
Stratigraphy: Itaituba Formation
Occurrence: Itaituba, PA
Reference: 235,267,418
Plate and Size: 30(418),21mm

?Genus *Pleurodapis* Clarke, 1913

808 *Pleurodapis multicincta* Clarke, 1913
Age: Devonian, Eifelian-Frasnian
Stratigraphy: São Domingos Member, Ponta Grossa Formation
Occurrence: Ponta Grossa, PR
Reference: 73,88,100,217,235,300,422
Plate and Size: 30(88),75mm

Subfamily MYOCONCHINAE

Genus *Myoconcha* Sowerby, 1824

809 *Myoconcha* cf. *goldfussii* Dunker
Doubtful identification
Reference: 73,217,235,370

Genus *Stutchburia* Etheridge, 1900

810 *Stutchburia brasiliensis* Reed, 1930
Age: Permian, Kungurian
Stratigraphy: Rio Bonito Formation, Tubarão Group
Occurrence: Taió, SC
Reference: 73,235,371,394,395,398
Plate and Size: 31(371),160mm

Superfamily CRASSATELLOIDEA

Family CRASSATELLIDAE

Subfamily CRASSATELLINAE

Genus *Crassatella* Lamarck, 1799
Synonymy: *Crassatellites* Krüger, 1823

811 *Crassatella dilabida* White, 1887
Age: Paleocene

Stratigraphy: Maria Farinha Formation
Occurrence: Maria Farinha & Paulista, PE
Reference: 124,235,348,445
Plate and Size: 30(455),31mm

812 *Crassatella ganguararica* (Maury, 1937)
Age: Cretaceous, Albion-Cenomanian
Stratigraphy: Riachuelo Formation
Occurrence: Gangarari, SE
Reference: 13,38,73,235,249,313
Plate and Size: 30(249),9mm

813 *Crassatella maroimensis* (White, 1887)
Age: Cretaceous, Albion-Cenomanian
Stratigraphy: Riachuelo Formation
Occurrence: Maruim, SE
Reference: 38,235,249,313,445
Plate and Size: 31(445),23mm

Genus *Eucrassatella* Iredale, 1924

814 *Eucrassatella uruguayensis* (Smith, 1880) #
Age: Miocene to Recent
Stratigraphy: Pelotas Basin
Occurrence: Pelotas, RS
Reference: 91,155
Plate and Size: 31(155),15mm

Genus *Oriocrassatella* Etheridge, 1907

815 *Oriocrassatella itajaiensis* Rocha Campos, 1970
Age: Permian, Kungurian
Stratigraphy: Rio Bonito Formation, Tubarão Group
Occurrence: Taió, SC
Reference: 398,407
Plate and Size: 31(398),66mm

Genus *Cypricardella* Hall, 1858

816 *Cypricardella hartti* Clarke, 1899
Age: Devonian, Emsian
Stratigraphy: Maecuru Formation
Occurrence: Maecuru, PA
Reference: 86,100,192,193,194,231,235,435
Plate and Size: 31(193),46mm

817 *Cypricardella* (?) *olivieria* Clarke, 1913
Age: Devonian, Eifelian-Frasnian
Stratigraphy: São Domingos Member, Ponta Grossa Formation
Occurrence: Ponta Grossa, PR
Reference: 73,88,217,235,300,422
Plate and Size: 31(88),20mm

818 *Cypricardella* (?) *petrolandensis* Muniz, 1979
Age: Devonian, Frasnian-Famennian
Stratigraphy: Inajá Formation
Occurrence: Petrolândia, PE
Reference: 224,304
Plate and Size: 31(304),22mm

819 *Cypricardella pohli* Clarke, 1899
Age: Devonian, Emsian
Stratigraphy: Maecuru Formation
Occurrence: Maecuru, PA
Reference: 86,100,192,193,194,235,435
Plate and Size: 31(86),44mm

Subfamily SCAMBULINAE

Genus *Crassinella* Guppy, 1874

820 *Crassinella erichseni* Ferreira, 1969
Age: Neogene-Eocene
Stratigraphy: Pirabas Formation
Occurrence: São Marcos, MA
Reference: 137,139
Plate and Size: 31(139),17mm

821 *Crassinella martinicensis* (Orbigny, 1842)
Age: Neogene-Eocene
Stratigraphy: Pirabas Formation
Occurrence: São Marcos, MA
Reference: 94,136,137,139,392
Plate and Size: 31(137),6mm

Family Uncertain

Genus *Leinzia* Mendes, 1949

822 *Leinzia biplex* (Reed, 1928)
Age: Permian, Kazanian
Stratigraphy: Estrada Nova Formation, Passa Dois Group
Occurrence: Serrinha, PR
Reference: 93,217,235,370,408,422
Plate and Size: 31(370),10mm

823 *Leinzia curta* Beurlen in Lange, 1954
Nomen Nudum
Reference: 213

824 *Leinzia similis* (Holdhaus, 1918)
Age: Permian, Kazanian
Stratigraphy: Estrada Nova Formation, Passa Dois Group
Occurrence: Serrinha, PR
Reference: 73,176,217,235,259,263,282,286,370,

401,408,420,422

Plate and Size: 31(263),12mm

Genus *Anhembia* Mezzalira, Mendes & Maranhão, 1990

825 *Anhembia froesi* (Mendes, 1949)

Age: Permian, Kazanian

Stratigraphy: Serra Alta Formation, Passa Dois Group

Occurrence: Anhembí, SP

Reference: 99,213,217,259,277,280,282,283,286, 408,420,421,422

Plate and Size: 31(277),71mm

826 *Anhembia gigantea* (Mendes, 1949)

Age: Permian, Kazanian

Stratigraphy: Serra Alta Formation, Passa Dois Group

Occurrence: Anhembí, SP

Reference: 217,259,280,282,283,286,408

Plate and Size: 31(259),11mm

Genus *Nothoterraia* Rohn (1986)

827 *Nothoterraia acarinata* Rohn in Simões & Fittipaldi, 1987 nomen nudum

Reference: 401,420,422

Superfamily ASTARTOIDEA

Family ASTARTIDAE #

Subfamily ASTARTINAE

Genus *Astarte* Sowerby, 1818

828 *Astarte brunetti* Hartt

Age: Cretaceous, Cenomanian

Stratigraphy: Cotinguiba Formation

Occurrence: Itaporanga & Japarutuba, SE

Reference: 13

829 *Astarte sergipensis* Maury, 1937

Age: Cretaceous, Albian-Cenomanian

Stratigraphy: Riachuelo Formation

Occurrence: Lastro, SE

Reference: 73,235,249,313

Plate and Size: 31(249),25mm

Genus *Astartella* Hall, 1858

830 *Astartella langei* Mendes, 1966

Age: Carboniferous, Westphalian

Stratigraphy: Itaituba Formation

Occurrence: Itaituba, PA

Reference: 267

Plate and Size: 31(267),35mm

Genus *Astartellopsis* Beurlen, 1954

831 *Astartellopsis nana* Beurlen "1953"

nomen nudum

Reference: 217,408

832 *Astartellopsis prosocline* Beurlen, 1954

Age: Permian, Kazanian

Stratigraphy: Estrada Nova Formation, Passa Dois Group

Occurrence: Serrinha, PR

Reference: 73,217,235,370,408

Plate and Size: 31(370),6mm

Synonymy: *A. cf. triasina*: Reed, 1929 non Roem

Subfamily PINZONELLINAE

Genus *Pinzonella* Reed, 1932

Synonymy: *Pinzonellopsis* Mendes, 1944

833 *Pinzonella elongata* Beurlen, 1954

Age: Permian, Kazanian

Stratigraphy: Corumbatai Formation, Passa Dois Group

Occurrence: Rio Claro Region, Charqueada & Tambau, SP; Terezinha, PR

Reference: 112,217,277,280,283

Plate and Size: 31(277),13mm

N.B.: maybe a *P. neotropica* synonymy

834 *Pinzonella illusa* Reed, 1932

Age: Permian, Kazanian

Stratigraphy: Corumbatai Formation, Passa Dois Group

Occurrence: Rio Claro Region, Angatuba & Taguai, SP; Terezinha, PR

Reference: 73,158,159,213,217,236,257,260,264, 274,277,279,280,282,283,359,360,361,372,373, 374,397,408,420,421

Plate and Size: 31(260),17mm

Synonymy: *P. similis* Reed, 1932; *P. trigonia* Mendes, 1944

835 *Pinzonella neotropica* (Reed, 1928)

Age: Permian, Kazanian

Stratigraphy: Corumbatai & Estrada Nova Formations, Passa Dois Group

Occurrence: Rio Claro Region, Tambau, Paranapanema & Descalvado, SP; Terezina, PR; Canoinhas, SC

Reference: 73,122,158,213,217,235,257,260,263,

268,274,279,280,283,316,340,369,370,372,373,
374,375,408,420,421,422
Plate and Size: 31(260),20mm
Synonymy: *Trigonodus cf costatus*:Reed, 1929
non Wöhrm; *Pinzonellopsis rugosa occidentalis*
(Reed, 1929); *Terraia angusta* Reed, 1929

Subfamily ERIPHYLINAE

Genus *Eriphyla* Gabb, 1867

Subgenus *Dozyia* Bosquet in Dewalque, 1868

836 *Eriphyla (Dozyia) lenticularis* (Goldfuss,
1839)

Age: Cretaceous, Cenomanian-Coniacian

Stratigraphy: Cotinguiba Formation

Occurrence: Itaporanga & Japarutuba, SE

Reference: 13,432

Plate and Size: 31(432),35mm

Superfamily CARDIOIDEA

Family CARDIIDAE

Subfamily CARDIINAE

Genus *Cardium* Linné, 1758 #

837 *Cardium algodoensis* Maury, 1925

Age: Cretaceous, Albian-Cenomanian

Stratigraphy: Algodões Formation

Occurrence: Algodões, BA

Reference: 54,57,73,235,243

Plate and Size: 31(243),11mm

838 *Cardium coutinhoi* Maury, 1925

Age: NeoOligocene-EoMiocene

Stratigraphy: Pirabas Formation

Occurrence: Igarapé-Açu & Nova Timboteua, PA

Reference: 73,124,235,243

Plate and Size: 31(243),40mm

839 *Cardium endymionis* Maury, 1934

Age: Cretaceous, Turonian

Stratigraphy: Açu Formation

Occurrence: Mossoró, RN

Reference: 35,40,247

Plate and Size: 31(247),45mm

840 *Cardium hortensium* Maury, 1925

Age: NeoOligocene-EoMiocene

Stratigraphy: Pirabas Formation

Occurrence: Nova Timboteua & Igarapé-Açu, PA

Reference: 73,124,148,213,235,243

Plate and Size: 31(243),20mm

841 *Cardium itapassarocanum* Maury, 1934

Age: Cretaceous, Turonian-Maastrichtian

Stratigraphy: Jandaira Formation

Occurrence: Itapassaroca, RN

Reference: 35,235,247

Plate and Size: 32(247),45mm

842 *Cardium jenkinsi* Maury, 1934

Age: Cretaceous, Turonian-Maastrichtian

Stratigraphy: Jandaira Formation

Occurrence: Itapassaroca & Mossoró, RN

Reference: 35,235,247

Plate and Size: 32(247),18mm

843 *Cardium philotarium* Maury, 1925

Age: NeoOligocene-EoMiocene

Stratigraphy: Pirabas Formation

Occurrence: Pirabas, PA

Reference: 73,124,148,235,243

Plate and Size: 32(243),13mm

844 *Cardium riogramamense* Maury, 1930

Age: Cretaceous, Campanian-Maastrichtian

Stratigraphy: Gramame Formation

Occurrence: Pessoa, PB

Reference: 73,224,235,246

Plate and Size: 32(246),57mm

845 *Cardium soperi* Maury, 1925

Age: Cretaceous, Bahian

Stratigraphy: Pendência Formation

Occurrence: Marau & Pendência, RN

Reference: 73,235,243

Plate and Size: 32(243),73mm

846 *Cardium thalassium* Maury, 1925

Age: NeoOligocene-EoMiocene

Stratigraphy: Pirabas Formation

Occurrence: Pirabas, PA

Reference: 73,124,235,243

Plate and Size: 32(243),17mm

847 *Cardium viridarii* Maury, 1925

Age: NeoOligocene-EoMiocene

Stratigraphy: Pirabas Formation

Occurrence: Igarapé-Açu & Nova Timboteua, PA

Reference: 73,124,235,243

Plate and Size: 32(243),20mm

Genus *Granocardium* Gabb, 1869

Subgenus *Criocardium* Conrad, 1870

848 *Granocardium (Criocardium) soaresanum*
(Rathbun, 1874)

Age: Paleocene

Stratigraphy: Maria Farinha Formation
Occurrence: Maria Farinha & Paulista, PE; Natal, RN
Reference: 124,185,235,365,445
Plate and Size: 32(185),12mm

Genus *Acanthocardia* Gray, 1851

849 *Acanthocardia riachuelense* (Maury, 1937)
Age: Cretaceous, Albion-Cenomanian
Stratigraphy: Riachuelo Formation
Occurrence: Riachuelo & Roque Mendes, SE
Reference: 38,73,235,249,314
Plate and Size: 32(249),33mm

Subfamily FRAGINAE #

Genus *Fragum* Röding, 1798
Synonymy: *Isocardia* Oken, 1815

850 *Fragum branneri* (White, 1887) comb.n.
Age: Cretaceous, Albion-Cenomanian
Stratigraphy: Riachuelo Formation
Occurrence: Maruim, SE
Reference: 38,40,235,243,249,314,445
Plate and Size: 32(445),32mm

851 *Fragum brasiliensis* (Beurlen, 1964) comb.n.
Age: Cretaceous, Turonian
Stratigraphy: Açú Formation
Occurrence: Mossoró, RN
Reference: 35,40
Plate and Size: 32(35),40mm

852 *Fragum coutinhoanum* (White, 1887) comb.n.
Age: Cretaceous, Albion-Cenomanian
Stratigraphy: Riachuelo Formation
Occurrence: Maruim, SE
Reference: 38,235,249,314,445
Plate and Size: 32(445),35mm

853 *Fragum estancianum* (Maury, 1925)
Age: NeoOligocene-EoMiocene
Stratigraphy: Pirabas Formation
Occurrence: Nova Timboteua & Igarapé-Açu, PA
Reference: 73,124,148,235,243
Plate and Size: 32(243),8mm

854 *Fragum perobliquum* (von Koenen, 1897)
Age: Cretaceous, Cenomanian-Coniacian
Stratigraphy: Cotinguiba Formation
Occurrence: Laranjeiras, SE
Reference: 13,27

855 *Fragum praecisum* (White, 1887) comb.n.
Age: Cretaceous, Albion-Cenomanian
Stratigraphy: Riachuelo Formation
Occurrence: Maruim, SE
Reference: 235,249,314,445
Plate and Size: 32(445),36mm

856 *Fragum proavatum* (White, 1887)
Age: NeoOligocene-EoMiocene
Stratigraphy: Pirabas Formation
Occurrence: Pirabas, PA; Turiaçu, MA
Reference: 124,150,194,235,243,445
Plate and Size: 32(445),11mm

Genus *Trigonocardia* Dall, 1900

857 *Trigonocardia cordeliae* Maury, 1925
Age: NeoOligocene-EoMiocene
Stratigraphy: Pirabas Formation
Occurrence: Pirabas, PA
Reference: 73,124,148,235,243
Plate and Size: 32(243),7mm

Subfamily TRACHYCARDIINAE

Genus *Trachycardium* Mörch, 1853

858 *Trachycardium amphitrites* (Maury, 1925)
Age: Cretaceous, Turonian to Maastrichtian
Stratigraphy: Açú & Jandaira Formations
Occurrence: Mossoró & Pendência, RN
Reference: 35,40,73,235,243,347
Plate and Size: 32(243),66mm

859 *Trachycardium paraense* (White, 1887)
Age: NeoOligocene-EoMiocene
Stratigraphy: Pirabas Formation
Occurrence: Pirabas & Salinas, PA
Reference: 8,73,124,148,194,235,243,445
Plate and Size: 32(243),30mm

860 *Trachycardium perinfaustum* (Maury, 1925)
Age: Cretaceous, Turonian-Maastrichtian
Stratigraphy: Jandaira Formation
Occurrence: Mossoró, Macau & Pendência, RN
Reference: 35,40,73,235,243,347
Plate and Size: 32(243),66mm

861 *Trachycardium pessoai* (Maury, 1925)
Age: NeoOligocene-EoMiocene
Stratigraphy: Pirabas Formation
Occurrence: Pirabas, PA
Reference: 73,124,148,235,243
Plate and Size: 32(243),41mm

862 *Trachycardium riograndensis* (Maury, 1925)
Age: Cretaceous, Turonian-Maastrichtian
Stratigraphy: Jandaira Formation
Occurrence: Macau & Mossoró, RN
Reference: 35,40,73,235,243,247,347
Plate and Size: 32(243),26mm
Synonymy: *T. galateae* (Maury, 1925)

Subgenus *Dallocardia* Steward, 1930

863 *Trachycardium (Dallocardia) muricatum* (Linné, 1758)
Age: Miocene to Recent
Stratigraphy: Pelotas Basin
Occurrence: Pelotas, RS
Bibliography: 91,392
Plate and Size: 32(392),70mm

Subfamily LAEVICARDIINAE

Genus *Laevicardium* Swainson, 1840

864 *Laevicardium laevigatum* (Linné, 1758)
Age: NeoOligocene to Recent
Stratigraphy: Pirabas Formation
Occurrence: Pirabas, PA
Reference: 94,392,447
Plate and Size: 32(392),18mm

865 *Laevicardium serratum* (Linné, 1758) #
Age: NeoOligocene to Recent
Stratigraphy: Pirabas Formation
Occurrence: Pirabas, PA; Turiaçu, MA
Reference: 73,150,235,243
Plate and Size: 32(243),34mm

Subfamily PROTOCARDIINAE #

Genus *Nemocardium* Meek, 1876

866 *Nemocardium brasiliense* (White, 1887)
Age: Cretaceous, Albian-Cenomanian
Stratigraphy: Riachuelo Formation
Occurrence: Maruim, SE
Reference: 38,235,248,314,445
Plate and Size: 32(445),31mm

867 *Nemocardium indistinctum* (White, 1887)
Age: NeoOligocene-EoMiocene
Stratigraphy: Pirabas Formation
Occurrence: Pirabas, PA
Reference: 73,124,194,235,243
Plate and Size: 32(243),28mm

Subgenus *Microcardium* Thiele, 1934

868 *Nemocardium (Microcardium) jamaicensis* (Dall, 1900)
Age: NeoOligocene-EoMiocene
Stratigraphy: Pirabas Formation
Occurrence: São Marcos, MA
Reference: 139,447
Plate and Size: 32(139),8mm

Superfamily MACTROIDEA
Family MACTRIDAE
Subfamily MACTRINAE

Genus *Mactra* Linné, 1767

869 *Mactra defossa* Maury, 1925
Age: NeoOligocene-EoMiocene
Stratigraphy: Pirabas Formation
Occurrence: Pirabas, PA
Reference: 73,124,148,235,243
Plate and Size: 32(243),41mm

870 *Mactra marplatensis* Doello-Jurado, 1918
Age: Miocene to Recent
Stratigraphy: Pelotas Basin
Occurrence: Pelotas RS
Reference: 91,392
Plate and Size: 32(392),33mm

Genus *Cymbophora* Gabb, 1869 #

871 *Cymbophora cf. scalpellum* Stephenson, 1941
Age: Cretaceous, Turonian-Maastrichtian
Stratigraphy: Jandaira Formation
Occurrence: Mossoró, RN
Reference: 35,40
Plate and Size: 32(35),50mm

Subfamily PTEROPSELLINAE

Genus *Anatina* Schumacher, 1817

872 *Anatina putatoria* White, 1887
Age: Cretaceous, Albian-Cenomanian
Stratigraphy: Riachuelo Formation
Occurrence: Lastro, Maruim, SE
Reference: 235,249,445
Plate and Size: 32(445),60mm

Superfamily SOLENOIDEA
Family SOLENIDAE

Genus *Solen* Linné, 1758

873 *Solen paraensis* (White, 1887)
Age: NeoOligocene-EoMiocene
Stratigraphy: Pirabas Formation
Occurrence: Pirabas, PA
Reference: 235,445
Plate and Size: 33(445),80mm

Subgenus *Solena* Mörch, 1853

874 *Solen (Solena) obliquus* (Spengler, 1794)
Age: NeoOligocene to Recent
Stratigraphy: Pirabas Formation
Occurrence: Pirabas, PA
Reference: 73,94,148,235,243,392,447
Plate and Size: 33(243),102mm

Superfamily TELLINOIDEA

Family TELLINIDAE

Subfamily TELLININAE

Genus *Tellina* Linné, 1758

875 *Tellina celestes* Maury, 1925
Age: NeoOligocene-EoMiocene
Stratigraphy: Pirabas Formation
Occurrence: Pirabas, PA
Reference: 73,124,148,235,236,243
Plate and Size: 33(243),33mm

876 *Tellina dutrae* Maury, 1925
Age: Cretaceous, Albian-Cenomanian
Stratigraphy: Algodões Formation
Occurrence: Algodões, BA
Reference: 54,57,73,235,243
Plate and Size: 33(243),16mm

877 *Tellina penthesileae* Maury, 1925
Age: NeoOligocene-EoMiocene
Stratigraphy: Pirabas Formation
Occurrence: Igarapé Açu & Nova Timboteua, PA;
Parnaíba, PI
Reference: 73,124,131,148,235,243
Plate and Size: 33(243),25mm

878 *Tellina pernambucensis* Rathbun, 1874
Age: Paleocene
Stratigraphy: Maria Farinha Formation
Occurrence: Maria Farinha & Paulista, PE
Reference: 124,194,235,365,445
Plate and Size: 33(445),18mm

Subgenus *Angulus* Muhlfeld, 1811

879 *Tellina (Angulus) gibber* Ihering, 1907

Age: Miocene to Recent
Stratigraphy: Pelotas Basin
Occurrence: Pelotas, RS
Reference: 91,392
Plate and Size: 33(392),20mm

Subfamily MACOMINAE

Genus *Macoma* Leach, 1819

Subgenus *Psammacoma* Dall, 1900

880 *Macoma (Psammacoma) riopirabica* Maury, 1925
Age: NeoOligocene-EoMiocene
Stratigraphy: Pirabas Formation
Occurrence: Pirabas, PA
Reference: 73,124,148,234,243
Plate and Size: 33(243),35mm

Genus *Apolymetis* Salisbury, 1929 #

881 *Apolymetis trinitaria* (Dall, 1900)
Age: NeoOligocene-EoMiocene
Stratigraphy: Pirabas Formation
Occurrence: Pirabas, PA; São Marcos, MA
Reference: 73,134,136,139,148,235,243
Plate and Size: 33(139),30mm

Family SEMELIDAE

Genus *Semele* Schumacher, 1817

882 *Semele paraensis* (White, 1887)
Age: NeoOligocene-EoMiocene
Stratigraphy: Pirabas Formation
Occurrence: Pirabas, PA
Reference: 73,124,148,194,235,243,445
Plate and Size: 33(445),38mm
Synonymy: *S.ferreirae* Maury, 1925

Family PSAMMOBIIDAE

Subfamily SOLECURTINAE

Genus *Solecurtus* Blainville, 1824

883 *Solecurtus cereris* (Maury, 1925)
Age: NeoOligocene-EoMiocene
Stratigraphy: Pirabas Formation
Occurrence: Igarapé-Açu & Nova Timboteua, PA
Reference: 73,124,235,243
Plate and Size: 33(243),24mm

Genus *Tagelus* Gray, 1847

884 *Tagelus whitei* Maury, 1925
Age: NeoOligocene-EoMiocene
Stratigraphy: Pirabas Formation
Occurrence: Pirabas, PA
Reference: 73,124,148,235,243
Plate and Size: 33(243),40mm

Family TANCREDIIDAE #

Genus *Meekia* Gabb, 1864

885 *Meekia commemorata* White, 1887
Age: Paleocene
Stratigraphy: Maria Farinha Formation
Occurrence: Maria Farinha, PE
Reference: 235,445
Plate and Size: 33(445),14mm

Family DONACIDAE

Genus *Iphigenia* Schumacher, 1817

886 *Iphigenia ferreirai* Campos, 1980
Age: NeoOligocene-EoMiocene
Stratigraphy: Pirabas Formation
Occurrence: Parnaíba River, PI
Reference: 72,73
Plate and Size: 33(72),52mm

Doubtful Tellinoidea

Genus *Terraia* Cox, 1934

Synonymy: *Maackia* Mendes, 1954;
Oliveria Mendes, 1954

887 *Terraia aequilateralis* Mendes, 1952
Age: Permian, Kazanian
Stratigraphy: Corumbatai Formation, Passa Dois Group
Occurrence: Rio Claro Region & Angatuba, SP
Reference: 23,73,158,159,213,260,264,277,280,282,283,360,408,420,421
Plate and Size: 33(273),13mm

888 *Terraia altissima* (Holdhaus, 1918)
Age: Permian, Kazanian
Stratigraphy: Corumbatai & Rio do Rasto Formations, Passa Dois Group
Occurrence: Rio Claro Region, SP; Serrinha, PR
Reference: 73,106,176,217,235,257,258,263,296,316,370,412,420,421,422
Plate and Size: 33(370+263),14mm
Synonymy: *Pseudocorbula* aff *sandbergert*: Reed, 1929 non Philippi, 1898; *T.reducta* Reed, 1929;

Solenomorpha deflexa Holdhaus, 1918; *Myophoria* cf *worhmanni*: Reed, 1929 non Bittner; *Myophoria* cf *kefersteini nuda*: Reed, 1929 non Waagen; *Myophoriopsis* cf *kittli*: Reed, 1929 non Bittner; *Isocyprina concentrica*: Reed, 1929 non Moore; *Isocyprina percrassa*: Reed, 1929 non Bohm, 1901; ?*Myophoriopsis* cf *richthofeni*: Reed, 1929 non Stur.

889 *Terraia contorta* (Mendes, 1954)
Age: Permian, Kazanian
Stratigraphy: Serra Alta Formation, Passa Dois Group
Occurrence: Reserva, PR
Reference: 23,73,263,408,422
Plate and Size: 33(263),11mm

890 *Terraia curvata* (Reed, 1929)
Age: Permian, Kazanian
Stratigraphy: Rio do Rasto Formation, Passa Dois Group
Occurrence: Serrinha, PR
Reference: 73,217,235,370
Plate and Size: 33(370),11mm

891 *Terraia* (?) *erichseni* Mendes, 1954
Age: Permian, Kazanian
Stratigraphy: Corumbatai Formation, Passa Dois Group
Occurrence: Gutierrez, PR
Reference: 73,263,408
Plate and Size: 33(263),30mm

892 *Terraia ferroviaria* Loefgren, 1942
nomen nudum
Reference: 283

893 *Terraia intermedia* (Holdhaus, 1918)
Age: Permian, Kazanian
Stratigraphy: Rio do Rasto Formation, Passa Dois Group
Occurrence: Serrinha, PR
Reference: 73,176,217,235,370
Plate and Size: 33(370),22mm
Synonymy: *Myophoriopsis rosthorni*: Reed, 1929 non Boué; *Myophoria* (*Heminajas*) *holdhausi* Reed, 1929

894 *Terraia iratiensis* (Beurlen, 1957)
Age: Permian, Kazanian
Stratigraphy: Irati Formation, Passa Dois Group
Occurrence: São Mateus do Sul, PR
Reference: 23,73,420,422
Plate and Size: 33(23),13mm

895 *Terraia lamegoi* Mendes, 1954
 Age: Permian, Kazanian
 Stratigraphy: Corumbatai Formation, Passa Dois Group
 Occurrence: Terezinha, PR
 Reference: 263,408,422
 Plate and Size: 33(263),19mm

896 *Terraia pristina* (Reed, 1929)
 Age: Permian, Kazanian
 Stratigraphy: Rio do Rasto Formation, Passa Dois Group
 Occurrence: Serrinha, PR
 Reference: 73,217,235,263,267,401,408,420,422
 Plate and Size: 33(263),12mm
 Synonymy: *Thracia perversa* Reed, 1929

Superfamily DREISSENOIDEA
 Family DREISSENIDAE

Genus *Dreissena* Beneden, 1835 #

897 *Dreissena acuta* Etheridge, 1879
 Age: Pliocene
 Stratigraphy: Pebas Formation
 Occurrence: Canamá, AM
 Reference: 126,127,235,403
 Plate and Size: 33(403),30mm

Superfamily ARCTICOIDEA
 Family ARCTICIDAE

Genus *Veniella* Stoliczka, 1870
 Synonymy: *Roudairia* Munier-Chalmas, 1881

898 *Veniella brasiliensis* (Maury, 1930)
 Age: Cretaceous, Campanian-Maastrichtian
 Stratigraphy: Gramame Formation
 Occurrence: Gramame River, João Pessoa, PB; Aracaju, SE
 Reference: 224,226,235,246,415
 Plate and Size: 33(415),90mm

899 *Veniella erichseni* (Santos & Castro, 1970) comb.n.
 Age: Cretaceous, Santonian-Maastrichtian
 Stratigraphy: Piaçabuçu Formation
 Occurrence: Cotinguiba, SE
 Reference: 415
 Plate and Size: 33(415),53mm

Family TRAPEZIIDAE

Genus *Trapezium* Mengele, 1811 #

900 *Trapezium insepultum* White, 1887
 Age: Cretaceous, Albion-Cenomanian
 Stratigraphy: Riachuelo Formation
 Occurrence: Porto dos Barcos, Maruim, SE
 Reference: 235,249,445
 Plate and Size: 33(445),47mm

Superfamily CORBICULOIDEA
 Family PISIDIIDAE

Genus *Sphaerium* Scopoli, 1777 #

901 *Sphaerium ativum* White, 1887
 Age: Cretaceous, Alagoan
 Stratigraphy: Bahia Group
 Occurrence: Pojuca, BA
 Reference: 235,256,342,445
 Plate and Size: 33(445),7mm
 Synonymy: *S. etivum* auctt.,err.typogr.

Superfamily VENEROIDEA
 Family VENERIDAE
 Subfamily VENERINAE

Genus *Ventricolaria* Keen, 1854

902 *Ventricolaria thalestris* (Maury, 1925)
 Age: NeoOligocene-EoMiocene
 Stratigraphy: Pirabas Formation
 Occurrence: Pirabas, PA; Turiaçu, MA
 Reference: 73,124,148,149,150,235,243
 Plate and Size: 33(243),43mm
 Synonymy: *V. amazoniana* (Maury, 1925); *V. proserpinae* (Maury, 1925); *V. sanctaenocis* (Maury, 1925)

Genus *Periglypta* Jukes-Browne, 1914

903 *Periglypta multicostata* (Sowerby, 1835) #
 Age: NeoOligocene (Aquitanian) to Recent
 Stratigraphy: Pirabas Formation
 Occurrence: Capanema, PA
 Reference: 78
 Plate and Size: 33(78),30mm
 Synonymy: *Cytherea caesarina* Dall, 1903

Subfamily CHIONINAE

Genus *Chione* Mengele, 1811

904 *Chione doellojuradoi* Medina, 1962
 Age: Miocene
 Stratigraphy: Pelotas Basin
 Occurrence: Pelotas, RS

Reference: 91,251

Plate and Size: 34(251),40mm

905 *Chione thalassopora* Maury, 1925

Age: NeoOligocene-EoMiocene

Stratigraphy: Pirabas Formation

Occurrence: Pirabas, PA

Reference: 73,124,148,235,243

Plate and Size: 34(243),20mm

Subgenus *Chione* s.s.

906 *Chione (Chione) cancellata* (Linné, 1967)

Age: NeoOligocene to Recent

Stratigraphy: Pirabas Formation

Occurrence: Parnaíba, PI

Reference: 94,131,392

Plate and Size: 34(131),22mm

Synonymy: *C. subrostrata* (Lamarck, 1818)

907 *Chione (Chione) paraensis* (White, 1887)

Age: NeoOligocene-EoMiocene

Stratigraphy: Pirabas Formation

Occurrence: Pirabas & Salinas, PA; Parnaíba, PI; Turiaçu, MA

Reference: 8,124,131,148,149,150,194,235,243,445

Plate and Size: 34(445),44mm,

Subgenus *Lirophora* Conrad, 1863

908 *Chione (Lirophora) agraria* (White, 1887)

Age: NeoOligocene-EoMiocene

Stratigraphy: Pirabas Formation

Occurrence: Pirabas & Igarapé-Açu, PA;

Parnaíba, PI; São Marcos, MA

Reference: 73,124,131,148,149,194,235,243,445

Plate and Size: 34(243),10mm

909 *Chione (Lirophora) cordeliae* Maury, 1925

Age: NeoOligocene-EoMiocene

Stratigraphy: Pirabas Formation

Occurrence: Pirabas, PA

Reference: 73,124,148,235,243

Plate and Size: 34(243),14mm

910 *Chione (Lirophora) perthesileae* (Maury, 1925)

Age: NeoOligocene-EoMiocene

Stratigraphy: Pirabas Formation

Occurrence: Pirabas, PA

Reference: 73,124,148,235,243

Plate and Size: 34(243),25mm

911 *Chione (Lirophora) praepaphia* (Maury, 1925)

Age: NeoOligocene-EoMiocene

Stratigraphy: Pirabas Formation

Occurrence: Pirabas, PA; Parnaíba, PI

Reference: 73,94,124,131,148,235,243,392

Plate and Size: 34(243),18mm

N.B.: maybe a *C. paphia* (Linné, 1767) synonymy

Genus *Protothaca* Dall, 1902

Subgenus *Leukoma* Romer, 1857

912 *Protothaca (Leukoma) pectorina* (Lamarck, 1818)

Age: Pliocene to Recent

Stratigraphy: Turiaçu Formation

Occurrence: Turiaçu, MA

Reference: 73,150,235,243,492

Plate and Size: 34(243),2mm

Synonymy: *P. praepectorina* (Maury, 1925)

Genus *Mercenaria* Schumacher, 1817 #

913 *Mercenaria prototypa* (Maury, 1925)

Age: NeoOligocene-EoMiocene

Stratigraphy: Pirabas Formation

Occurrence: Pirabas, PA

Reference: 73,124,235,243

Plate and Size: 34(243),60mm

Subfamily PITARINAE

Genus *Pitar* Römer, 1857

Subgenus *Lamellioconcha* Dall, 1902

914 *Pitar (Lamellioconcha) baumanni* Maury, 1925

Age: NeoOligocene-EoMiocene

Stratigraphy: Pirabas Formation

Occurrence: Pirabas, PA

Reference: 73,124,235,243

Plate and Size: 34(243),30mm

915 *Pitar (Lamellioconcha) circinata* (Born, 1778)

Age: NeoOligocene to Recent

Stratigraphy: Pirabas Formation

Occurrence: Pirabas, PA; Turiaçu, MA; Parnaíba, PI

Reference: 73,94,131,134,148,235,243,392,447

Plate and Size: 34(243),31mm

916 *Pitar (Lamellioconcha) diminuta* Ferreira, 1964

Age: NeoOligocene-EoMiocene

Stratigraphy: Pirabas Formation

Occurrence: Parnaíba, PI

Reference: 124,131

Plate and Size: 34(131),13mm

917 *Pitar (Lamellioconcha) euglypta* (Maury, 1925)

Age: NeoOligocene-EoMiocene

Stratigraphy: Pirabas Formation

Occurrence: Pirabas, PA; São Marcos & Turuaçu, MA

Reference: 73,124,139,148,150,243

Plate and Size: 34(243),17mm

918 *Pitar (Lamellioconcha) hartti* (Maury, 1925)

Age: NeoOligocene-EoMiocene

Stratigraphy: Pirabas Formation

Occurrence: Pirabas, PA

Reference: 73,124,148,235,243

Plate and Size: 34(243),34mm

919 *Pitar (Lamellioconcha) obscurata* (White, 1887)

Age: NeoOligocene-EoMiocene

Stratigraphy: Pirabas Formation

Occurrence: Pirabas, PA

Reference: 73,124,194,235,243,249,313,445

Plate and Size: 34(243),31mm

920 *Pitar (Lamellioconcha) perarcana* Maury, 1925

Age: NeoOligocene-EoMiocene

Stratigraphy: Pirabas Formation

Occurrence: Pirabas, PA; Parnaíba, PI; São Marcos, MA

Reference: 73,124,132,148,149,235,243

Plate and Size: 34(243),20mm

921 *Pitar (Lamellioconcha) recondita* (Maury, 1925)

Age: NeoOligocene-EoMiocene

Stratigraphy: Pirabas Formation

Occurrence: Pirabas, PA

Reference: 73,124,148,235,243

Plate and Size: 34(243),15mm

922 *Pitar (Lamellioconcha) vertumni* Maury, 1925

Age: NeoOligocene-EoMiocene

Stratigraphy: Pirabas Formation

Occurrence: Igarapé-Açu & Nova Timboteua, PA

Reference: 73,124,235,243

Plate and Size: 34(243),13mm

Genus *Callista* Poli, 1791

Subgenus *Callista* s.s.

923 *Callista (Callista) maculata* (Linné, 1758)

Age: NeoOligocene to Recent

Stratigraphy: Pirabas Formation

Occurrence: Pirabas, PA

Reference: 73,94,235,243,392,447

Plate and Size: 34(243),42mm

Subgenus *Macrocallista* Meek, 1876

924 *Callista (Macrocallista) mcgrathiana* (Rathbun, 1874)

Age: Paleocene

Stratigraphy: Maria Farinha Formation

Occurrence: Maria Farinha & Paulista, PE

Reference: 124,194,235,348,365,445

Plate and Size: 34(445),23mm

925 *Callista (Macrocallista) pirabica* (Maury, 1925) comb.n.

Age: NeoOligocene-EoMiocene

Stratigraphy: Pirabas Formation

Occurrence: Pirabas, PA

Reference: 73,124,235,243

Plate and Size: 34(243),41mm

Subfamily CLEMENTINIINAE #

Genus *Clementia* Gray, 1842

926 *Clementia dariena* (Conrad, 1856)

Age: NeoOligocene-EoMiocene

Stratigraphy: Pirabas Formation

Occurrence: Pirabas, PA

Reference: 73,134,148,243,447

Plate and Size: 34(243),17mm

Synonymy: *C.brasiliana* Maury, 1925

Subfamily MERETRICINAE

Genus *Tivela* Link, 1807

927 *Tivela sulcata* Campos, 1980

Age: NeoOligocene-EoMiocene

Stratigraphy: Pirabas Formation

Occurrence: Cajueiro & Parnaíba, PI

Reference: 72,73

Plate and Size: 34(72),33mm

Subfamily DOSINIINAE

Genus *Dosinia* Scopoli, 1777

Synonymy: *Dosinidia* Dall, 1902

928 *Dosinia concentrica* (Born, 1778)
Age: NeoOligocene to Recent
Stratigraphy: Pirabas Formation
Occurrence: Pirabas & Salinas, PA; Parnaíba, PI;
Turiaçu, MA
Reference: 8,73,94,124,131,148,149,150,194,235,
243,249,392,445
Plate and Size: 34(243),50mm
Synonymy: *D.brasiliensis* White, 1887

Subfamily CYCLININAE

Genus *Cyprimeria* Conrad, 1864 #

929 *Cyprimeria riograndensis* Maury, 1934
Age: Cretaceous, Albion-Cenomanian
Stratigraphy: Apodi Formation
Occurrence: Macau, RN
Reference: 35,235,247
Plate and Size: 34(247),45mm

Subfamily TAPETINAE

Genus *Legumen* Conrad, 1858

930 *Legumen cf ellipticum* Conrad, 1858
Age: Cretaceous, Campanian-Maastrichtian
Stratigraphy: Gramame Formation
Occurrence: Gramame River, João Pessoa, PB
Reference: 302,303
Plate and Size: 34(302),42mm

Family PETRICOLIDAE

Genus *Petricola* Lamarck, 1801

931 *Petricola posidonis* Maury, 1925
Age: Cretaceous, Albion-Cenomanian
Stratigraphy: Algodões Formation
Occurrence: Algodões, BA
Reference: 54,57,73,235,243
Plate and Size: 34(243),17mm

Doubtful Order: VENEROIDA-HIPPURITOIDA ?

Superfamily CHAMOIDEA

Family CHAMIDAE

Genus *Chama* Linné, 1758

932 *Chama agronomica* Maury, 1925
Age: NeoOligocene-EoMiocene
Stratigraphy: Pirabas Formation
Occurrence: Igarapé-Açu & Nova Timboteua, PA;
São Marcos, MA
Reference: 73,124,149,235,243

Plate and Size: 34(243),20mm

933 *Chama callipona* Maury, 1925
Age: NeoOligocene-EoMiocene
Stratigraphy: Pirabas Formation
Occurrence: Pirabas, PA
Reference: 73,124,148,235,243
Plate and Size: 35(243),30mm

934 *Chama eudeiela* Maury, 1925
Age: NeoOligocene-EoMiocene
Stratigraphy: Pirabas Formation
Occurrence: Pirabas, PA
Reference: 73,124,148,235,243
Plate and Size: 35(243),30mm

935 *Chama pannicularia* White, 1887
Age: NeoOligocene-EoMiocene
Stratigraphy: Pirabas Formation
Occurrence: Pirabas, PA
Reference: 73,124,194,235,243,445
Plate and Size: 35(243),30mm

Genus *Arcinella* Schumacher, 1817

Synonymy: *Echinochama* Fischer, 1887

936 *Arcinella praearcinella* (Maury, 1925)
comb.n.
Age: NeoOligocene-EoMiocene
Stratigraphy: Pirabas Formation
Occurrence: Pirabas, PA
Reference: 73,124,132,148,235,243
Plate and Size: 35(243),20mm
N.B.: species dubiae: 132

937 *Arcinella yaquensis* (Maury, 1917) comb.n.
Age: NeoOligocene-EoMiocene
Stratigraphy: Pirabas Formation
Occurrence: Pirabas & Salinas, PA
Reference: 8,73,132,134,148,235,243
Plate and Size: 35(243),35mm
Synonymy: *A.pristina* (Maury, 1925)

Order MYOIDA

Suborder MYOINA

Superfamily MYOIDEA

Family CORBULIDAE

Subfamily CORBULINAE

Genus *Corbula* Bruguière, 1797

938 *Corbula bahiaensis* Maury, 1925
Age: Cretaceous, Albion-Cenomanian
Stratigraphy: Algodões Formation
Occurrence: Algodões, BA

Reference: 54,57,73,235,243
Plate and Size: 35(243),10mm

939 *Corbula canamaensis* Etheridge, 1879
Age: Pliocene
Stratigraphy: Pebas Formation
Occurrence: Canamá, AM
Reference: 126,127,235,403
Plate and Size: 35(126),15mm
N.B.: species dubiae: 403

940 *Corbula lyoni* Pilsbry, 1897
Age: Miocene to Recent
Stratigraphy: Pelotas Basin
Occurrence: Pelotas, RS
Reference: 91,392
Plate and Size: 35(392),12mm

941 *Corbula lyra* Maury, 1930
Age: Cretaceous, Campanian-Maastrichtian
Stratigraphy: Gramame Formation
Occurrence: Gramame River, João Pessoa, PB
Reference: 73,235,246
Plate and Size: 35(246),4mm

942 *Corbula maroimensis* (White, 1887)
Age: Cretaceous, Albion-Cenomanian
Stratigraphy: Riachuelo Formation
Occurrence: Maruim, SE
Reference: 38,235,248,313,445
Plate and Size: 35(445),29mm

943 *Corbula mossoroensis* Beurlen, 1964
Age: Cretaceous, Turonian-Maastrichtian
Stratigraphy: Jandaira Formation
Occurrence: Mossoró, RN
Reference: 35,40
Plate and Size: 35(35),8mm

944 *Corbula vieta* Guppy, 1866
Age: NeOligocene-EoMiocene
Stratigraphy: Pirabas Formation
Occurrence: Pirabas, PA
Reference: 148
Plate and Size: 35(148),6mm

Subgenus *Caryocorbula* Gardner, 1928

945 *Corbula (Caryocorbula) agricolae* Maury, 1925
Age: NeOligocene-EoMiocene
Stratigraphy: Pirabas Formation
Occurrence: Igarapé-Açu & Nova Timboteua, PA
Reference: 73,124,235,243

Plate and Size: 35(243),12mm

946 *Corbula (Caryocorbula) arrecta* White, 1887
Age: Paleocene
Stratigraphy: Maria Farinha Formation
Occurrence: Maria Farinha & Paulista, PE
Reference: 124,194,235,348,445
Plate and Size: 35(445),11mm

947 *Corbula (Caryocorbula) delgada* Maury, 1925
Age: NeOligocene-EoMiocene
Stratigraphy: Pirabas Formation
Occurrence: Pirabas, PA; Parnaíba, PI
Reference: 73,124,131,148,243
Plate and Size: 35(243),13mm

948 *Corbula (Caryocorbula) giga* Maury, 1925
Age: NeOligocene-EoMiocene
Stratigraphy: Pirabas Formation
Occurrence: Pirabas, PA; Parnaíba, PI
Reference: 73,124,131,148,235,243
Plate and Size: 35(243),14mm

949 *Corbula (Caryocorbula) mimosa* Maury, 1925
Age: NeOligocene-EoMiocene
Stratigraphy: Pirabas Formation
Occurrence: Pirabas, PA
Reference: 73,124,148,238,243
Plate and Size: 35(243),7mm

950 *Corbula (Caryocorbula) pauciornata* Maury, 1925
Age: NeOligocene-EoMiocene
Stratigraphy: Pirabas Formation
Occurrence: Pirabas, PA
Reference: 73,124,235,243
Plate and Size: 35(243),11mm

951 *Corbula (Caryocorbula) querida* Maury, 1925
Age: NeOligocene-EoMiocene
Stratigraphy: Pirabas Formation
Occurrence: Pirabas, PA; Parnaíba, PI; São Marcos, MA
Reference: 73,124,131,136,139,148,149,235,243
Plate and Size: 35(243),7mm

952 *Corbula (Caryocorbula) semenoides* Gardner, 1928
Age: Miocene
Stratigraphy: Pelotas Basin
Occurrence: Pelotas, RS
Reference: 91,162
Plate and Size: 35(162),4mm

953 *Corbula (Caryocorbula) vertumni* Maury, 1925
 Age: NeoOligocene-EoMiocene
 Stratigraphy: Pirabas Formation
 Occurrence: Igarapé-Açu & Nova Timboteua, PA;
 Parnaíba, PI
 Reference: 73,124,131,235,243
 Plate and Size: 35(243),10mm

Subfamily CAESTOCORBULINAE

Genus *Caestocorbula* Vincent, 1910
 Subgenus *Parmicorbula* Vokes, 1944

954 *Caestocorbula (Parmicorbula) assuana*
 Beurlen, 1964 comb.n.
 Age: Cretaceous, Turonian
 Stratigraphy: Açu Formation
 Occurrence: Açu, RN
 Reference: 35,40
 Plate and Size: 35(35),10mm

955 *Caestocorbula (Parmicorbula) chordata*
 (White, 1887)
 Age: Cretaceous (Albian) to EoMiocene
 Stratigraphy: Riachuelo, Maria Farinha & Pirabas
 Formations
 Occurrence: Maruim, SE; Maria Farinha, PE;
 Pirabas, PA
 Reference: 38,194,248,313,445
 Plate and Size: 35(445),13mm

Subfamily PACHYDONTINAE

Genus *Pachydon* Gabb, 1868
 Synonymy: *Anisothyris* Conrad, 1871

956 *Pachydon acreanus* (Maury, 1937)
 Age: Pliocene
 Stratigraphy: Pebas Formation
 Occurrence: Cruzeiro do Sul, AC
 Reference: 73,124,235,250,425
 Plate and Size: 35(250),12mm

957 *Pachydon carinatus* (Conrad, 1874) comb.n.
 Age: Pliocene
 Stratigraphy: Pebas Formation
 Occurrence: Canamá, AM
 Reference: 126,127,235,302,448
 Plate and Size: 35(448),27mm

958 *Pachydon cuneatus* (Conrad, 1874) comb.n.
 Age: Pliocene
 Stratigraphy: Pebas Formation
 Occurrence: Canamá, AM

Reference: 96,235,403,448
 Plate and Size: 35(448),30mm

959 *Pachydon erectus* (Conrad, 1874) comb.n.
 Age: Pliocene
 Stratigraphy: Pebas Formation
 Occurrence: Amazonian Valley, AM
 Reference: 96,235,403,448
 Plate and Size: 35(448),45mm

960 *Pachydon obliquus* Gabb, 1868
 Age: Pliocene
 Stratigraphy: Pebas Formation
 Occurrence: Três Unidos, Javari River, AM
 Reference: 161,235,403,448
 Plate and Size: 35(448),18mm

961 *Pachydon tenuis* Gabb, 1868
 Age: Pliocene
 Stratigraphy: Pebas Formation
 Occurrence: Canamá, AM; Cruz do Sul, AC
 Reference: 126,127,161,235,250,403,423,448
 Plate and Size: 35(448),20mm
 Synonymy: *P. hauxwelli* (Woodward, 1871);
P. ovatus (Conrad, 1874); *P. tonna* auct., err. typogr.
 N.B.: 3 subspecies of *hauxwelli*: *P. h. hauxwelli* s.s.;
P. h. crassus (Woodward, 1871); *P. h. distortus*
 (Woodward, 1871)

962 *Pachydon tumidus* (Etheridge, 1879) comb.n.
 Age: Pliocene
 Stratigraphy: Pebas Formation
 Occurrence: Canamá, AM
 Reference: 126,127,235,403
 Plate and Size: 35(126),15mm

Subclass ANOMALODESMATA

Order PHOLADOMYOIDA
 Superfamily EDMONDIOIDEA
 Family EDMONDIIDAE

Genus *Edmondia* de Koninck, 1841
 Synonymy: *Allorisma* King, 1844

963 *Edmondia acclina* Kegel, 1954
 Age: Carboniferous, Tournasian-Viscan
 Stratigraphy: Poti Formation
 Occurrence: Campo Maior & Poti, PI
 Reference: 73,199
 Plate and Size: 35(199),31mm

964 *Edmondia barringtoni* (Thomas, 1928)
 comb.n.
 Age: Carboniferous, Stefanian-Kungurian
 Stratigraphy: T. Soares & Rio do Sul Formations,

Tubarão Group

Occurrence: Baitaca, PR

Reference: 217,397,422

Plate and Size: 35(397),70mm

965 *Edmondia celebris* Kegel, 1954

Age: Carboniferous, Tournasian-Visean

Stratigraphy: Poti Formation

Occurrence: Terezina, Campo Maior & Poti River, PI

Reference: 73,199

Plate and Size: 35(199),40mm

966 *Edmondia corpulenta* Kegel, 1954

Age: Carboniferous, Tournasian-Visean

Stratigraphy: Poti Formation

Occurrence: Campo Maior, PI

Reference: 73,199

Plate and Size: 35(199),31mm

967 *Edmondia dequechi* Kegel, 1954

Age: Carboniferous, Tournasian-Visean

Stratigraphy: Poti Formation

Occurrence: Campo Maior, PI

Reference: 73,199

Plate and Size: 35(199),35mm

968 *Edmondia index* Kegel, 1954

Age: Carboniferous, Tournasian-Visean

Stratigraphy: Poti Formation

Occurrence: Campo Maior, PI

Reference: 73,199,224

Plate and Size: 35(199),27mm

969 *Edmondia maacki* (Beurlen in Lange, 1954)
nomen nudum

Reference: 217,397

970 *Edmondia obliquata* Kegel, 1954

Age: Carboniferous, Tournasian-Visean

Stratigraphy: Poti Formation

Occurrence: Campo Maior, PI

Reference: 73,199

Plate and Size: 35(199),35mm

971 *Edmondia parinasense* Thomas

Doubtful identification

Reference: 217

972 *Edmondia philipi* Hall & Whitfield, 1870

Age: Devonian, Frasnian-Famnenian

Stratigraphy: Inajá Formation

Occurrence: Petrolândia, PE

Reference: 304

Plate and Size: 36(304),30mm

973 *Edmondia senilis* (Phillips, 1836)

Age: Carboniferous, Westphalian

Stratigraphy: Itaituba Formation

Occurrence: Jatapu River, AM

Reference: 73,122,235,343

Plate and Size: 36(122),26mm

Synonymy: *E.rudis* M'Coy, 1851

974 *Edmondia salamunii* Beurlen, 1954

Age: Permian, Kazanian

Stratigraphy: Serra Alta Formation, Passa Dois Group

Occurrence: Irati, PR

Reference: 22

Plate and Size: 36(22),41mm

975 *Edmondia sylvana* Hartt & Rathbun, 1875

Age: Devonian, Eifelian-Givetian

Stratigraphy: Ererê Formation

Occurrence: Ererê, PA

Reference: 86,172,193,194,231,235,435

Plate and Size: 36(193),18mm

976 *Edmondia terminale* (Hall)

Age: Carboniferous, Westphalian

Stratigraphy: Itaituba, PA

Occurrence: Igarapé, Bom Jardim, PA

Bibliography: 119,194,235,267,418

Plate and Size: 36(418),65mm

Synonymy: *E.subcuneata* (Meek & Worthen)

N.B.: doubtful identification: 267

Genus *Cardiomorpha* de Koninck, 1841

977 *Cardiomorpha* (?) *colossea* Clarke, 1913

Age: Devonian, Eifelian-Frasnian

Stratigraphy: São Domingos Member, Ponta Grossa Formation

Occurrence: Ponta Grossa, PR

Reference: 73,88,100,217,235,300,422

Plate and Size: 36(88),85mm

Superfamily PHOLADOMYOIDEA

Family GRAMMYSIIDAE

Genus *Grammysia* de Verneuil, 1847

978 *Grammysia burmeisteri* Clarke, 1899

Age: Devonian, Emsian

Stratigraphy: Maecuru Formation

Occurrence: Maecuru, PA

Reference: 86,100,122,193,194,231,235,435

Plate and Size: 36(193),70mm

979 *Grammysia gardneri* Clarke, 1895
Age: Devonian, Emsian
Stratigraphy: Maecuru Formation
Occurrence: Maecuru, PA
Reference: 86,192,193,194,231,235,435
Plate and Size: 36(86),25mm

980 *Grammysia lundii* Clarke, 1899
Age: Devonian, Emsian
Stratigraphy: Maecuru Formation
Occurrence: Maecuru, PA
Reference: 86,192,193,194,231,235,435
Plate and Size: 36(193),32mm

981 *Grammysia pissisi* Clarke, 1899
Age: Devonian, Emsian
Stratigraphy: Maecuru Formation
Occurrence: Maecuru, PA
Reference: 86,192,193,194,231,235,435
Plate and Size: 36(193),47mm

982 *Grammysia ulrichi* Clarke, 1899
Age: Devonian, Eifelian-Givetian
Stratigraphy: Ererê Formation
Occurrence: Ererê, PA
Reference: 86,100,192,193,194,231,235,435
Plate and Size: 36(193),15mm

Genus *Grammysioidea* Williams & Breger, 1916

983 *Grammysioidea capricornus* Clarke, 1913
Age: Devonian, Eifelian-Frasnian
Stratigraphy: Ponta Grossa Formation
Occurrence: Ponta Grossa, PR
Reference: 88,100,422
Plate and Size: 36(88),50mm
Synonymy: *G. capricornius* auctt., err. typogr.

984 *Grammysioidea corrugata* (Sharpe, 1856)
Age: Devonian, Eifelian-Frasnian
Stratigraphy: Ponta Grossa Formation
Occurrence: Ponta Grossa, PR
Reference: 88,193,217,235,366,367,368
Plate and Size: 36(88),30mm

985 *Grammysioidea scaphula* Clarke, 1913
Age: Devonian, Eifelian-Frasnian
Stratigraphy: São Domingos & Tibagi Members, Ponta Grossa Formation
Occurrence: Tibagi & Ponta Grossa, PR
Reference: 73,88,100,217,231,235,300,422

Plate and Size: 36(88),30mm

?Genus *Pholadella* Hall, 1869

986 *Pholadella* (?) *jaguariaivensis* Mörsch, 1987
We have no access to this reference: 301

987 *Pholadella paralella* Hall, 1900
Age: Devonian, Eifelian-Givetian
Stratigraphy: Ererê Formation
Occurrence: Ererê, PA
Reference: 86,193,194,231,235,435
Plate and Size: 36(193),21mm

988 *Pholadella radiata* Hall, 1900
Age: Devonian, Eifelian-Frasnian
Stratigraphy: Tibagi & São Domingos Members, Ponta Grossa Formation
Occurrence: Tibagi & Ponta Grossa, PR
Reference: 73,88,100,196,217,235,300,422,435
Plate and Size: 36(196),32mm

Genus *Prothyris* Meek, 1871
Subgenus *Paraprothyris* Clarke, 1913

989 *Prothyris* (*Paraprothyris*) *knodi* Clarke, 1913
Age: Devonian, Eifelian-Frasnian
Stratigraphy: Jaguariaiva & São Domingos Members, Ponta Grossa Formation
Occurrence: Jaguariaiva & Ponta Grossa, PR
Reference: 73,88,217,235,300,422
Plate and Size: 36(422),40mm

Genus *Sanguinolites* McCoy, 1844
Synonymy: *Sphenotus* Hall, 1885

990 *Sanguinolites* (?) cf. *amotapensis* Thomas
Doubtful identification
Reference: 217

991 *Sanguinolites* (?) *arenosus* Beurlen in Lange, 1954
nomen nudum
Reference: 217,397

992 *Sanguinolites baitacensis* Beurlen in Lange, 1954
nomen nudum
Reference: 217,397

993 *Sanguinolites bodenbenderi* (Clarke, 1899)
comb.n.
Age: Devonian, Emsian
Stratigraphy: Maecuru Formation
Occurrence: Maecuru, PA
Reference: 86,100,192,193,194,231,235,435

Plate and Size: 36(193),65mm

994 *Sanguinolites chronichi* Mendes, 1966

Age: Carboniferous, Westphalian

Stratigraphy: Itaituba Formation

Occurrence: Itaituba, PA

Reference: 267,269

Plate and Size: 36(267),30mm

995 *Sanguinolites clarkei* (Katzer) in Magalhães & Mezzalira, 1953

nomen nudum

Reference: 235

996 *Sanguinolites gorceixi* (Clarke, 1899) comb.n.

Age: Devonian, Eifelian-Givetian

Stratigraphy: Ererê Formation

Occurrence: Ererê, PA

Reference: 86,193,194,231,235,435

Plate and Size: 36(193),33mm

997 *Sanguinolites lagoensis* (Clarke, 1913)

Age: Devonian, Eifelian-Frasnian

Stratigraphy: Ponta Grossa Formation

Occurrence: Lago & Ponta Grossa, PR

Reference: 73,88,100,217,235,300,422

Plate and Size: 36(88),40mm

998 *Sanguinolites langei* Beurlen in Lange, 1954

nomen nudum

Reference: 217,397

999 *Sanguinolites pauciplicatus* Beurlen in Lange,

1954 nomen nudum

Reference: 217

1000 *Sanguinolites pernambucensis* Muniz, 1979

Age: Devonian, Frasnian-Fammenian

Stratigraphy: Inajá Formation

Occurrence: Tacaratu, PE

Reference: 224,304

Plate and Size: 36(304),30mm

1001 *Sanguinolites rochacamposi* Muniz, 1979

Age: Devonian, Frasnian-Fammenian

Stratigraphy: Inajá Formation

Occurrence: Tacaratu, PE

Reference: 304

Plate and Size: 36(304),35mm

?Genus *Cimitaria* Hall & Whitfield, 1869

1002 *Cimitaria karsteni* Clarke, 1899

Age: Devonian, Emsian

Stratigraphy: Maecuru Formation

Occurrence: Maecuru, PA

Reference: 86,100,192,193,194,231,235,435

Plate and Size: 36(193),27mm

Family MEGADESMIDAE

Genus *Ferrazia* Reed, 1932

1003 *Ferrazia cardinalis* Reed, 1932

Age: Permian, Kazanian

Stratigraphy: Corumbatai Formation, Passa Dois Group

Occurrence: Rio Claro Region & Angatuba, SP; Terezina, PR

Reference: 73,159,213,217,224,235,257,260,263,264,274,277,278,280,282,283,372,408,420,421

Plate and Size: 36(260),30mm

1004 *Ferrazia simplicicarinata* Mezzalira, 1957

Age: Permian, Kazanian

Stratigraphy: Corumbatai Formation, Passa Dois Group

Occurrence: Rio Claro Region, SP

Reference: 213,236,277,278,280,282,283,420,421

Plate and Size: 36(277),13mm

Genus *Plesiocyprinella* Holdhaus, 1918

1005 *Plesiocyprinella carinata* Holdhaus, 1918

Age: Permian, Kazanian

Stratigraphy: Serra Alta & Corumbatai Formations, Passa Dois Group

Occurrence: Rio Claro Region, SP; Terezina & Irati, PR

Reference: 22,73,176,213,217,224,235,257,258,260,277,280,282,283,359,360,361,372,408,420,421

Plate and Size: 36(260),35mm

Genus *Casterella* Mendes, 1952

1006 *Casterella camargoi* Beurlen, 1954

Age: Permian, Kazanian

Stratigraphy: Serra Alta & Corumbatai Formations, Passa Dois Group

Occurrence: Rio Claro, SP; Serra Alta, PR

Reference: 22,213,236,277,280,282,283,420,421,422

Plate and Size: 36(277),40mm

1007 *Casterella gratiosa* Mendes, 1952

Age: Permian, Kazanian

Stratigraphy: Corumbatai Formation, Passa Dois

Group

Occurrence: Rio Claro Region & Angatuba, SP; Terezinha, PR

Reference: 99,158,159,231,236,360,264,280,282, 283,408,420,421,422

Plate and Size: 36(260),20mm

Genus *Jacquesia* Mendes, 1944

Synonymy: *Favalia* Mendes, 1962

1008 *Jacquesia arcuata* (Mendes, 1962)

Age: Permian, Kazanian

Stratigraphy: Corumbatai Formation

Occurrence: Angatuba, SP

Reference: 159,264,280,282,283,408

Plate and Size: 37(408),20mm

1009 *Jacquesia brasiliensis* (Reed, 1929)

Age: Permian, Kazanian

Stratigraphy: Terezinha & Corumbatai Formations, Passa Dois Group

Occurrence: Rio Claro Region, Tambau & Descalvado, SP; Terezinha & Rio Azul, PR

Reference: 20,73,112,158,213,217,235,254,260, 263,268,274,279,280,283,370,372,373,374,408, 420,421,422

Plate and Size: 37(263),30mm

Synonymy: *J. angusta* (Reed, 1935);

Myophoricardium lineatum: Reed, 1929 non

Worhmann; *J. carinata* Beurlen, 1953; *Myophoria martialis* (Reed, 1929)

Genus *Leptoterraia* Beulen, 1954

1010 *Leptoterraia caudata* Beurlen in Lange, 1954

Nomen nudum

Reference: 217,408

1011 *Leptoterraia emerita* (Reed, 1929)

Age: Permian, Kazanian

Occurrence: Serrinha Formation, Passa Dois Group

Occurrence: Serrinha, PR

Reference: 73,217,235,260,263,296,401,408,420, 422

Plate and Size: 37(296),30mm

Synonymy: *Gonodon astartiformis*: Reed, 1929 non Muster; *Lucina* cf *circularis*: Reed, 1929 non Stopp; *Nuculana* aff *excavata*: Reed, 1929 non

Munster; *Gonodon* aff *mellingi*: Reed, 1929 non Haver; *Gonodon quadrata*: Reed, 1929 non

Parona; *Unicardium* cf *schmidi*: Reed, 1929 non Geinitz; *Pseudocorbula arkosiae*: Reed, 1929 non

Martin, 1865

1012 *Leptoterraia longissima* Beurlen, 1954

Age: Permian, Kazanian

Stratigraphy: Rio do Rasto & Corumbatai Formations, Passa Dois Group

Occurrence: Serrinha & Esperança, PR; Corumbatai, SP

Reference: 73,217,235,296,408

Plate and Size: 37(296),9mm

Synonymy: *Anoplophora munsteri*: Reed, 1929

non Wissm; *Anoplophora recta*: Reed, 1929 non

Gumb; *Anoplophora lettica*: Reed, 1929 non Quenstedt

1013 *Leptoterraia morata* (Reed, 1935)

Age: Permian, Kazanian

Stratigraphy: Rio do Rasto Formation, Passa Dois Group

Occurrence: Esperança & Platina, PR

Reference: 217,235,373,374

Plate and Size: 37(273),10mm

Genus *Holdhausiella* Mendes, 1952

1014 *Holdhausiella almeidai* Mendes, 1952

Age: Permian, Kazanian

Stratigraphy: Corumbatai Formation, Passa Dois Group

Occurrence: Rio Claro Region, SP

Reference: 20,213,260,280,282,283,408,420,421

Plate and Size: 37(280),28mm

1015 *Holdhausiella elongata* (Holdhaus, 1918)

Age: Permian, Kazanian

Stratigraphy: Terezinha & Corumbatai Formations, Passa Dois Group

Occurrence: Rio Claro Region, Angatuba & Descalvado, SP; Terezinha, PR

Reference: 20,22,73,99,158,176,213,217,235,236, 257,260,263,264,277,279,280,282,283,373,374, 408,420,421,422

Plate and Size: 37(263),30mm

Synonymy: *Pleurophorus* cf *elongatus*: Reed, 1935 non Moore, 1861; *H. mendesi* Beurlen, 1953

Genus *Pyramus* Dana, 1847

Synonymy: *Cowperesia* Mendes, 1963

Angatubia Mendes, 1962

1016 *Pyramus anceps* (Reed, 1935)

Age: Permian, Kazanian

Stratigraphy: Corumbatai & Terezinha Formations, Passa Dois Group

Occurrence: Rio Claro Region, Angatuba, Taguai, Tambau & Descalvado, SP; Irati & Teresa Cristina, PR; Canoinhas, SC
 Reference: 20,22,73,106,110,112,158,159,213,217,235,257,260,263,264,268,277,279,280,282,283,373,374,408,420,421
 Plate and Size: 37(263),12mm
 Synonymy: ?*Lucina aegra* Cox, 1934*; *Pseudocorbula* cf *arkosiae*: Reed, 1929 non Mart.; *Pseudocorbula camaquensis* Mendes, 1944; ?*Lucina paranaensis* Reed, 1928; ?*Cowperesia camposi* Mendes, 1962; ?*Pseudocorbula falconeri* Cox, 1934*; *Pseudocorbula subtriangularis* Reed, 1935; *Pseudocorbula triangularis* Mendes, 1944
 N.B: * will be the valid name if confirmed synonymy

1017 *Pyramus cowperesioides* (Mendes, 1962)
 Age: Permian, Kazanian
 Stratigraphy: Corumbatai Formation, Passa Dois Group
 Occurrence: Angatuba & Conchas, SP
 Reference: 158,159,236,264,280,282,283,420,421
 Plate and Size: 37(264),20mm

Genus *Othonella* Mendes, 1963

1018 *Othonella araguaiana* Mendes, 1963
 Age: Permian, Kazanian
 Stratigraphy: Corumbatai Formation, Passa Dois Group
 Occurrence: Araguaia, MT
 Reference: 266,408,420
 Plate and Size: 37(266),30mm

Genus *Relogiicola* Rohn (1986)

1019 *Relogiicola delicata* Rohn in Simões & Fittipaldi, 1987 nomen nudum
 Reference: 401,420

Family PHOLADOMYIDAE

Genus *Pholadomya* Sowerby, 1823

1020 *Pholadomya baixaleitensis* Maury, 1934
 Age: Cretaceous, Turonian-Maastrichtian
 Stratigraphy: Jandaira Formation
 Occurrence: Macau, RN
 Reference: 35,40,235,247
 Plate and Size: 37(247),45mm

1021 *Pholadomya* cf *coloradoensis* Stanton, 1893
 Age: Cretaceous, Turonian
 Stratigraphy: Açú Formation

Occurrence: Mossoró, RN
 Reference: 40,427
 Plate and Size: 37(427),30mm

1022 *Pholadomya marahuana* Maury, 1925
 Age: Cretaceous, Albian-Cenomanian
 Stratigraphy: Algodões Formation
 Occurrence: Marau, BA
 Reference: 54,57,73,235,243
 Plate and Size: 37(243),30mm
 Synonymy: *P. algodoense* Maury, 1925 (nomen nudum)

1023 *Pholadomya parahybensis* Maury, 1930
 Age: Cretaceous, Campanian-Maastrichtian
 Stratigraphy: Gramame Formation
 Occurrence: Gramame River, João Pessoa, PB
 Reference: 73,235,246
 Plate and Size: 37(246),106mm

Genus *Myonia* Dana, 1847

Synonymy: *Maeonia* Dana, 1849

1024 *Myonia* (?) *costata* Rocha Campos, 1970
 Age: Permian, Kungurian
 Stratigraphy: Rio Bonito Formation, Tubarão Group
 Occurrence: Taió, SC
 Reference: 73,398,408
 Plate and Size: 37(398),70mm

1025 *Myonia tayoensis* (Reed, 1930)
 Age: Permian, Kungurian
 Stratigraphy: Rio Bonito Formation, Tubarão Group
 Occurrence: Taió, SC
 Reference: 73,235,371,394,398
 Plate and Size: 37(398),76mm
 Synonymy: *M. cuneata*: Reed, 1930 non Dana, 1849

Genus *Roxoa* Mendes, 1952

1026 *Roxoa corumbataiensis* Mendes, 1952
 Age: Permian, Kazanian
 Stratigraphy: Corumbatai & Serra Alta Formations, Passa Dois Group
 Occurrence: Rio Claro Region, SP; Irati, PR
 Reference: 22,158,213,260,280,282,283,420,421
 Plate and Size: 37(280),25mm

1027 *Roxoa intricans* (Mendes, 1944)
 Age: Permian, Kazanian
 Stratigraphy: Corumbatai Formation, Passa Dois

Group
Occurrence: Corumbatai, SP
Reference: 73,213,235,257,260,280,282,283,408, 421
Plate and Size: 37(280),35mm

Family PLEUROMYIDAE

Genus *Pleuromya* Agassiz, 1842

1028 *Pleuromya bisinuosa* (White, 1887)
Age: Cretaceous, Albion-Cenomanian
Stratigraphy: Riachuelo Formation
Occurrence: Maruim, SE
Reference: 38,235,349,313,445
Plate and Size: 37(445),55mm

1029 *Pleuromya mactroides* Schlotheim
doubtful identification
Reference: 235,257
Plate and Size: 37(257),30mm

1030 *Pleuromya refugium* (White, 1887)
Age: Cretaceous, Albion-Cenomanian
Stratigraphy: Riachuelo Formation
Occurrence: Maruim, SE
Reference: 38,235,249,445
Plate and Size: 37(445),72mm

Superfamily PANDOROIDEA

Family LATERNULIDAE

Genus *Laternula* Röding, 1798

1031 *Laternula linistriata* Beurlen, 1964
Age: Cretaceous, Turonian
Stratigraphy: Açú Formation
Occurrence: Açú, RN
Reference: 35,40
Plate and Size: 37(35),19mm

Superfamily POROMYOIDEA

Family POROMYIDAE

Genus *Liopistha* Meek, 1864

1032 *Liopistha aff incurvata* (Riedel)
Age: Cretaceous, Turonian
Stratigraphy: Cotinguiba Formation
Occurrence: Laranjeiras, SE
Reference: 13,27

1033 *Liopistha sergipensis* White, 1887
Age: Cretaceous, Albion-Cenomanian

Stratigraphy: Riachuelo Formation
Occurrence: Maruim, SE
Reference: 38,235,249,313,445
Plate and Size: 37(445),27mm

Subgenus *Psilomya* White, 1874

1034 *Liopistha (Psilomya) aracatiensis* Beurlen, 1964

Age: Cretaceous, Turonian
Stratigraphy: Açú Formation
Occurrence: Aracati, SE
Reference: 35,40
Plate and Size: 37(35),80mm

1035 *Liopistha (Psilomya) ligeriensis* (Orbigny, 1845)

Age: Cretaceous, Turonian
Stratigraphy: Cotinguiba Formation
Occurrence: Japarutuba & Laranjeiras, SE
Bibliography: 7,13
Plate and Size: 27(7),24mm

1036 *Liopistha (Psilomya) profunda* (White, 1887)

Age: Cretaceous, Albion-Cenomanian
Stratigraphy: Riachuelo Formation
Occurrence: Maruim, SE
Reference: 38,235,249,313,445
Plate and Size: 37(445),35mm

1037 *Liopistha (Psilomya) supermensa* (White, 1887)

Age: Cretaceous, Albion-Cenomanian
Stratigraphy: Riachuelo Formation
Occurrence: Maruim, SE
Reference: 13,235,249,445
Plate and Size: 37(445),75mm

Family CUSPIDARIIDAE

Genus *Cuspidaria* Nardo, 1840

1038 *Cuspidaria scolopaciceps* (White, 1887)

Age: Paleocene
Stratigraphy: Maria Farinha Formation
Occurrence: Maria Farinha & Paulista, PE
Reference: 124,235,348,445
Plate and Size: 37(445),12mm

Superfamily CLAVAGELLOIDEA

Family CLAVAGELLIDAE

Genus *Clavagella* Lamarck, 1818

1039 *Clavagella* cf *echinata* Lamarck, 1818
Age: NeoOligocene-EoMiocene
Stratigraphy: Pirabas Formation
Occurrence: Pirabas, PA
Reference: 148
Plate and Size: 37(148),65mm

BIVALVIA INCERTAE SEDIS

Genus *Rioclaroa* Mezzalira, 1957

1040 *Rioclaroa lefevrei* Mezzalira, 1957
Age: Permian, Kazanian
Stratigraphy: Corumbatai Formation, Passa Dois Group
Occurrence: Rio Claro, SP
Reference: 22,213,236,277,280,282,283,408,420,421
Plate and Size: 38(277),20mm

Genus *Mendesia* Maranhão (1986)

1041 *Mendesia piracicabensis* Maranhão in Simões & Fittipaldi, 1987 nomen nudum
Reference: 236,420,421

Genus *Guiratingia* Petri & Fulfaro, 1966

1042 *Guiratingia mendesi* Petri & Fulfaro, 1966
Age: Permian
Stratigraphy: Aquidauana Formation, Tubarão Group
Occurrence: Taboca, MT
Reference: 353,354,421
Plate and Size: 37(353),7mm

Other NOMEN NUDUM out of the list

1043 *alternatus*, *Prosopecten*, Beurlen in Lange, 1954
Reference: 217,397
1044 *densicostatus*, *Prosopecten*, Beurlen in Lange, 1954
Reference: 217,397
1045 *densiplicata*, *Chaenomya*, Beurlen in Lange, 1954
Reference: 217,397
1046 *elegans*, *Prosopecten*, Beurlen in Lange, 1954
Reference: 217,397
1047 *paranaensis*, *Solenomorpha*, Beurlen in Lange, 1954
Reference: 217
1048 *prolata*, *Thraciomorpha*, Beurlen in Lange,

1954
Reference: 217
1049 *radiatus*, *Prosopecten*, Beurlen in Lange, 1954
Reference: 217,397
1050 *rhomboidalis*, *Prosopecten*, Beurlen in Lange, 1954
Reference: 217,397

2.3 Class SCAPHOPODA

Order DENTALIIDA

Family DENTALIIDAE

Genus *Dentalium* Linné, 1758

1051 *Dentalium mauryae* Penna-Neme & Muniz, 1976
Age: Paleocene
Stratigraphy: Maria Farinha Formation
Occurrence: Algodões, PE
Reference: 349
Plate and Size: 38(349),25mm
1052 "*Dentalium*" *florencei* Rego, 1936
N.B: a fish *Hybopus* spine
Reference: 235,274,280,283,294,363

1053 *Dentalium paulini* Maury, 1925
Age: NeoOligocene-EoMiocene
Stratigraphy: Pirabas Formation
Occurrence: Igarapé-Açu & Nova Timboteua, PA; Parnaíba, PI; Turiaçu, MA
Reference: 73,131,146,150,235,243
Plate and Size: 38(146),20mm

2.4 ?Class CALYPTOPTOMATIDA

Order HYOLITHIDA

Superfamily HYOLITHOIDEA

Family HYOLITHIDAE

Genus *Hyolites* Eichwald, 1840

1054 *Hyolites subaequalis* (Salter, 1856)
Age: Devonian, Eifelian-Frasnian
Stratigraphy: Tibagi Member, Ponta Grossa Formation
Occurrence: Tibagi, PR
Reference: 73,88,217,366,367
Plate and Size: 38(88),30mm

2.5 Class CEPHALOPODA

Subclass NAUTILOIDEA

Order ORTHOCERIDA

Superfamily ORTHOCERATOIDEA

Family ORTHOCERATIDAE

Subfamily MICHELINOCERATINAE

Genus *Michelinoceras* Foerste, 1932

1055 *Michelinoceras gamkaensis* (Reed, 1904)

Age: Devonian, Eifelian-Frasnian

Stratigraphy: Ponta Grossa Formation

Occurrence: Ponta Grossa, PR

Reference: 73,88,217,235,315,366

Plate and Size: 38(88),80mm

Subfamily KIONOCERATINAE

Genus *Kionoceras* Hyatt, 1884

1056 *Kionoceras zoilus* Clarke, 1913

Age: Devonian, Eifelian-Frasnian

Stratigraphy: Ponta Grossa Formation

Occurrence: Ponta Grossa, PR

Reference: 73,88,217,235,315

Plate and Size: 38(88),80mm

Order NAUTILIDA

Superfamily NAUTILOIDEA

Family ATURIIDAE

Genus *Aturia* Bronn, 1838

1057 *Aturia ackermanni* Oliveira, 1958

Age: NeoOligocene-EoMiocene

Stratigraphy: Pirabas Formation

Occurrence: Capanema, PA

Reference: 328

Plate and Size: 38(328),74mm

Family HERCOGLOSSIDAE

Genus *Hercoglossa* Conrad, 1866

1058 *Hercoglossa lamegoi* Oliveira, 1953

Age: Paleocene

Stratigraphy: Maria Farinha Formation

Occurrence: Algodões, PE

Reference: 324

Plate and Size: 38(324),112mm

Genus *Cimonia* Conrad, 1866

1059 *Cimonia pernambucense* (Maury, 1930)

Age: Paleocene

Stratigraphy: Maria Farinha Formation

Occurrence: Maria Farinha & Olinda, PE

Reference: 224,235,246,324,445

Plate and Size: 39(324),75mm

Synonymy: *Eutrephoceras sowerbyanus*: White, 1887 non Orbigny

Subclass AMMONOIDEA

Order CERATITINA

Superfamily CERATITOIDEA

Family CERATITIDAE

Genus *Ceratites* de Haan, 1825

1060 *Ceratites pierdenalis* von Buch, 1848

Age: Cretaceous, Albion-Cenomanian

Stratigraphy: Riachuelo Formation

Occurrence: Maruim, SE

Reference: 13,178,235

Order LYTOCERATINA

Superfamily LYTOCERATOIDEA

Family TETRAGONITIDAE

Subfamily TETRAGONITINAE

Genus *Pseudophyllites* Kossmat, 1895

1061 *Pseudophyllites amphitrites* Maury, 1930

Age: Cretaceous, Campanian-Maastrichtian

Stratigraphy: Gramame Formation

Occurrence: Gramame River, João Pessoa, PB

Reference: 73,235,246

Plate and Size: 39(246),213mm

1062 *Pseudophyllites nereidideditus* Maury, 1930

Age: Cretaceous, Campanian-Maastrichtian

Stratigraphy: Gramame Formation

Occurrence: Gramame River, João Pessoa, PB

Reference: 73,235,246

Plate and Size: 39(246),230mm

Subfamily GAUDRYCERATINAE

Genus *Anagaudryceras* Shimizu, 1934

1063 *Anagaudryceras buddha* (Forbes)

Age: Cretaceous, Cenomanian-Coniacian

Stratigraphy: Cotinguiba Formation

Occurrence: Laranjeiras-Socorro, SE

Reference: 13

Superfamily TURRILITOIDEA

Family HAMITIDAE

Genus *Hamites* Parkinson, 1811

Subgenus *Hamitella* Breistroffer, 1947
Synonymy: *Helicoceras* Orbigny, 1842

1064 *Hamites (Hamitella) hystriculum* (White, 1886)
Age: Cretaceous, Albian-Cenomanian
Stratigraphy: Riachuelo Formation
Occurrence: Maruim, SE
Reference 178,235,246,313,445
Plate and Size: 39(445),43mm

Family BACULITIDAE

Genus *Baculites* Lamarck, 1799

1065 *Baculites kegei* Oliveira, 1957
Age: Cretaceous, Campanian-Maastrichtian
Stratigraphy: Gramame Formation
Occurrence: Olinda, PE
Reference: 327,330
Plate and Size: 39(327),34mm

Family NOSTOCERATIDAE

Genus *Bostrychoceras* Hyatt, 1900

1066 *Bostrychoceras indicum* (Stoliczka, 1863)
Age: Cretaceous, Coniacian
Stratigraphy: Cotinguiba Formation
Occurrence: Laranjeiras-N.S.Socorro, SE
Reference: 13,210
Plate and Size: 39(210),55mm

Family DIPLOMOCERATIDAE

Genus *Glyptoxoceras* Spath, 1925

1067 *Glyptoxoceras brasiliense* Maury, 1930
Age: Cretaceous, Campanian-Maastrichtian
Stratigraphy: Gramame Formation
Occurrence: Gramame River, João Pessoa, PB
Reference: 73,235,246
Plate and Size: 39(246),75mm

1068 *Glyptoxoceras parahybense* Maury, 1930
Age: Cretaceous, Campanian-Maastrichtian
Stratigraphy: Gramame Formation
Occurrence: Gramame River, João Pessoa, PB
Reference: 73,235,246
Plate and Size: 39(246),195mm
Synonymy: *G.pare* auctt., err.typogr.

Superfamily SCAPHITOIDEA
Family SCAPHITIDAE

Subfamily SCAPHITINAE

Genus *Scaphites* Parkinson, 1811

1069 *Scaphites reesidei* Wade, 1926
Age: Cretaceous, EoTuronian
Stratigraphy: Cotinguiba Formation
Occurrence: Laranjeiras, SE
Reference: 13,235,443
Plate and Size: 39(443),60mm

Order AMMONITINA

Superfamily DESMOCERATOIDEA

Family DESMOCERATIDAE

Subfamily PUZOSIINAE

Genus *Puzosia* Bayle, 1878

1070 *Puzosia bistricta* (White, 1887)
Age: Cretaceous, Albian-Cenomanian
Stratigraphy: Riachuelo Formation
Occurrence: Maruim, SE
Reference: 98,235,246,249,313,445
Plate and Size: 39(445),53mm

1071 *Puzosia garajuna* Maury, 1930
Age: Cretaceous, Albian-Cenomanian
Stratigraphy: Riachuelo Formation
Occurrence: Maruim, SE
Reference: 16,17,67,98,235,246,249,313,445
Plate and Size: 40(445),136mm
Synonymy: *Ammonites hopkinsi*: White, 1887 non Forbes, 1844

1072 *Puzosia rosarica* Maury, 1937
Age: Cretaceous, Albian-Cenomanian
Stratigraphy: Riachuelo Formation
Occurrence: Rosário, SE
Reference: 16,17,98,235,249,313
Plate and Size: 39(249+17),16mm

Subgenus *Anapuzosia* Matsumoto, 1954

1073 *Puzosia (Anapuzosia) brasiliana* Maury, 1937
Age: Cretaceous, Albian-Cenomanian
Stratigraphy: Riachuelo Formation
Occurrence: Maruim, SE
Reference: 13,16,17,235,246,249,313,445
Plate and Size: 40(249+17),60mm
Synonymy: *P.planulatus*: White, 1887 non Sowerby

Subfamily DESMOCERATINAE

Genus *Damesites* Matsumoto, 1942

1074 *Damesites petrobasia* G.Beurlen, 1969

Age: Cretaceous, Coniacian

Stratigraphy: Cotinguiba Formation

Occurrence: Ouiçamã, SE

Reference: 13,18

Plate and Size: 40(18),48mm

Subfamily HAUERICERATINAE

Genus *Hauericeras* deGrossouvre, 1894

1075 *Hauericeras antiquum* Collignon

Age: Cretaceous, Coniacian

Stratigraphy: Cotinguiba Formation

Occurrence: Laranjeiras-N.S.Socorro, SE

Reference: 13

Family PACHYDISCIDAE

Genus *Canadoceras* Spath, 1922

1076 *Canadoceras andromeda* Maury, 1930

Age: Cretaceous, Campanian-Maastrichtian

Stratigraphy: Gramame Formation

Occurrence: Gramame River, João Pessoa, PB

Reference: 73,235,246

Plate and Size: 40(246),82mm

1077 *Canadoceras riogramamense* Maury, 1930

Age: Cretaceous, Campanian-Maastrichtian

Stratigraphy: Gramame Formation

Occurrence: Gramame River, João Pessoa, PB

Reference: 73,235,246

Plate and Size: 40(246),153mm

Genus *Pachydiscus* Zittel, 1884

Synonymy: *Parapachydiscus* Hyatt, 1900

1078 *Pachydiscus albuquerquei* (Maury, 1930)

Age: Cretaceous, Campanian-Maastrichtian

Stratigraphy: Gramame Formation

Occurrence: Gramame River, João Pessoa, PB

Reference: 73,235,246,364

Plate and Size: 40(246),235mm

1079 *Pachydiscus arionis* (Maury, 1930)

Age: Cretaceous, Campanian-Maastrichtian

Stratigraphy: Gramame Formation

Occurrence: Gramame River, João Pessoa, PB

Reference: 73,235,246,364

Plate and Size: 40(246),250mm

1080 *Pachydiscus athena* (Maury, 1930)

Age: Cretaceous, Campanian-Maastrichtian

Stratigraphy: Gramame Formation

Occurrence: Gramame River, João Pessoa, PB

Reference: 73,235,246,364

Plate and Size: 41(246),225mm

1081 *Pachydiscus brasiliensis* (Maury, 1930)

Age: Cretaceous, Campanian-Maastrichtian

Stratigraphy: Gramame Formation

Occurrence: Gramame River, João Pessoa, PB

Reference: 73,235,246,364

Plate and Size: 41(246),370mm

1082 *Pachydiscus bruneti* (Maury, 1930)

Age: Cretaceous, Campanian-Maastrichtian

Stratigraphy: Gramame Formation

Occurrence: Gramame River, João Pessoa, PB

Reference: 73,235,246,364

Plate and Size: 40(246),62mm

1083 *Pachydiscus dossantosi* (Maury, 1930)

Age: Cretaceous, Campanian-Maastrichtian

Stratigraphy: Gramame Formation

Occurrence: Gramame River, João Pessoa, PB

Reference: 73,224,235,246,364

Plate and Size: 40(246),200mm

1084 *Pachydiscus endymion* (Maury, 1930)

Age: Cretaceous, Campanian-Maastrichtian

Stratigraphy: Gramame Formation

Occurrence: Gramame River, João Pessoa, PB

Reference: 73,235,246,364

Plate and Size: 41(246),300mm

1085 *Pachydiscus eurydice* (Maury, 1930)

Age: Cretaceous, Campanian-Maastrichtian

Stratigraphy: Gramame Formation

Occurrence: Gramame River, João Pessoa, PB

Reference: 73,235,246,364

Plate and Size: 41(246),117mm

1086 *Pachydiscus euzebioi* (Maury, 1930)

Age: Cretaceous, Campanian-Maastrichtian

Stratigraphy: Gramame Formation

Occurrence: Gramame River, João Pessoa, PB

Reference: 73,235,246,364

Plate and Size: 41(246),26mm

1087 *Pachydiscus gettyi* (Maury, 1930)

Age: Cretaceous, Campanian-Maastrichtian

Stratigraphy: Gramame Formation

Occurrence: Gramame River, João Pessoa, PB

Reference: 73,235,246,364

Plate and Size: 42(246),110mm

1088 *Pachydiscus hera* (Maury, 1930)

Age: Cretaceous, Campanian-Maastrichtian

Stratigraphy: Gramame Formation

Occurrence: Gramame River, João Pessoa, PB

Reference: 73,235,246,364

Plate and Size: 42(246),265mm

1089 *Pachydiscus hermes* (Maury, 1930)

Age: Cretaceous, Campanian-Maastrichtian

Stratigraphy: Gramame Formation

Occurrence: Gramame River, João Pessoa, PB

Reference: 73,235,246,364

Plate and Size: 42(246),17mm

1090 *Pachydiscus oceanus* (Maury, 1930)

Age: Cretaceous, Campanian-Maastrichtian

Stratigraphy: Gramame Formation

Occurrence: Gramame River, João Pessoa, PB

Reference: 73,235,246,364

Plate and Size: 42(246),275mm

1091 *Pachydiscus orpheus* (Maury, 1930)

Age: Cretaceous, Campanian-Maastrichtian

Stratigraphy: Gramame Formation

Occurrence: Gramame River, João Pessoa, PB

Reference: 73,235,246,364

Plate and Size: 42(246),130mm

1092 *Pachydiscus parahybensis* (Maury, 1930)

Age: Cretaceous, Campanian-Maastrichtian

Stratigraphy: Gramame Formation

Occurrence: Gramame River, João Pessoa, PB

Reference: 73,235,246,364

Plate and Size: 42(246),150mm

1093 *Pachydiscus perseus* (Maury, 1930)

Age: Cretaceous, Campanian-Maastrichtian

Stratigraphy: Gramame Formation

Occurrence: Gramame River, João Pessoa, PB

Reference: 73,235,246,364

Plate and Size: 42(246),225mm

1094 *Pachydiscus poseidon* (Maury, 1930)

Age: Cretaceous, Campanian-Maastrichtian

Stratigraphy: Gramame Formation

Occurrence: Gramame River, João Pessoa, PB

Reference: 73,235,246,364

Plate and Size: 43(246),155mm

1095 *Pachydiscus psyche* (Maury, 1930)

Age: Cretaceous, Campanian-Maastrichtian

Stratigraphy: Gramame Formation

Occurrence: Gramame River, João Pessoa, PB

Reference: 73,235,246,364

Plate and Size: 43(246),210mm

1096 *Pachydiscus reedsi* (Maury, 1930)

Age: Cretaceous, Campanian-Maastrichtian

Stratigraphy: Gramame Formation

Occurrence: Gramame River, João Pessoa, PB

Reference: 73,235,246,364

Plate and Size: 43(246),177mm

1097 *Pachydiscus sumneri* (Maury, 1930)

Age: Cretaceous, Campanian-Maastrichtian

Stratigraphy: Gramame Formation

Occurrence: Gramame River, João Pessoa, PB

Reference: 73,235,246,364

Plate and Size: 43(246),87mm

1098 *Pachydiscus williamsoni* (Maury, 1930)

Age: Cretaceous, Campanian-Maastrichtian

Stratigraphy: Gramame Formation

Occurrence: Gramame River, João

Pessoa, PB Reference: 73,235,246,364

Plate and Size: 43(246),107mm

Superfamily HOPLITOIDEA

Family DOUVILLEICERATIDAE

Subfamily DOUVILLEICERATINAE

Genus *Douvilleiceras* de Grossouvre, 1894

1099 *Douvilleiceras euzebioi* (Maury, 1937)

Age: Cretaceous, Albian-Cenomanian

Stratigraphy: Riachuelo Formation

Occurrence: Riachuelo, SE

Reference: 16,17,63,73,235,313

Plate and Size: 43(17),180mm

1100 *Douvilleiceras offarcinatum* (White, 1887)

Age: Cretaceous, Albian-Cenomanian

Stratigraphy: Riachuelo Formation

Occurrence: Bom Jardim, Pacatuba & Maruim, SE

Reference: 67,73,235,246,249,313,445,456

Plate and Size: 44(445),77mm

1101 *Douvilleiceras sergipensis* Beurlen, 1968

Age: Cretaceous, Albian-Cenomanian

Stratigraphy: Riachuelo Formation

Occurrence: Maruim, SE

Reference: 16,17

Plate and Size: 44(16),103mm

Family ENGONOCERATIDAE

Genus *Metengonoceras* Hyatt, 1903

1102 *Metengonoceras oliveirai* Brito, 1967
Age: Cretaceous, Albion-Cenomanian
Stratigraphy: Riachuelo Formation
Occurrence: Rio Fundo, SE
Reference: 13,56,73
Plate and Size: 44(56),74mm

Family HOPLITIDAE
Subfamily HOPLITINAE

Genus *Euhoplites* Spath, 1925

1103 *Euhoplites reesidei* Maury, 1937
Age: Cretaceous, Cenomanian-Coniacian
Stratigraphy: Cotinguiba Formation
Occurrence: Sanhara, SE
Reference: 13,235,249,313
Plate and Size: 44(249),26mm
N.B.: *Mitonia*: 13

Genus *Anahoplites* Hyatt, 1900

1104 *Anahoplites williamsi* Maury, 1937
Age: Cretaceous, Cenomanian-Coniacian
Stratigraphy: Cotinguiba Formation
Occurrence: Sanhara, SE
Reference: 13,235,249,313
Plate and Size: 44(249),40mm

Family FORBESICERATIDAE

Genus *Forbesiceras* Kossmat, 1897

1105 *Forbesiceras brundrettei* (Young, 1958)
Age: Cretaceous, Cenomanian
Stratigraphy: Cotinguiba Formation
Occurrence: Itaporanga & Japarutuba, SE
Reference: 13,450
Plate and Size: 44(450),63mm

Superfamily ACANTHOCERATOIDEA
Family BRANCOCERATIDAE
Subfamily MOJSISOVICZIINAE

Genus *Oxytropidoceras* Stieler, 1920

1106 *Oxytropidoceras aroeirum* Maury, 1937
Age: Cretaceous, Albion-Cenomanian
Stratigraphy: Riachuelo Formation
Occurrence: Maruim & Aroeira, SE
Reference: 73,235,249,313
Plate and Size: 44(249),36mm

1107 *Oxytropidoceras buarquianum* (White, 1887)
Age: Cretaceous, Albion-Cenomanian

Stratigraphy: Riachuelo Formation
Occurrence: Maruim & Aroeira, SE
Reference: 16,17,19,63,67,73,98,224,235,246,
249,316,445
Plate and Size: 44(249),250mm

1108 *Oxytropidoceras howei* Maury, 1937
Age: Cretaceous, Albion-Cenomanian
Stratigraphy: Riachuelo Formation
Occurrence: Riachuelo, SE
Reference: 73,235,249,313
Plate and Size: 44(249),24mm

1109 *Oxytropidoceras sergipensis* (White, 1887)
Age: Cretaceous, Albion to Coniacian
Stratigraphy: Cotinguiba & Riachuelo Formations
Occurrence: Laranjeiras & Maruim, SE
Reference: 16,17,59,63,98,235,246,249,313,445
Plate and Size: 44(445),95mm

Subgenus *Androiavites* Collignon, 1936

1110 *Oxytropidoceras (Androiavites) mauryae*
Beurlen, 1952
Age: Cretaceous, Albion-Cenomanian
Stratigraphy: Riachuelo Formation
Occurrence: Maruim, SE
Reference: 16,17,19,59,73,98
Plate and Size: 44(19+17),65mm

Subgenus *Manuaniceras* Spath, 1925

1111 *Oxytropidoceras (Manuaniceras) involutum*
Beurlen, 1952
Age: Cretaceous, Albion-Cenomanian
Stratigraphy: Riachuelo Formation
Occurrence: Maruim & Rosário, SE
Reference: 16,17,19,59,73,98
Plate and Size: 44(19+17),140mm

Subfamily MORTONICERATINAE

Genus *Mortoniceras* Meek, 1876
Synonymy: *Pervinquieria* Böhm, 1910

1112 *Mortoniceras aroeiria* (Maury, 1937)
comb.n.
Age: Cretaceous, Albion-Cenomanian
Stratigraphy: Riachuelo Formation
Occurrence: Maruim, SE
Reference: 235,249,313
Plate and Size: 44(249),77mm

1113 *Mortoniceras lastroensis* (Maury, 1937)

comb.n.

Age: Cretaceous, Albian-Cenomanian

Stratigraphy: Riachuelo Formation

Occurrence: Maruim, SE

Reference: 235,249

Plate and Size: 45(249),65mm

1114 *Mortoniceras maroimensis* (White, 1887)

comb.n.

Age: Cretaceous, Albian-Cenomanian

Stratigraphy: Riachuelo Formation

Occurrence: Maruim, SE

Reference: 235,246,249,313,445

Plate and Size: 45(445),135mm

1115 *Mortoniceras marrecasia* (Maury, 1937)

comb.n.

Age: Cretaceous, Albian-Cenomanian

Stratigraphy: Riachuelo Formation

Occurrence: Rosário, SE

Reference: 235,249

Plate and Size: 45(249),18mm

Genus *Neokentroceras* Spath, 1921

1116 *Neokentroceras tectoria* (White, 1887)

Age: Cretaceous, Albian-Cenomanian

Stratigraphy: Riachuelo Formation

Occurrence: Maruim, SE

Reference: 16,17,235,246,249,313,445

Plate and Size: 45(445),24mm

Genus *Elobiceras* Spath, 1922

1117 *Elobiceras bahiaense* (Maury, 1925)

Age: Cretaceous, Albian-Cenomanian

Stratigraphy: Algodões Formation

Occurrence: Marau, BA

Reference: 54,57,73,235,246

Plate and Size: 45(54),62mm

N.B.: *Schloenbachia* Neumayr, 1875?: 73

1118 *Elobiceras brasiliensis* Brito, 1970

Age: Cretaceous, Albian-Cenomanian

Stratigraphy: Riachuelo Formation

Occurrence: Maruim & Pedra Branca, SE

Reference: 59,63

Plate and Size: 45(63),40mm

Family LYELLICERATIDAE

Genus *Stoliczkaia* Neumayr, 1875

1119 *Stoliczkaia africana* Pervinquière, 1931

Age: Cretaceous, Cenomanian

Stratigraphy: Cotinguiba Formation

Occurrence: Itaporanga, SE

Reference: 13,378

Plate and Size: 45(378),45mm

Family ACANTHOCERATIDAE

Subfamily MANTELLICERATINAE

Genus *Eucalycoceras* Spath, 1923

1120 *Eucalycoceras pentagonum* (Jukes-Browne, 1896)

Age: Cretaceous, Cenomanian

Stratigraphy: Cotinguiba Formation

Occurrence: Jardim, SE

Reference: 13,287,457

Plate and Size: 45(287),104mm

Genus *Sharpeiceras* Hyatt, 1903

1121 *Sharpeiceras florencae* Spath, 1925

Age: Cretaceous, Cenomanian

Stratigraphy: Cotinguiba Formation

Occurrence: Itaporanga & Japarutuba, SE

Reference: 13,177

Plate and Size: 45(177),207mm

1122 *Sharpeiceras laticlavus* (Sharpe, 1855)

Age: Cretaceous, Cenomanian

Stratigraphy: Cotinguiba Formation

Occurrence: Itaporanga & Japarutuba, SE

Reference: 13,287

Plate and Size: 45(287),130mm

1123 *Sharpeiceras cf vohipalense* Collignon

Age: Cretaceous, Cenomanian

Stratigraphy: Cotinguiba Formation

Occurrence: Itaperoa, SE

Reference: 12,73

Plate and Size: 46(12),140mm

Genus *Pseudocalycoceras* Thomel, 1969

1124 *Pseudocalycoceras cf harpax* (Stoliczka, 1864)

Age: Cretaceous, Cenomanian

Stratigraphy: Cotinguiba Formation

Occurrence: Tapera, AL

Reference: 14

Plate and Size: 45(14),33mm

Genus *Acompsoceras* Hyatt, 1903

1125 *Acompsoceras renevieri* (Sharpe, 1857)

Age: Cretaceous, Cenomanian
Stratigraphy: Cotinguiba Formation
Occurrence: Cruzes, SE
Reference: 12,13,457
Plate and Size: 45(12),100mm

1126 *Acompsoceras spathi* Basse
Age: Cretaceous, Cenomanian
Stratigraphy: Cotinguiba Formation
Occurrence: Itaporanga & Japarutuba, SE
Reference: 13

Subfamily ACANTHOCERATINAE

Genus *Acanthoceras* Neumayr, 1875

1127 *Acanthoceras folleatum* (White, 1887)
Age: Cretaceous, Albian-Cenomanian
Stratigraphy: Riachuelo Formation
Occurrence: Maruim, SE
Reference: 235,246,249,313,445
Plate and Size: 46(445),122mm

1128 *Acanthoceras* aff. *jukesbrownei* (Spath)
Age: Cretaceous, Cenomanian
Stratigraphy: Cotinguiba Formation
Occurrence: Itaporanga & Japarutuba, SE
Reference: 13

1129 *Acanthoceras* cf. *quadratum* Crick, 1907
Age: Cretaceous, Turonian
Stratigraphy: Cotinguiba Formation
Occurrence: Japarutuba & Laranjeiras, SE
Reference: 13,61,380,402,
Plate and Size: 51(380),83mm

Genus *Kanabicerias* Reeside & Weymouth, 1931

1130 *Kanabicerias septemseriatum* (Cragin, 1893)
Age: Cretaceous, Cenomanian
Stratigraphy: Cotinguiba Formation
Occurrence: Cruzes, SE
Reference: 12,13,287,386
Plate and Size: 45(287),86mm

Genus *Romaniceras* Spath, 1923

1131 *Romaniceras deverianus* (Orbigny, 1841)
Age: Cretaceous, Turonian
Stratigraphy: Cotinguiba Formation
Occurrence: Japarutuba & Laranjeiras, SE
Reference: 13,287,378
Plate and Size: 45(287),115mm

Genus *Euomphaloceras* Spath, 1923

1132 *Euomphaloceras cunningtoni meridionale*
(Stoloczka, 1864)
Age: Cretaceous, Cenomanian
Stratigraphy: Cotinguiba Formation
Occurrence: Itaporanga & Japarutuba, SE
Reference: 13,177,451
Plate and Size: 46(177),140mm

Subfamily MAMMITINAE

Genus *Mammites* Laube & Bruber, 1886

1133 *Mammites chouberti* Collignon
Age: Cretaceous, Turonian
Stratigraphy: Cotinguiba Formation
Occurrence: Japarutuba & Laranjeiras, SE
Reference: 13,384

1134 *Mammites dixeyi* Reymont, 1955
Age: Cretaceous, Cenomanian
Stratigraphy: Cotinguiba Formation
Occurrence: Itaporanga & Japarutuba, SE
Reference: 13,378
Plate and Size: 46(378),45mm

1135 *Mammites jacobii* Beurlen, 1964
Age: Cretaceous, Turonian
Stratigraphy: Cotinguiba Formation
Occurrence: Aracati, SE
Reference: 35
Plate and Size: 46(35),85mm

1136 *Mammites nodosoides* (Schlotheim, 1829)
Age: Cretaceous, Turonian
Stratigraphy: Cotinguiba Formation
Occurrence: Rita Cacete, SE
Reference: 13,18,287
Plate and Size: 46(18),47mm
Synonymy: *M. beurleni* G. Beurlen, 1969

1137 *Mammites sergipensis* Oliveira & Brito, 1969
Age: Cretaceous, Turonian
Stratigraphy: Cotinguiba Formation
Occurrence: Cotinguiba, SE
Reference: 13,60,73,332
Plate and Size: 46(332),34mm

Genus *Watinoceras* Warren, 1930

1138 *Watinoceras amudariense* (Arkhanguelskey, 1916)
Age: Cretaceous, Turonian

Occurrence: Cotinguiba Formation
Occurrence: Japaratuba & Laranjeiras, SE
Reference: 13,378
Plate and Size: 46(378),38mm

1139 *Watinoceras coloradoense* (Henderson, 1908)

Age: Cretaceous, Turonian
Stratigraphy: Cotinguiba Formation
Occurrence: Japaratuba & Laranjeiras, SE
Reference: 13,189
Plate and Size: 46(189),90mm

1140 *Watinoceras guentheri* Reymont, 1957

Age: Cretaceous, Turonian
Stratigraphy: Cotinguiba Formation
Occurrence: Japaratuba & Laranjeiras, SE
Reference: 13,380
Plate and Size: 51(380),22mm

1141 *Watinoceras jaekeli* (Solger, 1904)

Age: Cretaceous, Turonian
Stratigraphy: Cotinguiba Formation
Occurrence: Japaratuba & Laranjeiras, SE
Reference: 13

Genus *Benueites* Reymont, 1954

1142 *Benueites benueensis* Reymont, 1954

Age: Cretaceous, Turonian
Stratigraphy: Cotinguiba Formation
Occurrence: Japaratuba & Laranjeiras, SE
Reference: 13,287,381,385
Plate and Size: 46(287),45mm

1143 *Benueites spinosus* Reymont, 1954

Age: Cretaceous, Turonian
Stratigraphy: Cotinguiba Formation
Occurrence: Japaratuba & Laranjeiras, SE
Reference: 13,378,385
Plate and Size: 46(378),45mm

Genus *Pseudaspidoceras* Hyatt, 1903

1144 *Pseudaspidoceras pedroanum* (White, 1887)

Age: Cretaceous, EoTuronian
Stratigraphy: Cotinguiba Formation
Occurrence: Laranjeiras & Japaratuba, SE
Reference: 13,27,73,232,235,246,249,313,332,445
Plate and Size: 46(332),290mm
N.B.: maybe a *P. footeanum* (Stoliczka)
synonymy: 13

1145 *Pseudaspidoceras pseudonodosoides* (Choffat, 1898)

Age: Cretaceous, Cenomanian
Stratigraphy: Cotinguiba Formation
Occurrence: Itaporanga & Japaratuba, SE
Reference: 13,95
Plate and Size: 46(95),76mm

Genus *Kamerunoceras* Reymont, 1954

1146 *Kamerunoceras aff eschii* (Solger, 1904)

Age: Cretaceous, Cenomanian
Stratigraphy: Cotinguiba Formation
Occurrence: Itaporanga & Japaratuba, SE
Reference: 13,287,452
Plate and Size: 46(287),80mm
Synonymy: *K. seitzii* (Riedel, 1932)

1147 *Kamerunoceras jacobsoni* Reymont, 1955

Age: Cretaceous, Turonian
Stratigraphy: Cotinguiba Formation
Occurrence: Japaratuba & Laranjeiras, SE
Reference: 13,378,384,385
Plate and Size: 46(378),120mm

1148 *Kamerunoceras tenuistriata* G. Beurlen, 1969

Age: Cretaceous, Turonian
Stratigraphy: Cotinguiba Formation
Occurrence: Rosário do Catete & Carmópolis, SE
Reference: 13,18
Plate and Size: 47(18),32mm

1149 *Kamerunoceras turoniense* (Orbigny, 1850)

Age: Cretaceous, Turonian
Stratigraphy: Cotinguiba Formation
Occurrence: Japaratuba & Laranjeiras, SE
Reference: 13,206,424
Plate and Size: 47(206),11mm

Subfamily METOICOCERATINAE

Genus *Metoicoceras* Hyatt, 1903

1150 *Metoicoceras geslinianus* (Orbigny, 1842)

Age: Cretaceous, Cenomanian
Stratigraphy: Cotinguiba Formation
Occurrence: Itaporanga & Japaratuba, SE
Reference: 13,97,186
Plate and Size: 47(97),141mm

1151 *Metoicoceras aff ornatum* Moreman, 1942

Age: Cretaceous, Cenomanian
Stratigraphy: Cotinguiba Formation
Occurrence: Itaporanga & Japaratuba, SE
Reference: 13,378,389
Plate and Size: 47(378),12mm

Genus *Thomelites* Juignet, Kennedy & Wright, 1973

1152 *Thomelites sornayi* (Thomel, 1966)
Age: Cretaceous, Cenomanian
Stratigraphy: Cotinguiuba Formation
Occurrence: Itaporanga & Japarutuba, SP
Reference: 13,186
Plate and Size: 47(186),55mm

Family VASCOCERATIDAE

Genus *Vascoceras* Choffat, 1898

1153 *Vascoceras gamai* Choffat, 1898
Age: Cretaceous, Cenomanian
Stratigraphy: Cotinguiuba Formation
Occurrence: Itaporanga & Japarutuba, SE
Reference: 13,287
Plate and Size: 47(287),144mm

Genus *Pachyvascoceras* Furon, 1935

1154 *Pachyvascoceras* aff *globosum* (Reyment, 1954)
Age: Cretaceous, Turonian
Stratigraphy: Cotinguiuba Formation
Occurrence: Japarutuba & Laranjeiras, SE
Reference: 6,13,378,385
Plate and Size: 47(6),70mm
Synonymy: *Fagesia bomba* Eck, 1909 (?)
N.B.1: *Fagesia*?: 13
N.B.2: also related a subspecies *P.g.compressum* Barder

1155 *Pachyvascoceras hartti* (Hyatt, 1870)
Age: Cretaceous, Turonian
Stratigraphy: Cotinguiuba Formation
Occurrence: Maruim & Laranjeiras, SE
Reference: 13,27,73,178,232,235,246,249,313,332,384,385,445
Plate and Size: 48(445),145mm

Genus *Gombeoceras* Reyment, 1954

1156 *Gombeoceras gongilense* (Woods, 1911)
Age: Cretaceous, Turonian
Stratigraphy: Cotinguiuba Formation
Occurrence: Japarutuba & Laranjeiras, SE
Reference: 13,287,384,385
Plate and Size: 47(385),42mm
N.B.: also related a subspecies *G.g.compressum* Barder

Genus *Fagesia* Pervinqui re, 1907

1157 *Fagesia involuta* Barber, 1957
Age: Cretaceous, Turonian
Stratigraphy: Cotinguiuba Formation
Occurrence: Mu uca, SE
Bibliography: 6,13,457
Plate and Size: 47(6),120mm

1158 *Fagesia multiplex* Brito, 1971
Age: Cretaceous, EoTuronian
Stratigraphy: Cotinguiuba Formation
Occurrence: Ros rio do Catete, SE
Reference: 13,60
Plate and Size: 47(60),70mm

Genus *Neoptychites* Kossmat, 1895

1159 *Neoptychites cephalotus* (Courtillet, 1860)
Age: Cretaceous, Turonian
Stratigraphy: Cotinguiuba Formation
Occurrence: Mu uca, SE
Reference: 13,384,385,387,457
Plate and Size: 47(387),25mm
Synonymy: *N.telingaeformis* Solter

Family TISSOTIIDAE

Subfamily PSEUDOTISSOTIINAE

Genus *Pseudotissotia* Peron, 1897

1160 *Pseudotissotia benderi* (Oliveira & Brito, 1969)
Age: Cretaceous, Turonian
Stratigraphy: Cotinguiuba Formation
Occurrence: Rita Cacete, SE
Reference: 13,73,332
Plate and Size: 47(332),270mm

1161 *Pseudotissotia simplex* (Oliveira & Brito, 1969)
Age: Cretaceous, Turonian
Stratigraphy: Cotinguiuba Formation
Occurrence: Laranjeiras, SE
Reference: 13,73,332
Plate and Size: 47(332),108mm

Subgenus *Bauchioceras* Reyment, 1954

1162 *Pseudotissotia* (*Bauchioceras*) *gabonensis* Lombard, 1930
Age: Cretaceous, EoTuronian
Stratigraphy: Cotinguiuba Formation
Occurrence: Laranjeiras, SE

ence: 13,27,60,227

Plate and Size: 48(60),65mm

1163 *Pseudotissotia* (*Bauchioceras*) cf *nigeriensis* (Woods, 1911)

Age: Cretaceous, Turonian

Stratigraphy: Cotinguiba Formation

Occurrence: Japaratuba & Laranjeiras, SE

Reference: 6,13,287,384,385

Plate and Size: 47(287),71mm

1164 *Pseudotissotia* (*Bauchioceras*) *planum* (Barber, 1957)

Age: Cretaceous, Turonian

Stratigraphy: Cotinguiba Formation

Occurrence: Japaratuba & Laranjeiras, SE

Reference: 6,13

Plate and Size: 48(6),85mm

Subgenus *Wrightoceras* Reyment, 1954

1165 *Pseudotissotia* (*Wrightoceras*) *wallsi* (Reyment, 1954)

Age: Cretaceous, Turonian

Stratigraphy: Cotinguiba Formation

Occurrence: Japaratuba & Laranjeiras, SE

Reference: 13,287,384,385

Plate and Size: 48(287),50mm

Genus *Choffaticeras* Hyatt, 1903

1166 *Choffaticeras* *koeneri* (Riedel, 1932)

Age: Cretaceous, Turonian

Stratigraphy: Beberibe Formation

Occurrence: Beberibe, PE

Reference: 27

Family COILOPOCERATIDAE

Genus *Hoplitoides* von Koenen, 1898

1167 *Hoplitoides* *benderi* (G.Beurlen, 1970)

Age: Cretaceous, Turonian

Stratigraphy: Cotinguiba Formation

Occurrence: Rita Cacete, SE

Reference: 13,18

Plate and Size: 48(18),41mm

1168 *Hoplitoides* *brasiliensis* (Oliveira & Brito, 1969)

Age: Cretaceous, Turonian

Stratigraphy: Cotinguiba Formation

Occurrence: Japaratuba, SE

Reference: 13,73,332

Plate and Size: 48(332),360mm

1169 *Hoplitoides* *duartei* (Oliveira & Brito, 1969)

Age: Cretaceous, Turonian

Stratigraphy: Cotinguiba Formation

Occurrence: Laranjeiras, SE

Reference: 13,73,332

Plate and Size: 48(332),240mm

1170 *Hoplitoides* cf *gibbosulus* von Koenen, 1898

Age: Cretaceous, Turonian

Stratigraphy: Cotinguiba Formation

Occurrence: Laranjeiras, SE

Reference: 13,27,378

Plate and Size: 48(378),30mm

1171 *Hoplitoides* *hasselmanni* Magalhães, 1952

Age: Cretaceous, Turonian

Stratigraphy: Cotinguiba Formation

Occurrence: Japaratuba, SE

Reference: 13,73,232,332

Plate and Size: 48(332),255mm

1172 *Hoplitoides* *ingens* (von Koenen, 1897)

Age: Cretaceous, Turonian

Stratigraphy: Cotinguiba Formation

Occurrence: Rita Cacete, SE

Reference: 12,13,383,384,385

Plate and Size: 48(383),40mm

1173 *Hoplitoides* *japaratubensis* (Magalhães, 1952)

Age: Cretaceous, Turonian

Stratigraphy: Cotinguiba Formation

Occurrence: Japaratuba, SE

Reference: 13,73,232,332

Plate and Size: 49(332),336mm

1174 *Hoplitoides* *thomasi* Magalhães, 1953

Age: Cretaceous, Turonian

Stratigraphy: Cotinguiba Formation

Occurrence: Japaratuba, SE

Reference: 13,73,234,332,457

Plate and Size: 49(332),240mm

Genus *Coilopoceras* Hyatt, 1903

1175 *Coilopoceras* aff *colleti* Hyatt, 1903

Age: Cretaceous, Turonian

Stratigraphy: Cotinguiba Formation

Occurrence: Pedro Gonçalves, SE

Reference: 12,13,233

Plate and Size: 49(233),200mm

1176 *Coilopoceras discoidum* Barbor, 1957
Age: Cretaceous, Turonian
Stratigraphy: Cotinguiba Formation
Occurrence: Japaratuba & Laranjeiras, SE
Reference: 6,13
Plate and Size: 49(6),95mm

1177 *Coilopoceras luciano*i Oliveira, 1969
Age: Cretaceous, Turonian
Stratigraphy: Cotinguiba Formation
Occurrence: Aracati, SE
Reference: 331
Plate and Size: 49(331),100mm

1178 *Coilopoceras mauryae* Oliveira & Brito, 1969
Age: Cretaceous, Turonian
Stratigraphy: Cotinguiba Formation
Occurrence: Cotinguiba, SE
Reference: 13,73,332
Plate and Size: 49(332),260mm

1179 *Coilopoceras sergipensis* Oliveira & Brito, 1969
Age: Cretaceous, Turonian
Stratigraphy: Cotinguiba Formation
Occurrence: Maruim, SE
Reference: 13,73,332
Plate and Size: 49(332),360mm

Genus *Glebosoceras* Reyment, 1954

1180 *Glebosoceras glebosum* Reyment, 1954
Age: Cretaceous, Turonian
Stratigraphy: Cotinguiba Formation
Occurrence: Japaratuba & Laranjeiras, SE
Reference: 13,287,384
Plate and Size: 49(287),136mm

Family COLLIGNOCERATIDAE
Subfamily COLLIGNOCERATINAE

Genus *Prionocyclus* Meek, 1876

1181 *Prionocyclus* aff *guayabanus* Steinmann, 1897
Age: Cretaceous, Coniacian
Stratigraphy: Cotinguiba Formation
Occurrence: Laranjeiras, SE
Reference: 13,428
Plate and Size: 49(428),55mm

Subfamily PERONICERATINAE

Genus *Prionocycloceras* Spath, 1926

1182 *Prionocycloceras gaudryi* (Boulé, Lemoine & Thevenin, 1907)
Age: Cretaceous, Coniacian
Stratigraphy: Cotinguiba Formation
Occurrence: Laranjeiras, SE
Reference: 13,49
Plate and Size: 50(49),222mm

1183 *Prionocycloceras* cf *hazzardi* Young, 1963
Age: Cretaceous, Coniacian
Stratigraphy: Cotinguiba Formation
Occurrence: Quiçamã, SE
Reference: 13,18
Plate and Size: 49(18),72mm

1184 *Prionocycloceras* cf *lenti* (Gerhardt, 1958)
Age: Cretaceous, Coniacian
Stratigraphy: Cotinguiba Formation
Occurrence: Quiçamã, SE
Reference: 13,18
Plate and Size: 49(18),52mm

1185 *Prionocycloceras troelseni* (G.Beurlen, 1969)
Age: Cretaceous, Coniacian
Stratigraphy: Cotinguiba Formation
Occurrence: Quicamã, SE
Reference: 13,18
Plate and Size: 49(18),57mm

Subfamily TEXANITINAE

Genus *Protexanites* Matsumoto, 1955

1186 *Protexanites* cf *bourgeoisianus* (Orbigny, 1840)
Age: Cretaceous, Turonian-Maastrichtian
Stratigraphy: Jandaira Formation
Occurrence: Mossoró, RN
Reference: 307
Plate and Size: 49(307),148mm

Subfamily BARROISICERATINAE

Genus *Barroisiceras* de Grossouvre, 1894

1187 *Barroisiceras onilahyense* Basse, 1947
Age: Cretaceous, EoConiacian
Stratigraphy: Cotinguiba Formation
Occurrence: Laranjeiras, SE
Reference: 10,12,13
Plate and Size: 50(10),90mm

Genus *Forresteria* Reeside, 1932
Synonymy: *Solgerites* Reeside, 1932 (205)

1188 *Forresteria armata* (Solger)
Age: Cretaceous, EoConiacian
Stratigraphy: Cotinguiba Formation
Occurrence: Mucuri, SE
Reference: 12,13
Plate and Size: 51(12),20mm

1189 *Forresteria brancoi* (Solger, 1904)
Age: Cretaceous, Coniacian
Stratigraphy: Cotinguiba Formation
Occurrence: Laranjeiras, SE
Reference: 13,205,287
Plate and Size: 50(287),90mm

1190 *Forresteria* (?) *tabuaense* G.Beurlen, 1969
Age: Cretaceous, Coniacian
Stratigraphy: Cotinguiba Formation
Occurrence: Cotinguiba, SE
Reference: 13,18
Plate and Size: 50(18),44mm

Subfamily LENTICERATINAE

Genus *Eulophoceras* Hyatt, 1903

1191 *Eulophoceras natalense* Hyatt, 1903
Age: Cretaceous, Turonian
Stratigraphy: Cotinguiba Formation
Occurrence: Japarutuba & Laranjeiras, SE
Reference: 13,402
Plate and Size: 50(402),148mm

Family SPHENODISCIDAE

Genus *Sphenodiscus* Meek, 1871

1192 *Sphenodiscus brasiliensis* Maury, 1930
Age: Cretaceous, Campanian-Maastrichtian
Stratigraphy: Gramame Formation
Occurrence: Gramame River, João Pessoa, PB
Reference: 73,235,246
Plate and Size: 50(246),108mm

1193 *Sphenodiscus parahybensis* Maury, 1930
Age: Cretaceous, Campanian-Maastrichtian
Stratigraphy: Gramame Formation
Occurrence: Gramame River, João Pessoa, PB
Reference: 73,235,246
Plate and Size: 50(246),112mm

INCERTAE SEDIS

1194 "*Ammonites*" *gibbionianus* Lea, 1840
Age: Cretaceous, Albian-Cenomanian
Stratigraphy: Riachuelo Formation
Occurrence: Maruim, SE
Reference: 178,235

1195 "*Ammonites*" *halli* Meek & Hayden
Age: Cretaceous, Albian-Cenomanian
Stratigraphy: Riachuelo Formation
Occurrence: Maruim, SE
Reference: 178,235

1196 *Graysonites* cf *lozoi* Young
Age: Cretaceous, EoCenomanian
Stratigraphy: Cotinguiba Formation
Occurrence: Itaporanga, SE
Reference: 12,13
Plate and Size: 51(M.H.R.Hessel's picture),240mm

2.6 Class TENTACULITOIDEA

Order TENTACULITIDA

Family TENTACULITIDAE

Genus *Tentaculites* Schlotheim, 1828

1197 *Tentaculites bellulus* Hall, 1876
Age: Devonian, Eifelian-Frasnian
Stratigraphy: Ponta Grossa Formation
Occurrence: Ponta Grossa, PR
Reference: 88,428
Plate and Size: 52(88),8mm

1198 *Tentaculites crotalinus* Salter, 1856
Age: Devonian, Emsian-Frasnian
Stratigraphy: Ponta Grossa & Maecuru Formations
Occurrence: Maecuru, PA; Chapada do Guimarães, MT; Jaguaraiava & Ponta Grossa, PR
Reference: 73,81,82,84,86,88,192,194,211,217,224,235,336,367,435
Plate and Size: 52(88),17mm

1199 *Tentaculites eldredgianus* Hartt & Rathbun, 1875
Age: Devonian, Emsian to Givetian
Stratigraphy: Maecuru & Ererê Formations
Occurrence: Maecuru & Ererê, PA
Reference: 172,192,193,194,235,435
Plate and Size: 52(193),10mm

1200 *Tentaculites jaculus* Clarke, 1913
Age: Devonian, Frasnian
Stratigraphy: Ponta Grossa Formation

Occurrence: Ponta Grossa & Caniu River, PR
Reference: 73,81,82,84,88,217,235
Plate and Size: 52(81),18mm

1201 *Tentaculites oseryi* Clarke, 1899
Age: Devonian, Frasnian-Fammenian
Stratigraphy: Curuá Formation
Occurrence: Curuá, PA
Reference: 86,235,435
N.B.: never figured (9mm)

1202 *Tentaculites stubeli* Clarke, 1899
Age: Devonian, Emsian
Stratigraphy: Maecuru Formation
Occurrence: Maecuru, PA
Reference: 192,193,194,198,235,435
Plate and Size: 52(193),11mm

1203 *Tentaculites tenellus* Katzer, 1897
Age: Devonian, Emsian
Stratigraphy: Maecuru Formation
Occurrence: Maecuru, PA

Reference: 192,193,194,235,435
Plate and Size: 52(193),9mm

1204 *Tentaculites trombetensis* Clarke, 1899
Age: Silurian, Ludlovian
Stratigraphy: Trombetas Formation
Occurrence: Cachoeira Vira Mundo & Trombetas River, PA
Reference: 81,193,194,235
Plate and Size: 52(81),8mm

Order DACRYONARIDA
Family STYLIOLINIDAE

Genus *Styliolina* Karpinsky, 1884

1205 *Styliolina clavula* (Barrande, 1867)
Age: Devonian, Emsian
Stratigraphy: Maecuru Formation
Occurrence: Maecuru, PA
Reference: 192,193,194,235,435
Plate and Size: 52(193),10mm

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LATE ADDITION

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PLATES

PLATE 1

Species 1 to 27: Belleromphontidae (1 to 8), Sinuitidae (9 to 15), Bucaniidae (16 to 18), Eotomariidae (19 to 23), Pleurotomariidae (24 to 29).

PLATE 2

Species 30 to 65: Pleurotomariidae (30), Euomphalidae (31 to 33), Fissurellidae (34 to 37), Platyceratidae (38 to 57), Trochidae (59 to 64), Turbinidae (65).

PLATE 3

Species 66 to 89: Turbinidae (66 to 68), Neritidae (69 to 78), Neritopsidae (79 to 80), Itieriidae (81), Viviparidae (82 to 84), Littorinidae (85 to 87), Hydrobiidae (88 to 89).

PLATE 4

Species 90 to 119: Hydrobiidae (90 to 96), Thiariidae (97 to 104), Cerithiidae (105 to 115, 117 to 119).

PLATE 5

Species 116 to 158: Cerithiidae (116, 120 to 128), Campanilidae (129 to 130), Diastomatidae (131 to 132), Potamididae (133 to 137), Pleuroceridae (139), Turritellidae (140 to 144, 148 to 153, 155 to 158).

PLATE 6

Species 145 to 195: Turritellidae (145, 146, 154, 159 to 179), Vermetidae (180 to 182), Nerineidae (183 to 195).

PLATE 7

Species 196 to 220: Strombidae (196 to 206), Aporrhaidae (207 to 212), Crepidulidae (213 to 218), Xenophoridae (219 to 220).

PLATE 8

Species 221 to 240: Cypraeidae (221 to 225), Ovulidae (227), Naticidae (228 to 240).

PLATE 9

Species 241 to 269: Naticidae (241 to 256), Cassidae (257 to 258), Cymatiidae (260 to 262), Cerithiopsidae (263), Epitonidae (264 to 268), Eulimidae (269).

PLATE 10

Species (259) 270 to 296: Ficidae (259), Muricidae (270 to 278), Thaididae (279), Buccinidae (280 to 284), Nassariidae (285 to 287), Melongenidae (288), Fasciariidae (289 to 296).

PLATE 11

Species 297 to 317 (323): Fasciariidae (297 to 301), Volutidae (302 to 309), Harpidae (310 to 312), Vasidae (313 to 317, 323).

PLATE 12

Species 318 to 358: Vasidae (318, 320, 322), Olividae (324 to 333), Marginellidae (334 to 344), Mitridae (345), Volutomitridae (346), Costellariidae (347), Cancellariidae (349 to 355), Conidae (356 to 358, 362).

PLATE 13

Species 359 to 386: Conidae (359 to 361), Turridae (363 to 371), Terebridae (372 to 382), Architectonicidae (383 to 386).

PLATE 14

Species 387 to 418: Pyramidellidae (387 to 390), Acteonidae (391 to 398), Retusidae (399), Aceridae (400), Scaphandridae (401 to 403), Umbraculidae (404), Carichiidae (405), Physidae (406), Planorbidae (408 to 411),

Vertiginidae (412), Strobilopsidae (413), Clausilidae (414), Megalobulimidae (415 to 416), Bulimulidae (418).

PLATE 15

Species 417 to 431: Endodontidae (417), Bulimulidae (419 to 425), Urocoptidae (426), Subulinidae (427), Streptaxidae (428 to 431).

PLATE 16

Species 432 to 468: Solemyidae (432 to 433), Ctenodontidae (434 to 435), Nuculidae (436 to 439), Nuculanidae (441 to 451), Malletiidae (452 to 468).

PLATE 17

Species 469 to 497: Malletiidae (469 to 473), Arcidae (474 to 491), Noetiidae (492), Parallelodontidae (493), Cucullaeidae (494 to 495, 497).

PLATE 18

Species 496 to 507: Cucullaeidae (496, 498 to 499), Glycymeridae (500 to 507).

PLATE 19

Species 509 to 540: Glycymeridae (509), Mytilidae (511 to 529), Myalinidae (530 to 536), Pteriidae (539 to 540, 543).

PLATE 20

Species 541 to 567: Pteriidae (541 to 542, 544 to 546), Isognomonidae (547 to 548), Bakevellidae (549 to 550), Pterineidae (552 to 563), Inoceramidae (565 to 567).

PLATE 21

Species 568 to 587: Inoceramidae.

PLATE 22

Species 588 to 604: Inoceramidae (588 to 600), Pinnidae (601 to 604).

PLATE 23

Species 605 to 629: Pinnidae (605 to 606), Limidae (607 to 620), Ostreidae (621 to 626, 628 to 629).

PLATE 24

Species (627) 630 to 696: Ostreidae (627, 630 to 642), Gryphaeidae (643 to 646).

PLATE 25

Species 647 to 670: Gryphaeidae (647 to 658), Plicatulidae (659 to 666), Pectinidae (667 to 668, 670).

PLATE 26

Species (669) 671 to 686: Pectinidae.

PLATE 27

Species 687 to 707: Pectinidae (687 to 694), Aviculopectinidae (695 to 707).

PLATE 28

Species 708 to 745: Aviculopectinidae (708 to 709), Posidoniidae (711), Propeamussidae (712), Pseudomonotidae (713), Entoliidae (714), Spondylidae (715), Anomiidae (716 to 724), Trigoniidae (725), Myophoriidae (726 to 732), Modiomorphidae (733 to 743), Allodesmatidae (744 to 745).

PLATE 29

Species 746 to 777: Hyriidae (746 to 753), Sancticarolitidae (754), Mutelidae (755 to 756), Mycetopodidae (757 to 766), Palaeomutelidae (767), Pachycardiidae (768 to 771), Lucinidae (772 to 777).

PLATE 30

Species 778 to 812: Lucinidae (778 to 783), Fimbriidae (785 to 786), Carditidae (787 to 803), Permophoridae (804

to 808), Crassatellidae (811 to 812).

PLATE 31

Species (810) 813 to 840: Permophoridae (810), Crassatellidae (813 to 821), Family Uncertain (822 to 826), Astartidae (829 to 836), Cardiidae (837 to 840).

PLATE 32

Species 841 to 872: Cardiidae (841 to 868), Mactridae (869 to 872).

PLATE 33

Species 873 to 903: Solenidae (873 to 874), Tellinidae (875 to 881), Semelidae (882), Psammobiidae (883 to 884), Tancrediidae (885), Donacidae (886), Doubtful Tellinoidea (887 to 896), Dreissenidae (897), Arcticidae (898 to 899), Trapeziidae (900), Pisidiidae (901), Veneridae (902 to 903).

PLATE 34

Species 904 to 932: Veneridae (904 to 930), Petricolidae (931), Chamidae (932).

PLATE 35

Species 933 to 970: Chamidae (933 to 937), Corbulidae (938 to 962), Edmondiidae (963 to 970).

PLATE 36

Species 972 to 1007: Edmondiidae (972 to 977), Grammysiidae (978 to 1002), Megadesmidae (1003 to 1007).

PLATE 37

Species 1008 to 1042: Megadesmidae (1008 to 1019), Pholadomyidae (1020 to 1027), Pleuromyidae (1028 to 1030), Laternulidae (1031), Poromyidae (1033 to 1037), Cuspidariidae (1038), Clavagellidae (1039), Incertae Sedis (1042).

PLATE 38

Species 1040 to 1058: Bivalvia Incertae Sedis (1040), Scaphopoda (1051 to 1053), Calyptomatida (1054), Ortoceratidae (1055 to 1056), Aturiidae (1057), Hercoglossidae (1058).

PLATE 39

Species 1959 to 1072: Hercoglossidae (1059), Tetragonitidae (1061 to 1062), Hamitidae (1064), Baculitidae (1065), Nostoceratidae (1066), Diplomoceratidae (1067 to 1068), Scaphitidae (1069), Desmoceratidae (1070 to 1072).

PLATE 40

Species 1071 to 1083: Desmoceratidae (1071 to 1074), Pachydiscidae (1076 to 1079, 1082 to 1083).

PLATE 41

Species 1080 to 1086: Pachydiscidae.

PLATE 42

Species 1087 to 1093: Pachydiscidae.

PLATE 43

Species 1094 to 1099: Pachydiscidae (1094 to 1098), Douvilleiceratidae (1099).

PLATE 44

Species 1100 to 1112: Douvilleiceratidae (1100 to 1101), Lingonoceratidae (1102), Hoplitidae (1103 to 1104), Forbesiceratidae (1105), Brancoceratidae (1106 to 1112).

PLATE 45

Species 1113 to 1131: Brancoceratidae (1113 to 1118), Lyelliceratidae (1119), Acanthoceratidae (1120 to 1122, 1124 to 1131).

PLATE 46

Species 1123 to 1147: Achanthoceratidae.

PLATE 47

Species 1148 to 1163: Achanthoceratidae (1148 to 1152), Vascoceratidae (1153 to 1154, 1156 to 1159), Tissotiidae (1160 to 1161, 1163).

PLATE 48

Species 1155 to 1172: Vascoceratidae (1155), Tissotiidae (1162, 1164 to 1165), Coilopoceratidae (1167 to 1172).

PLATE 49

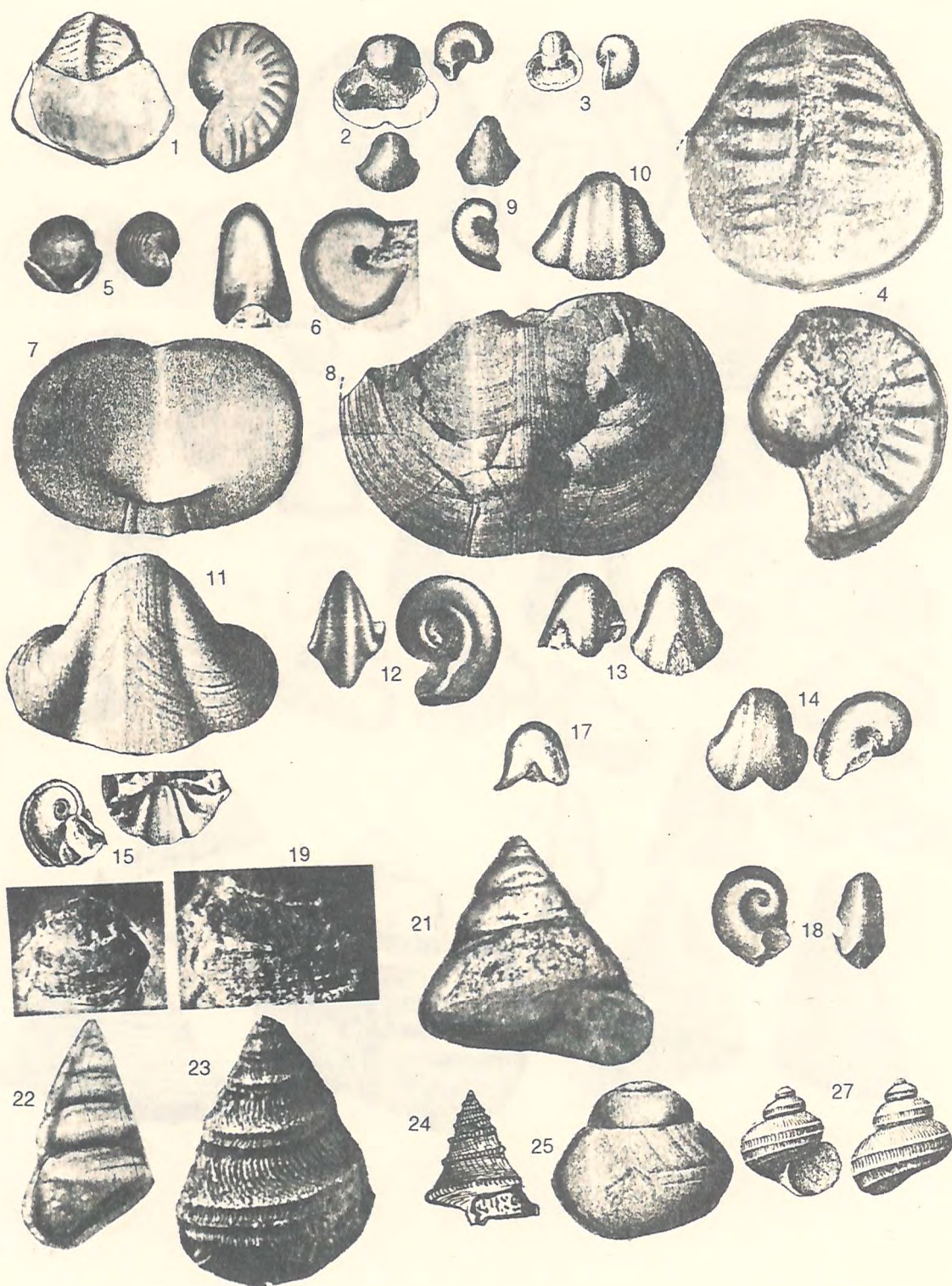
Species 1173 to 1186: Coilopoceratidae (1173 to 1180), Collignoceratidae (1181, 1183, 1186).

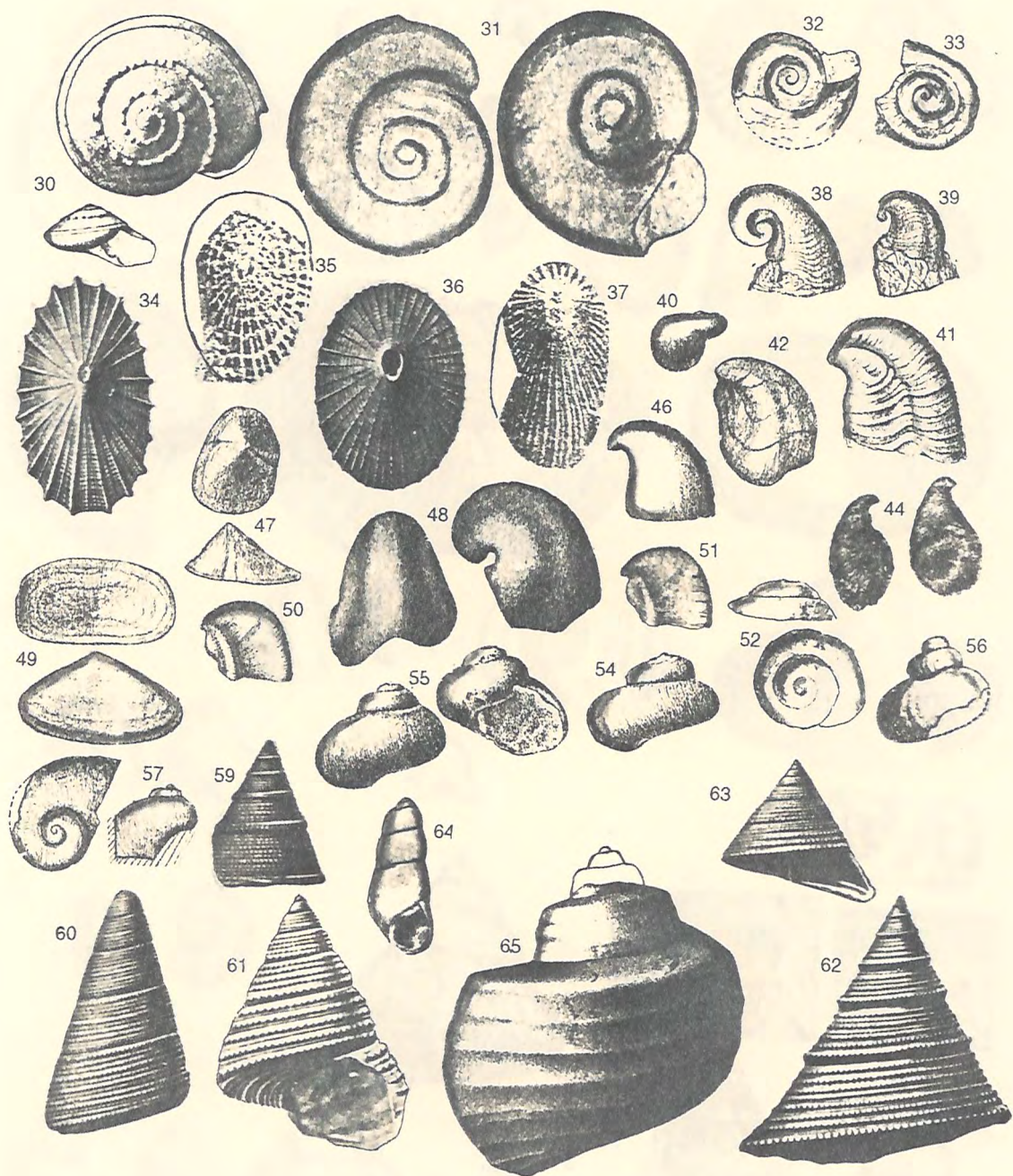
PLATE 50

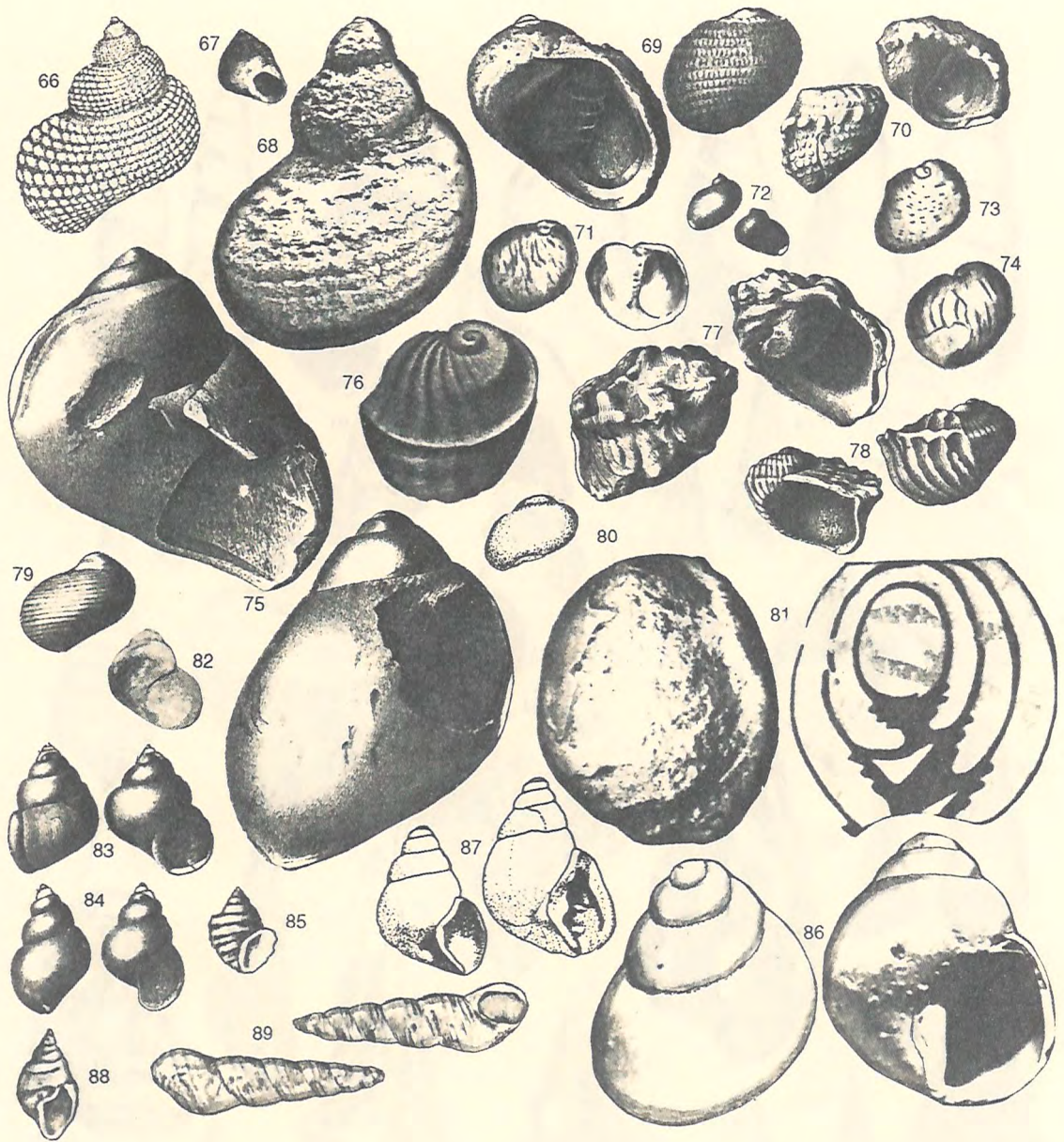
Species 1182 to 1193: Collignoceratidae (1182, 1187, 1189 to 1191), Sphenodiscidae (1192 to 1193).

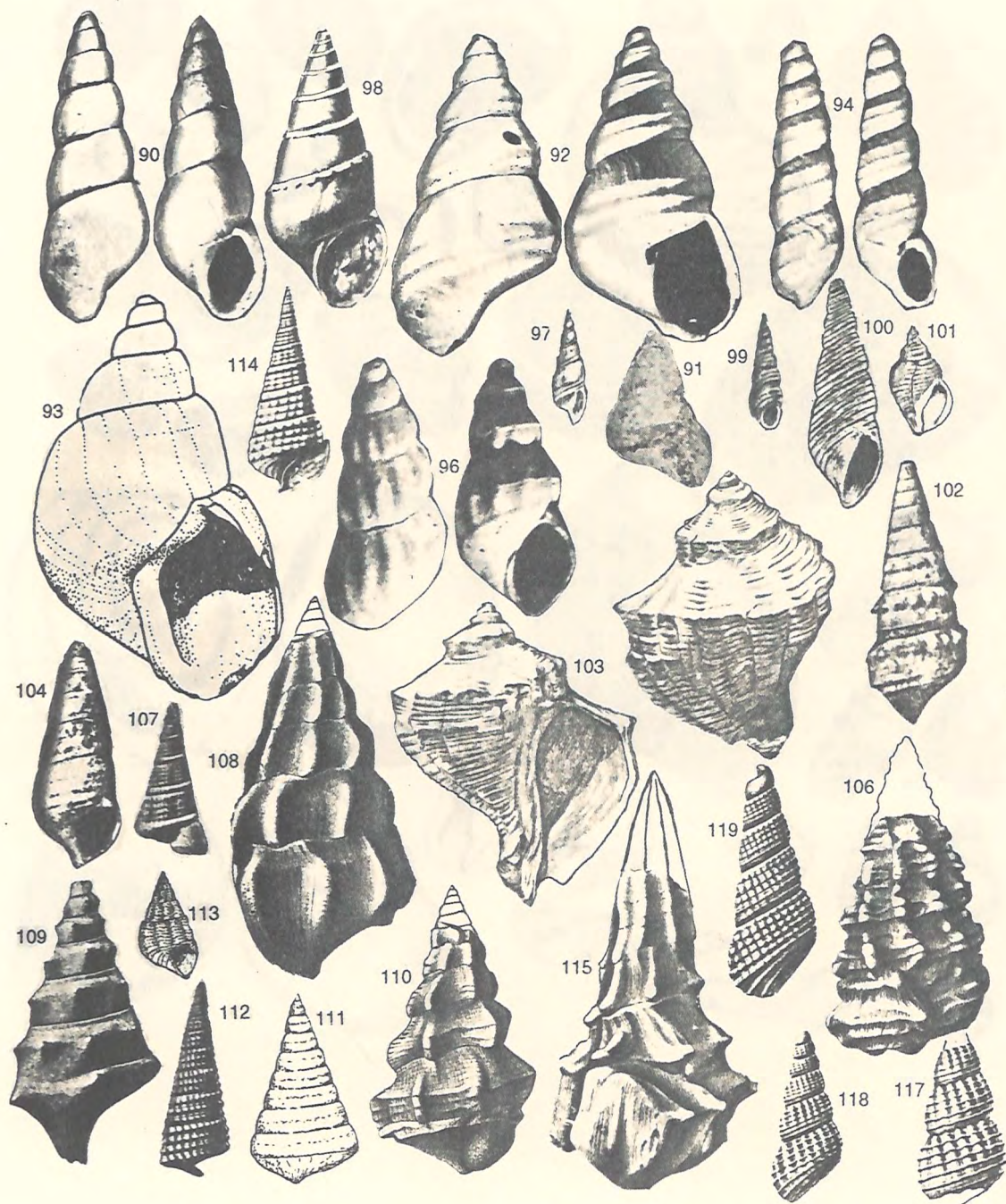
PLATE 51

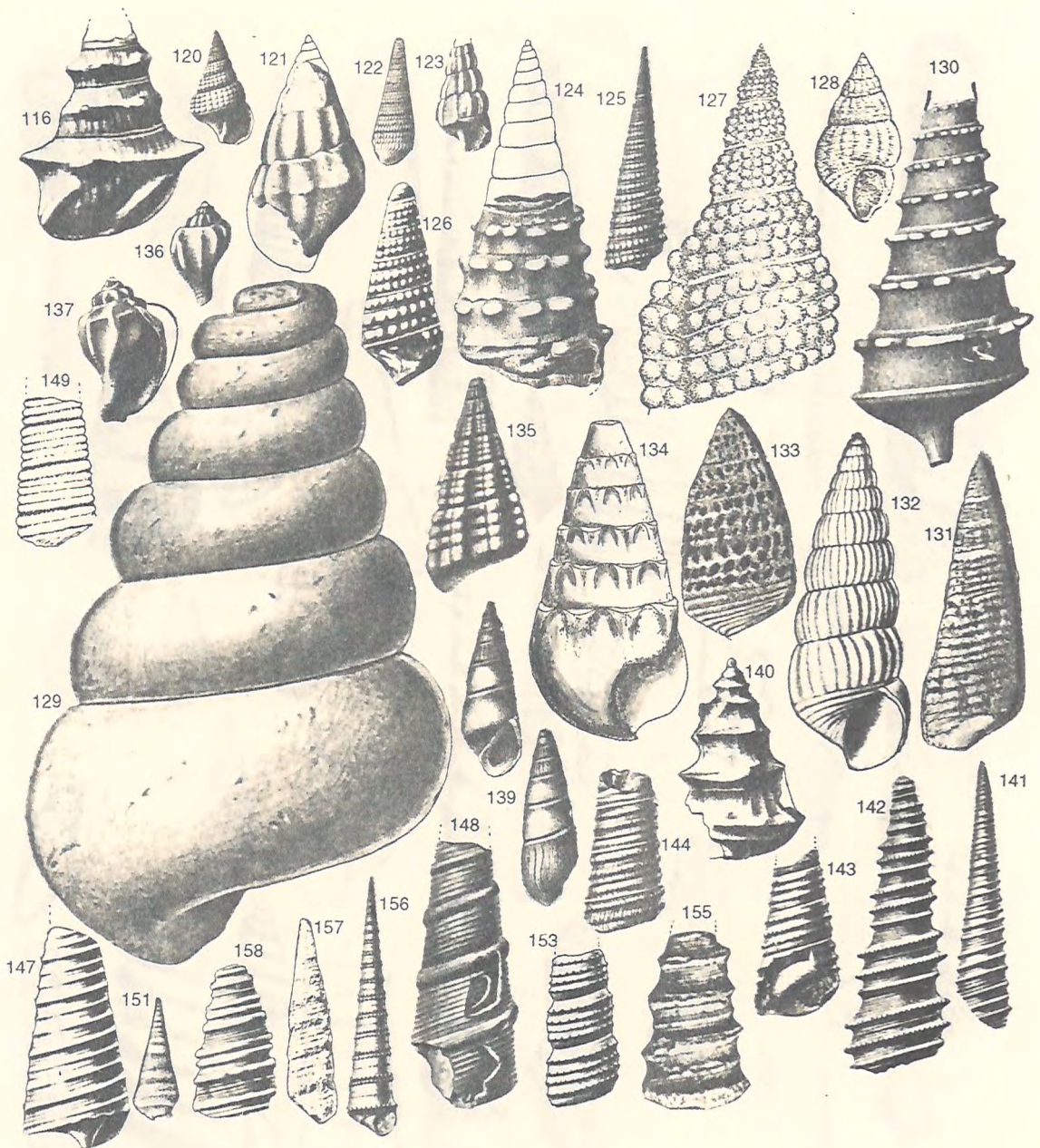
Species 1129 to 1205: Achanthoceratidae (1129, 1140), Collignoceratidae (1188), Cephalopoda Incertae Sedis (1196), Tentaculitida (1197 to 1205).

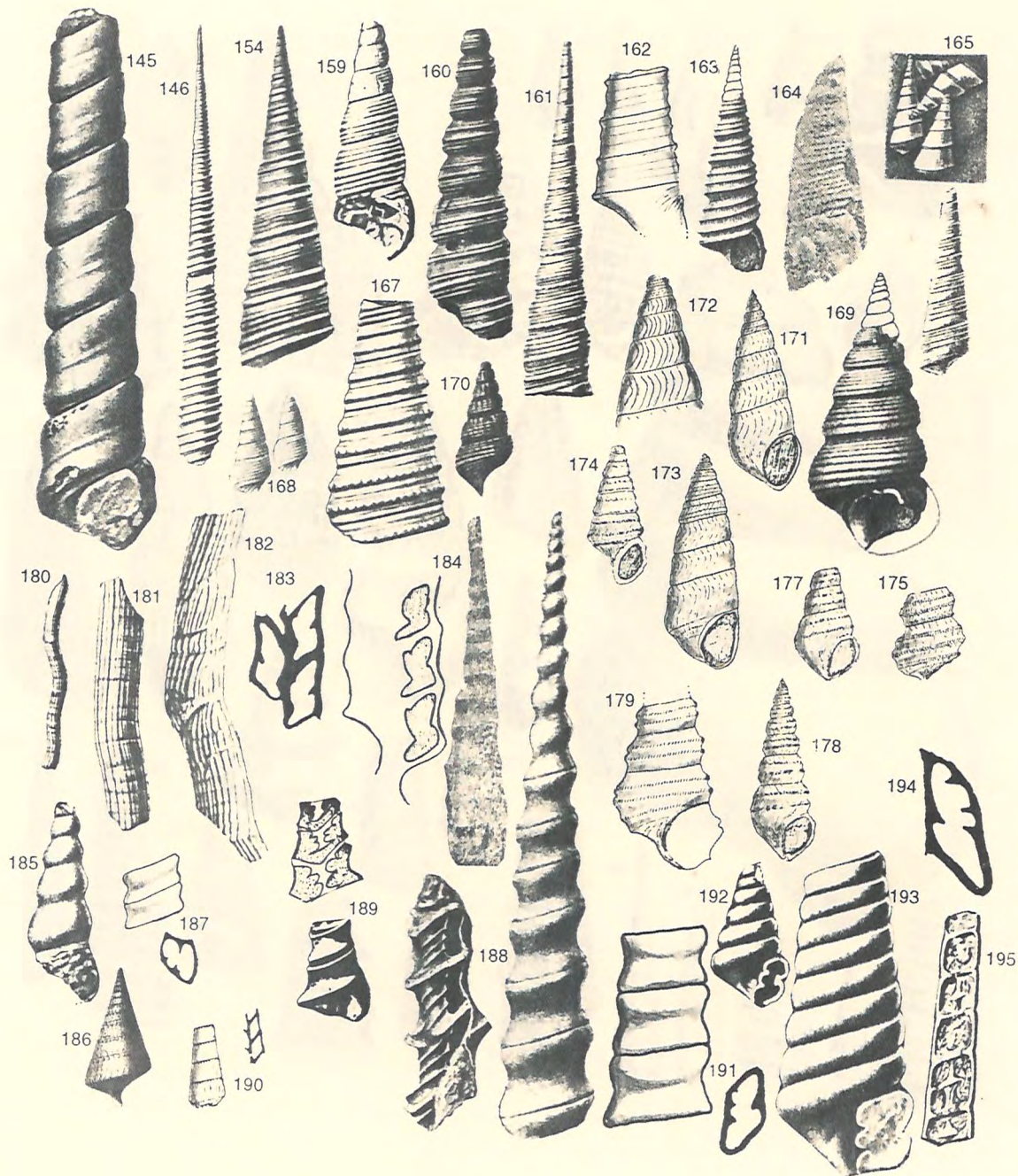


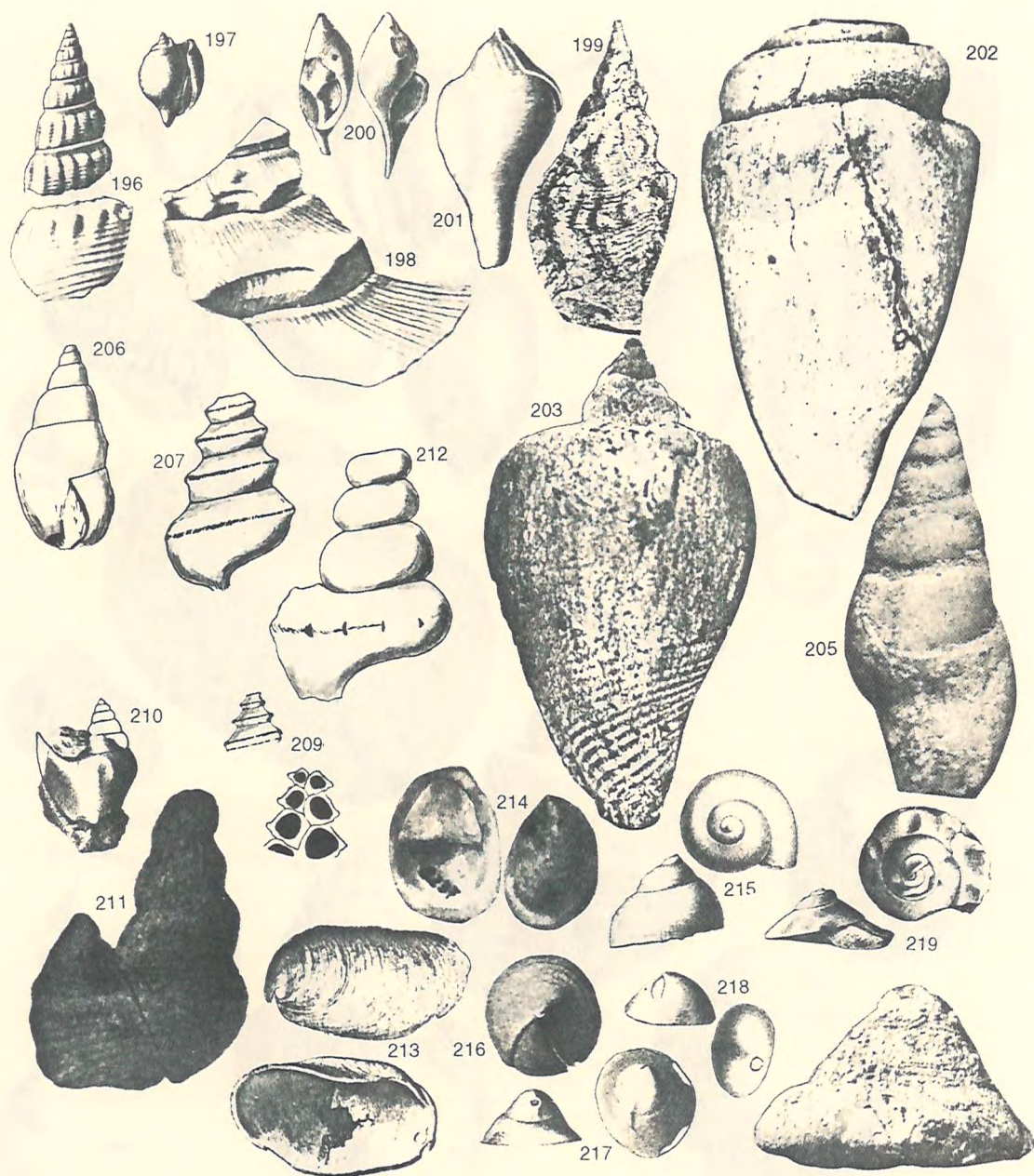


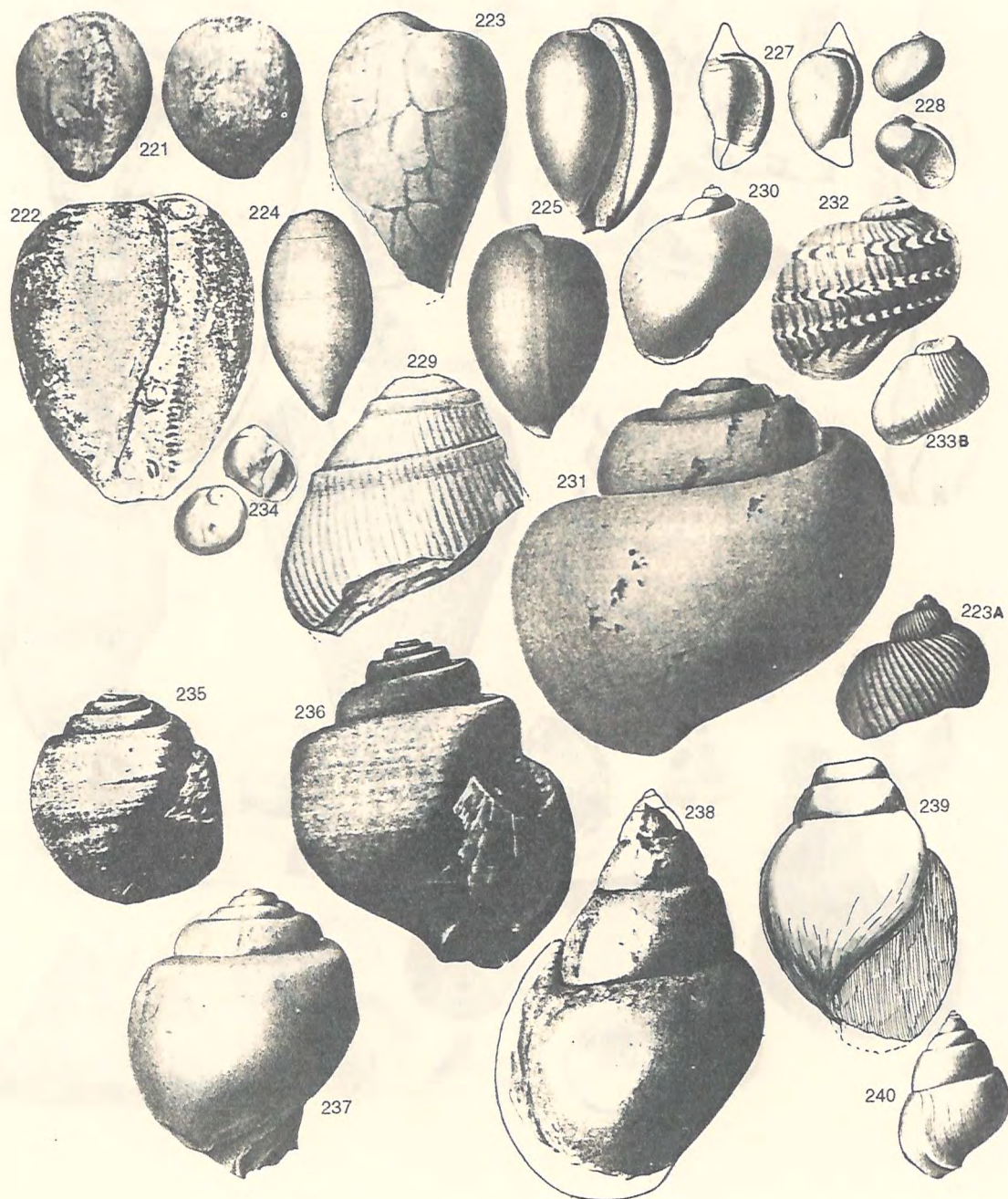


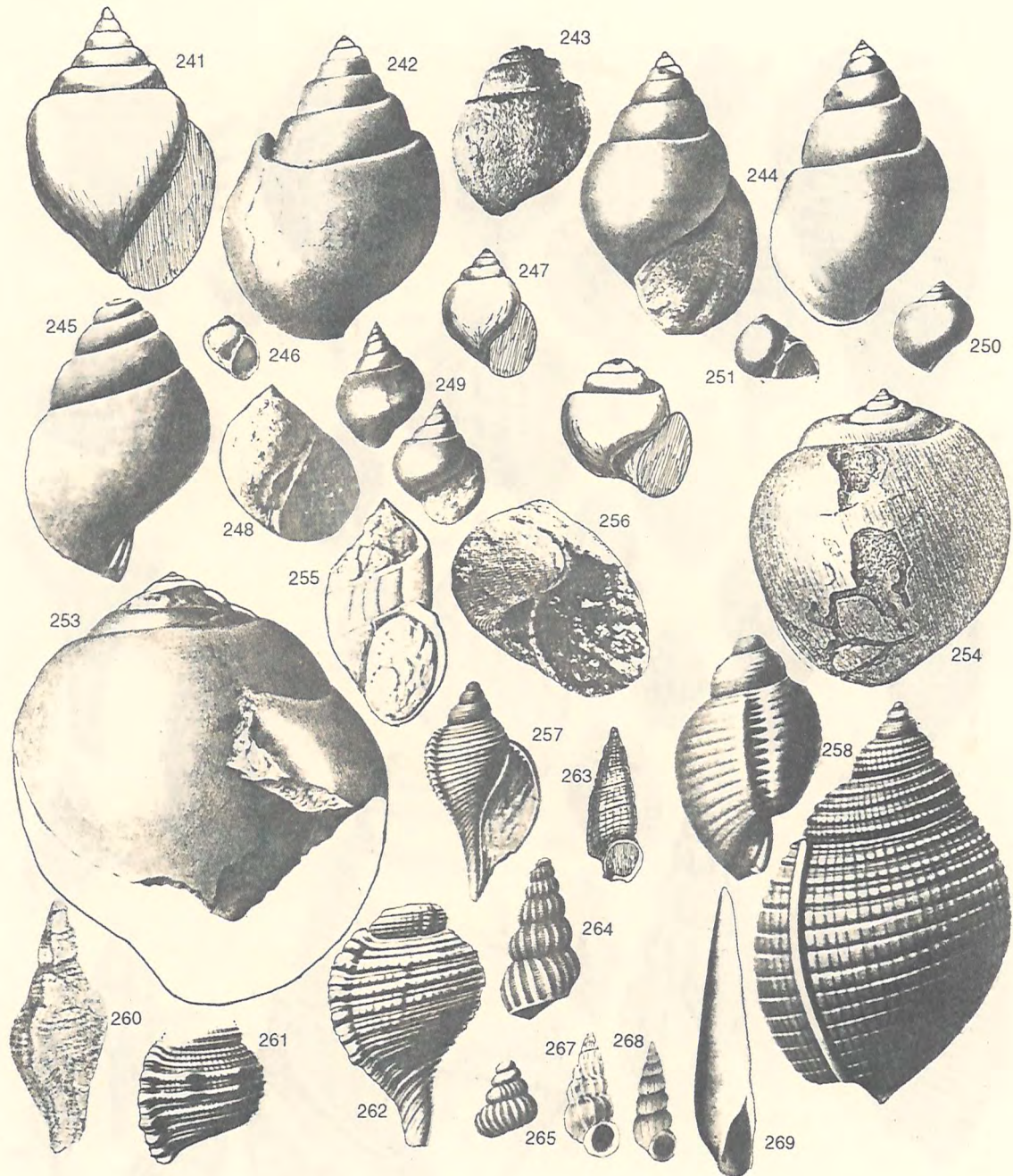


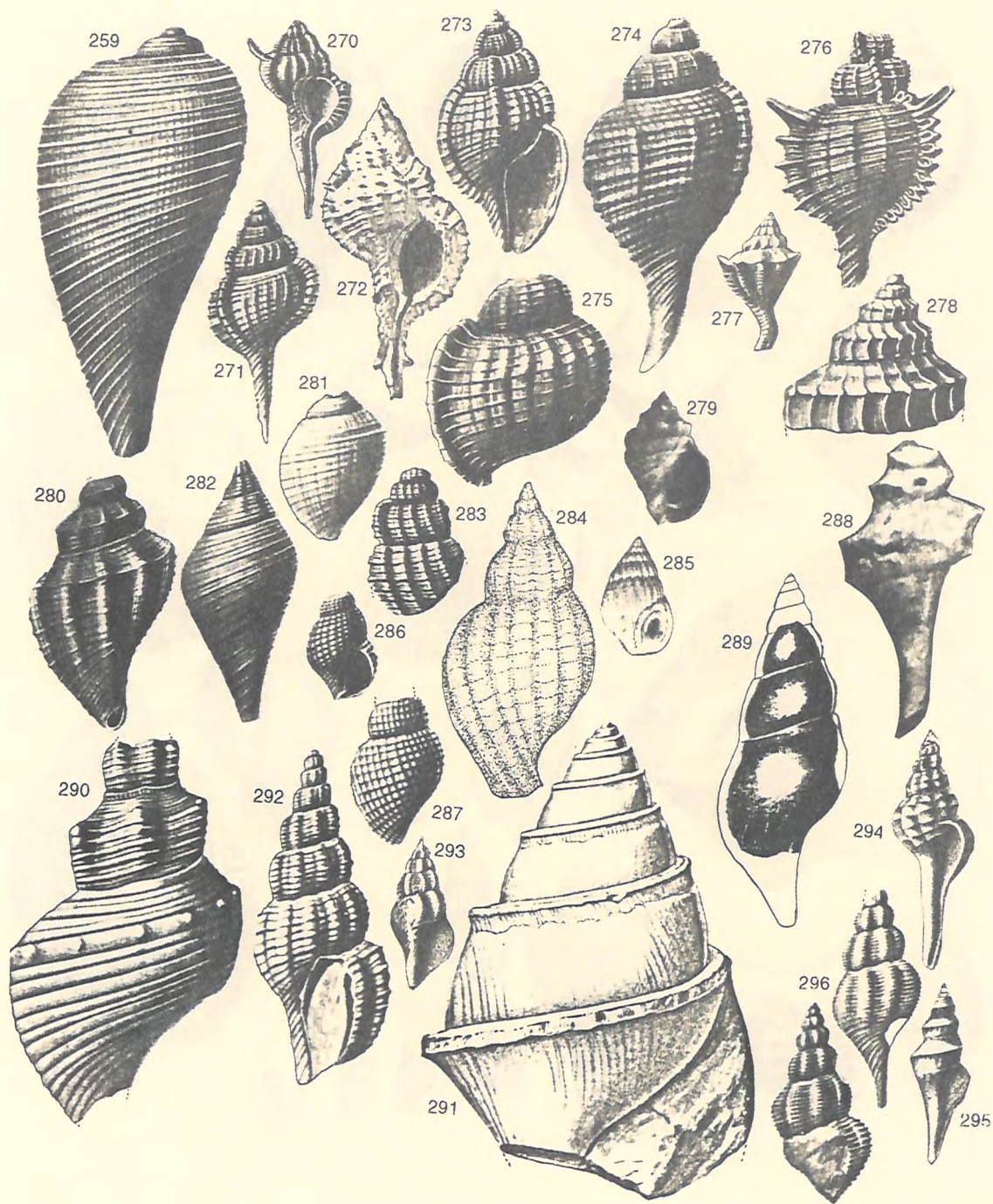


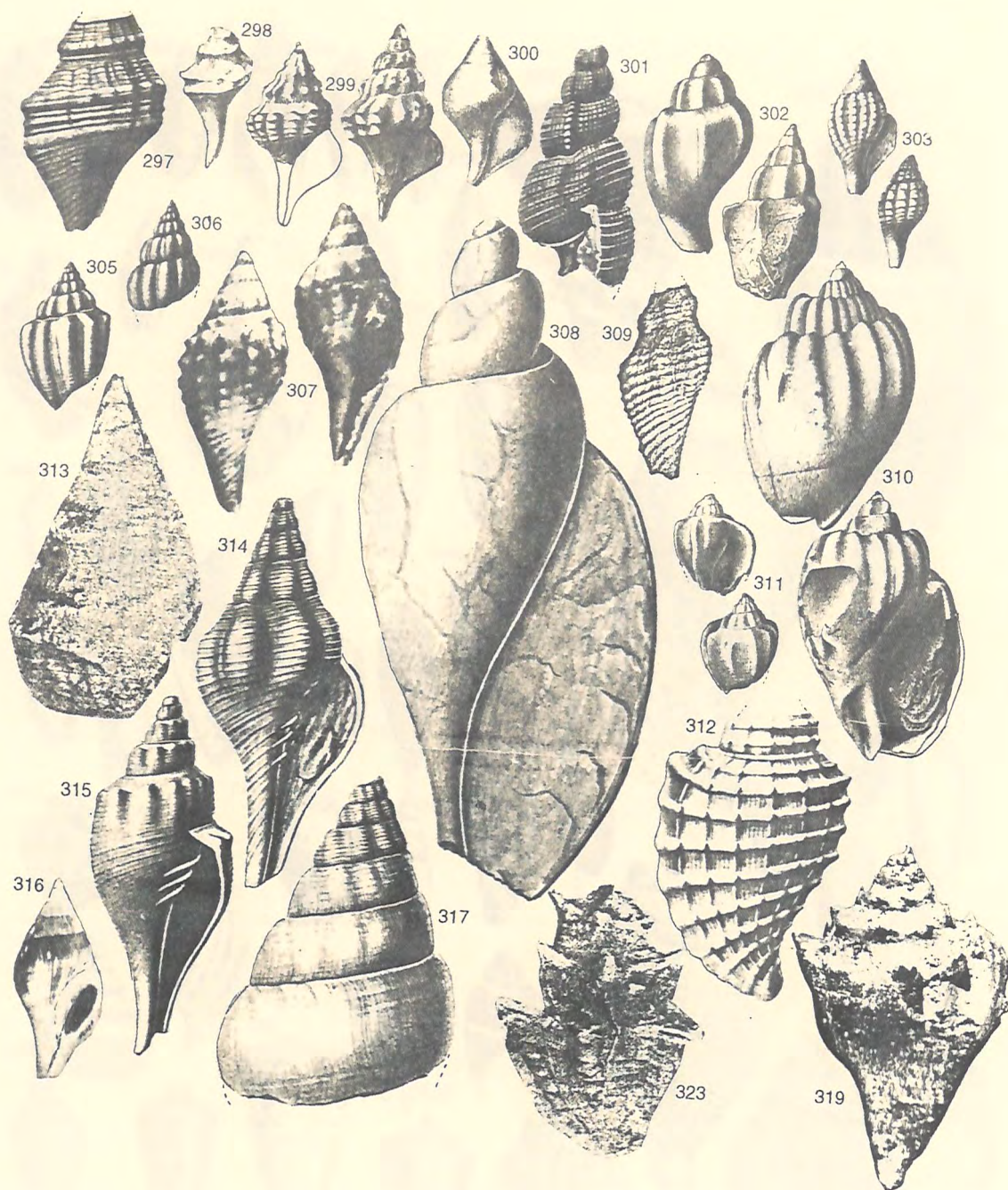


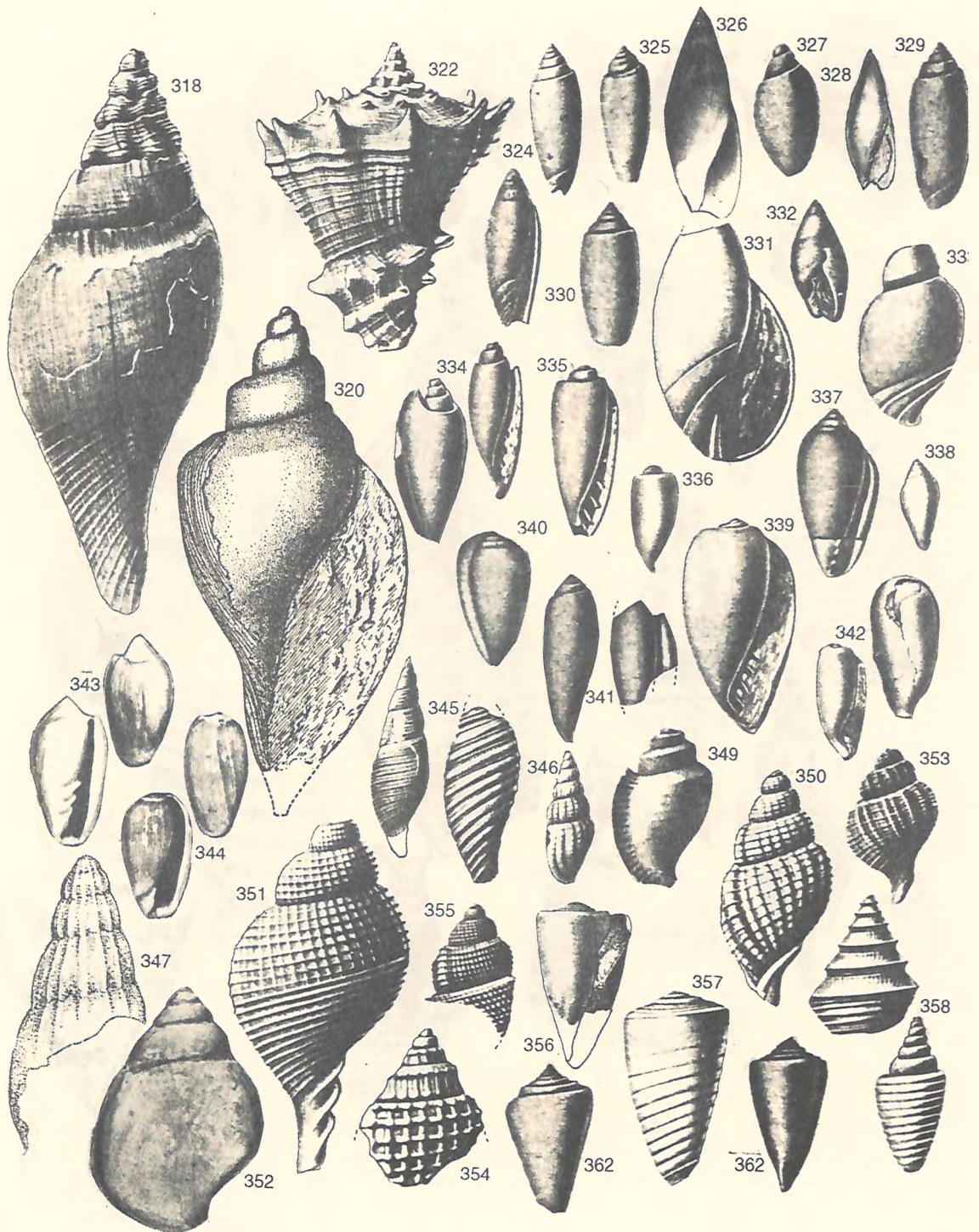


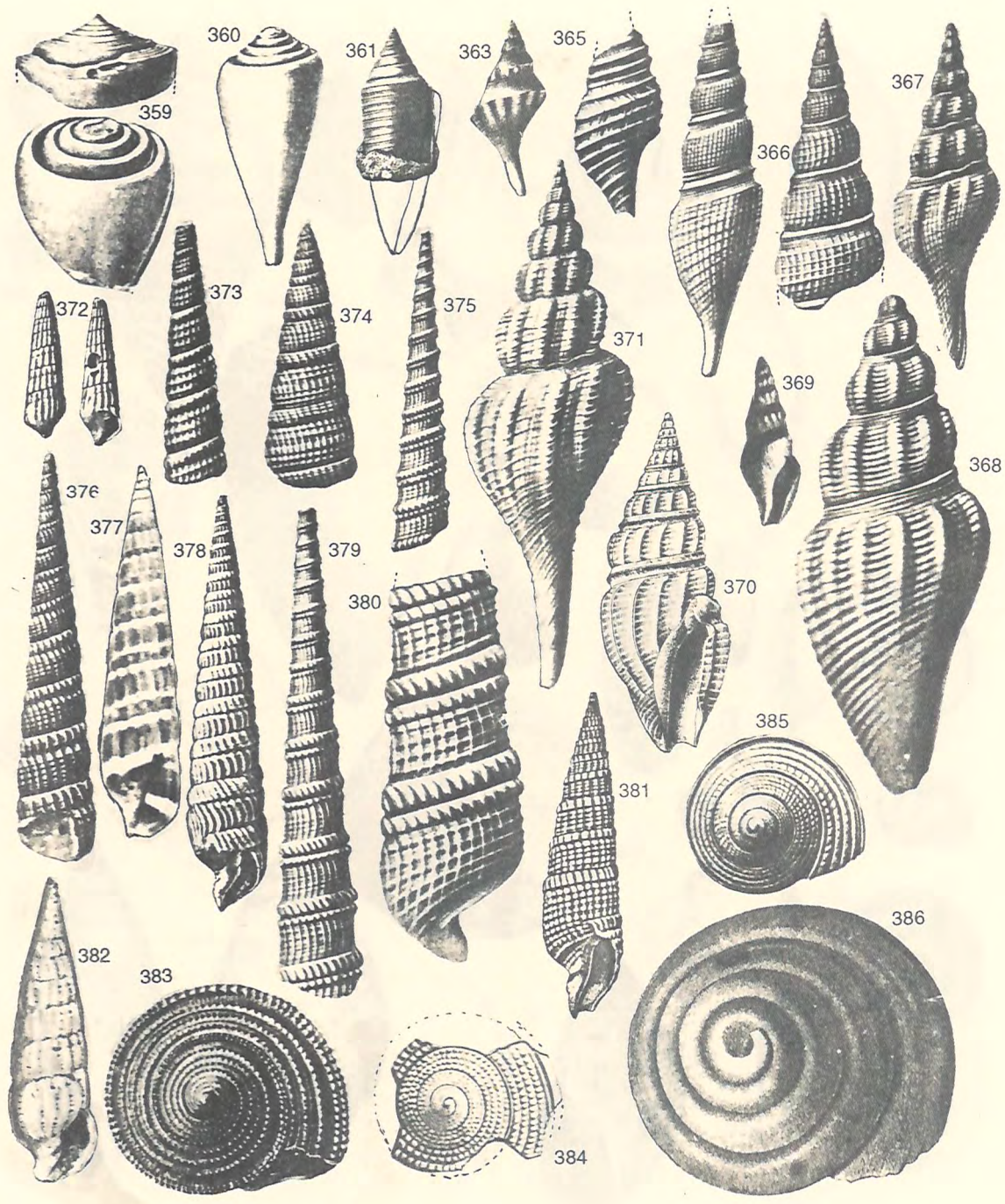


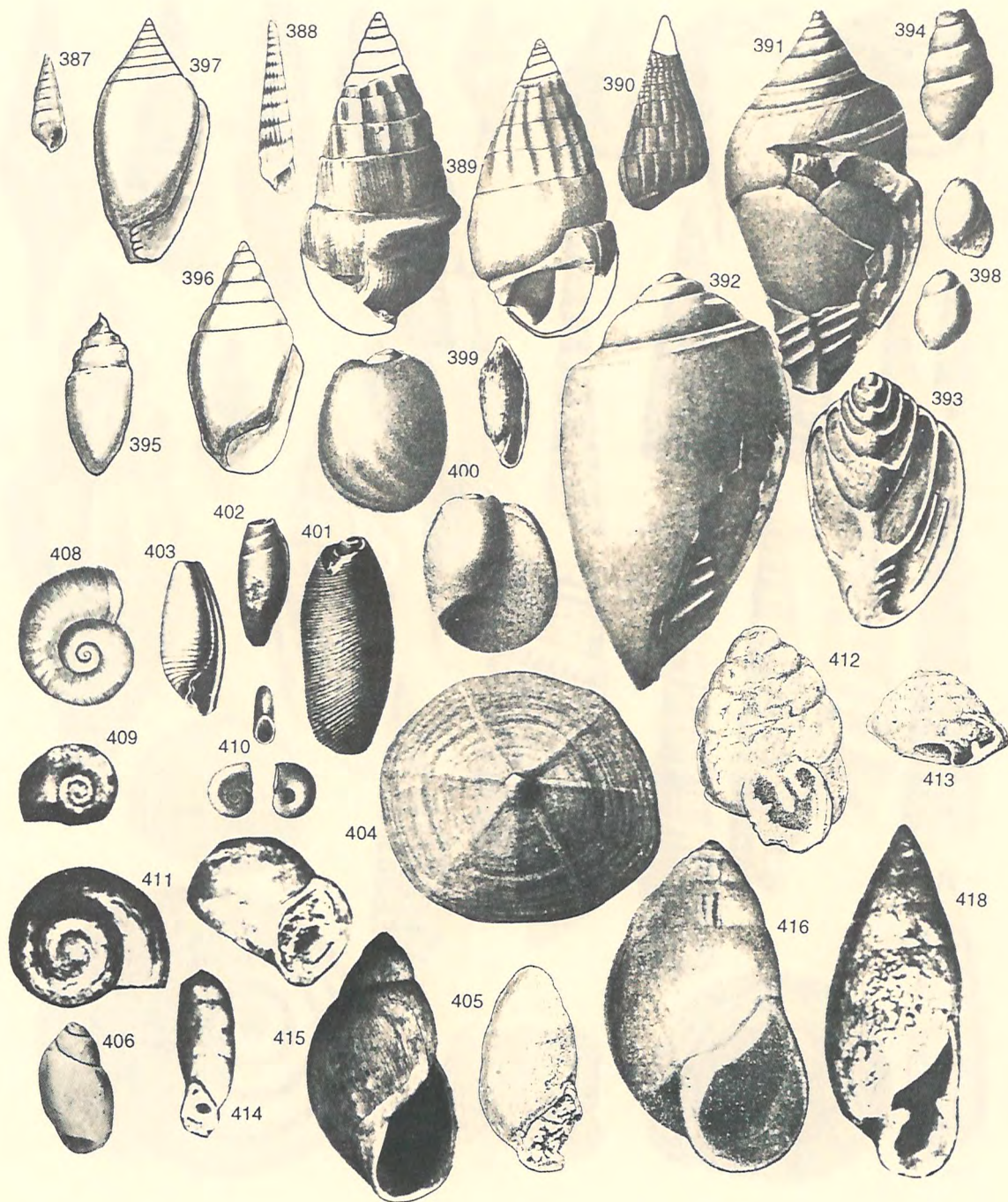


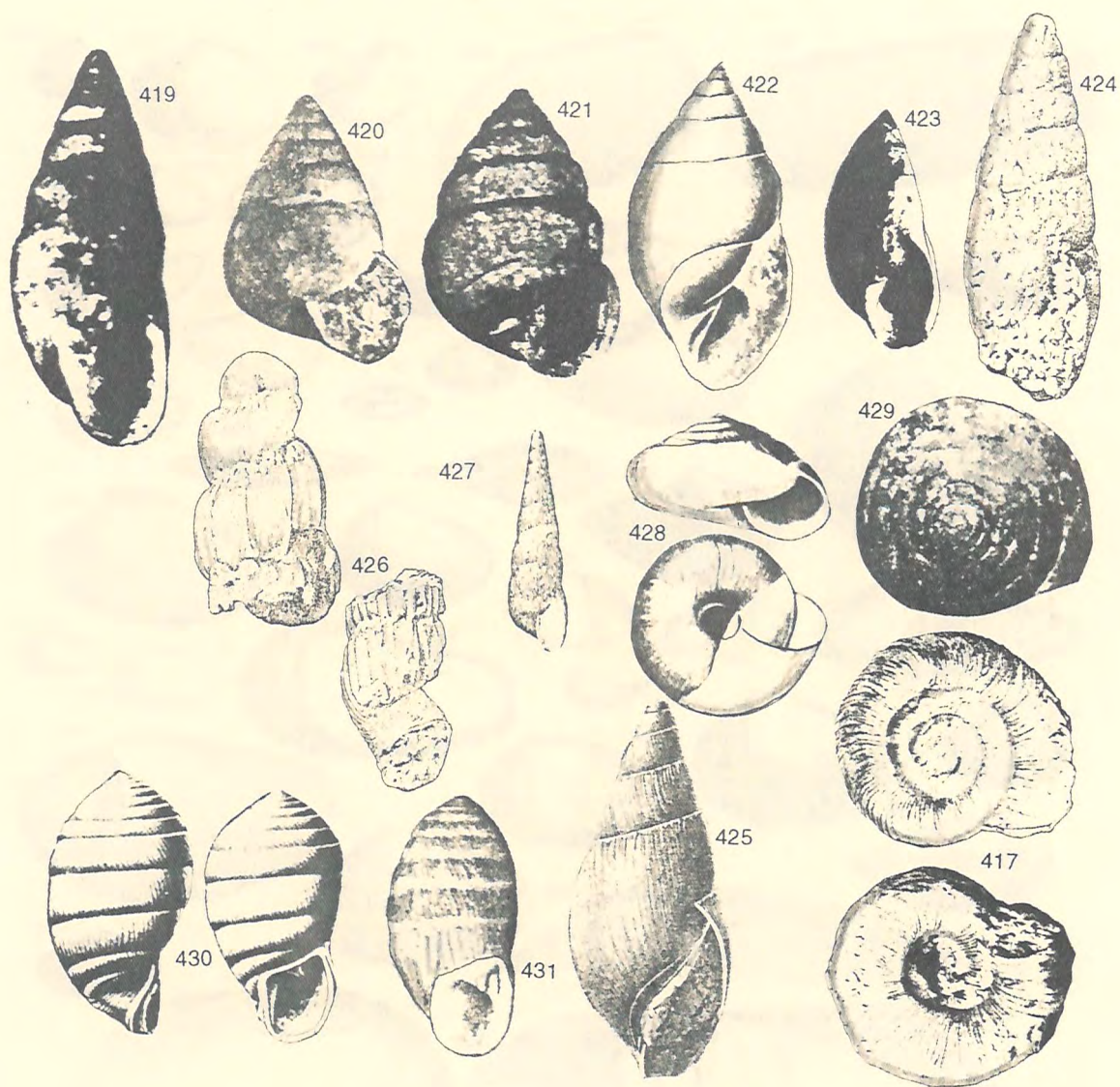


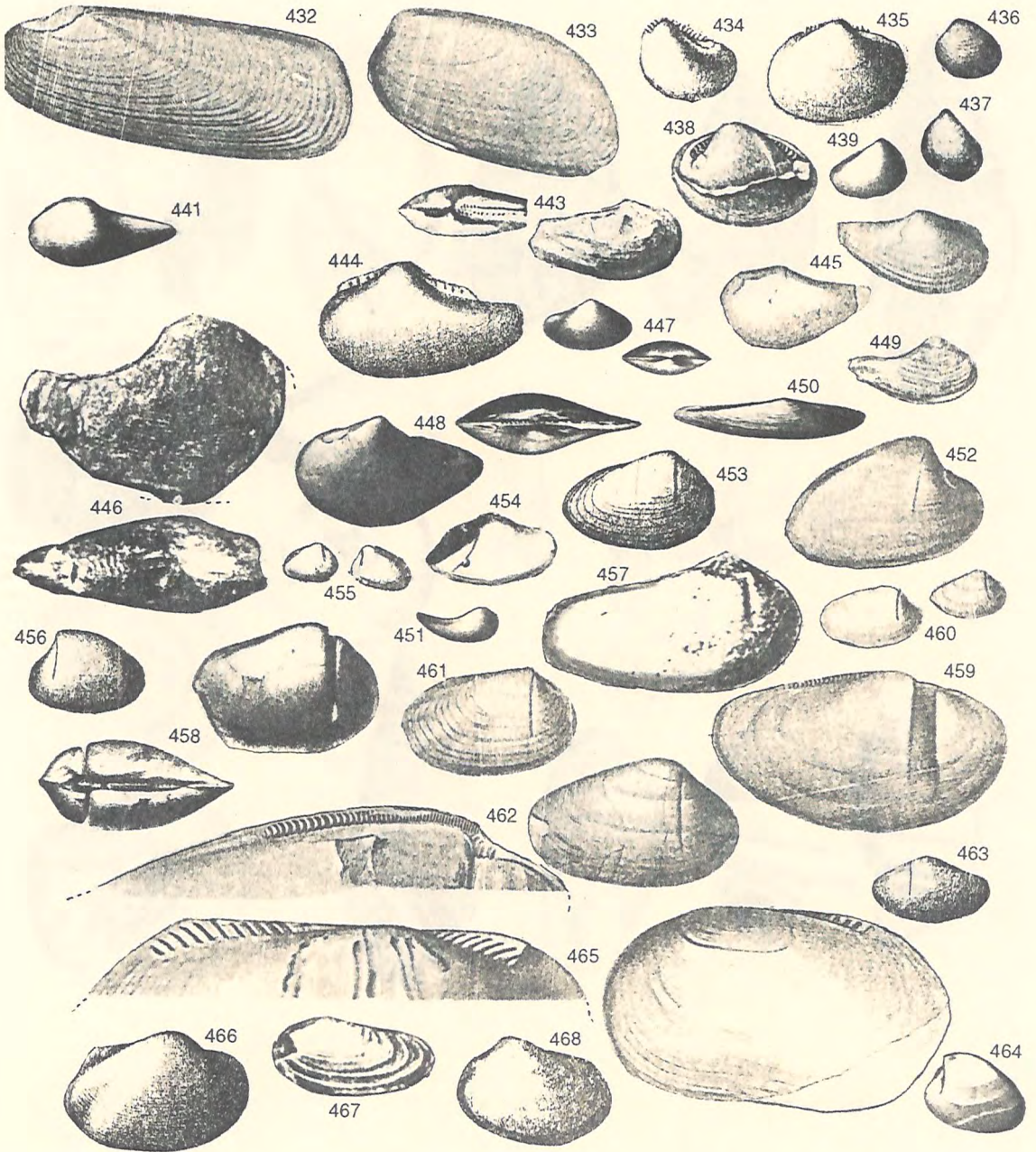


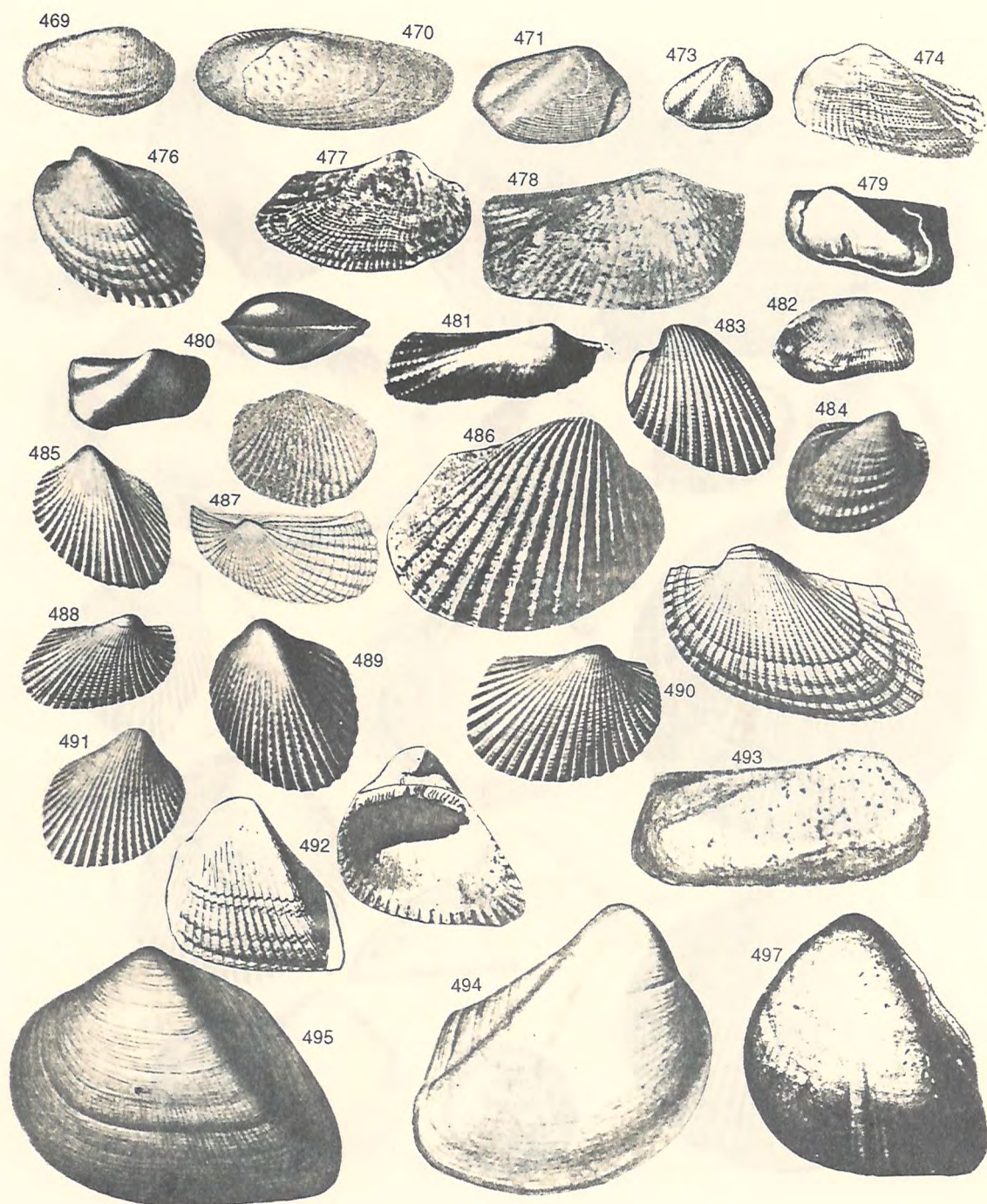


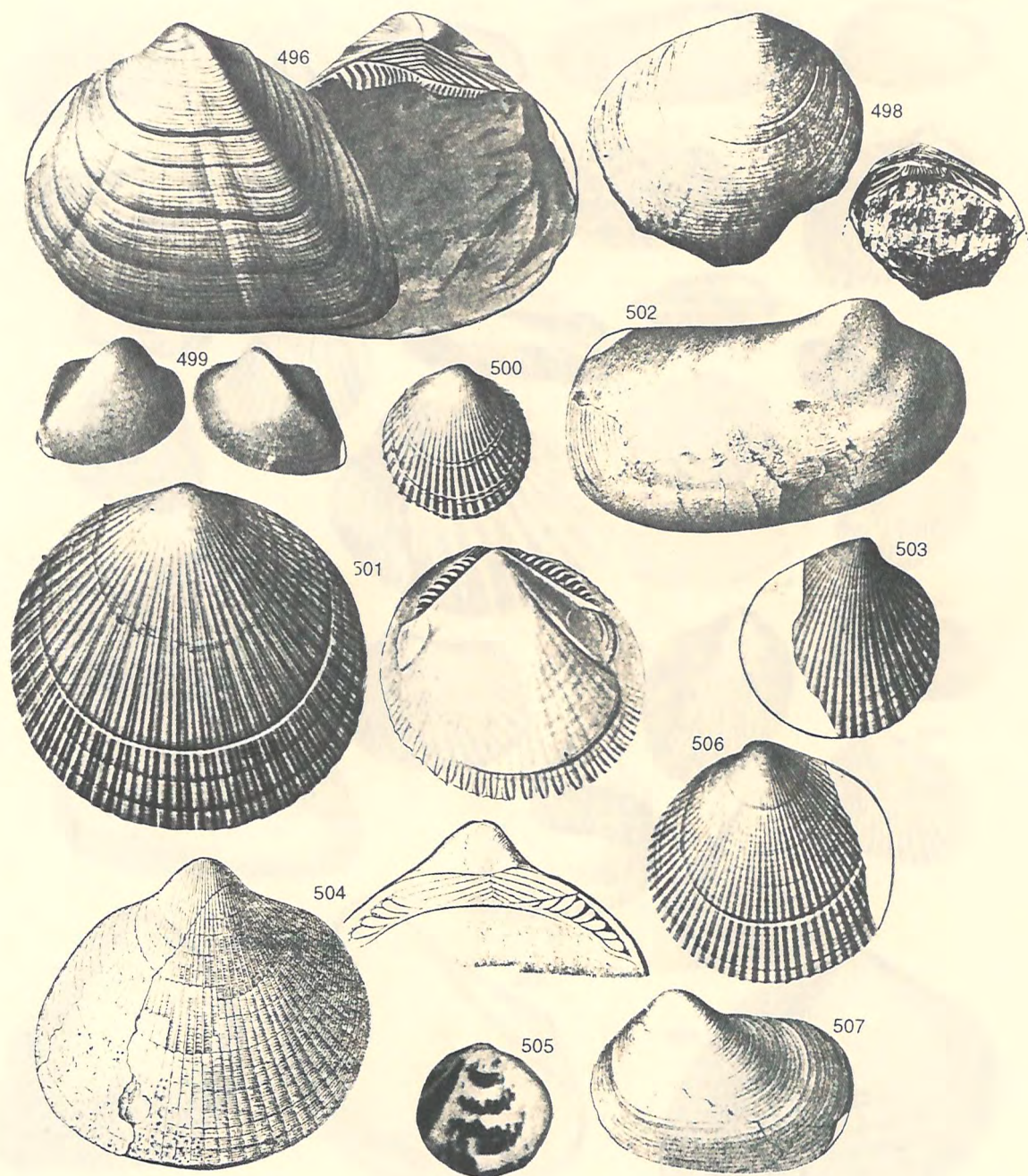


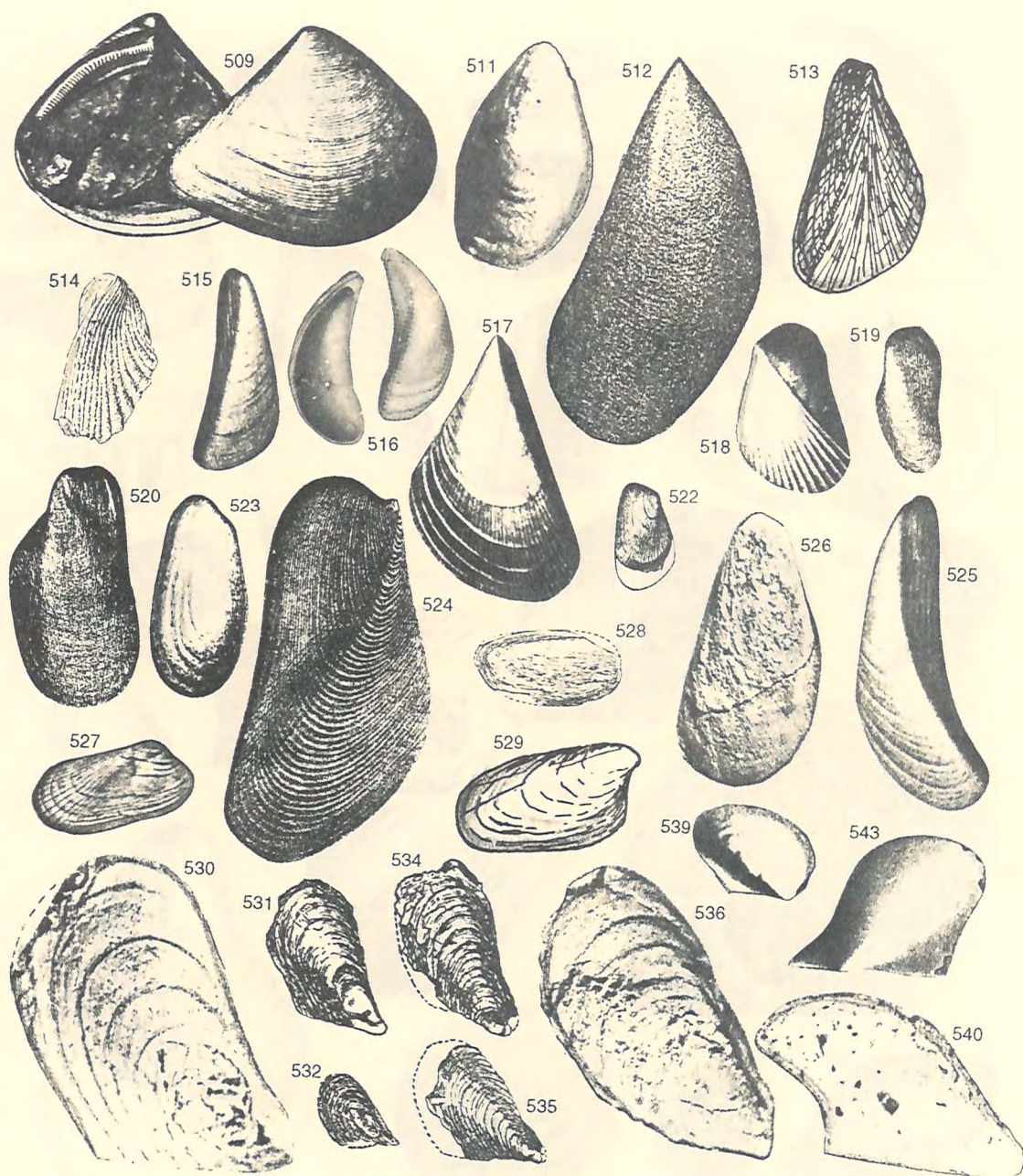


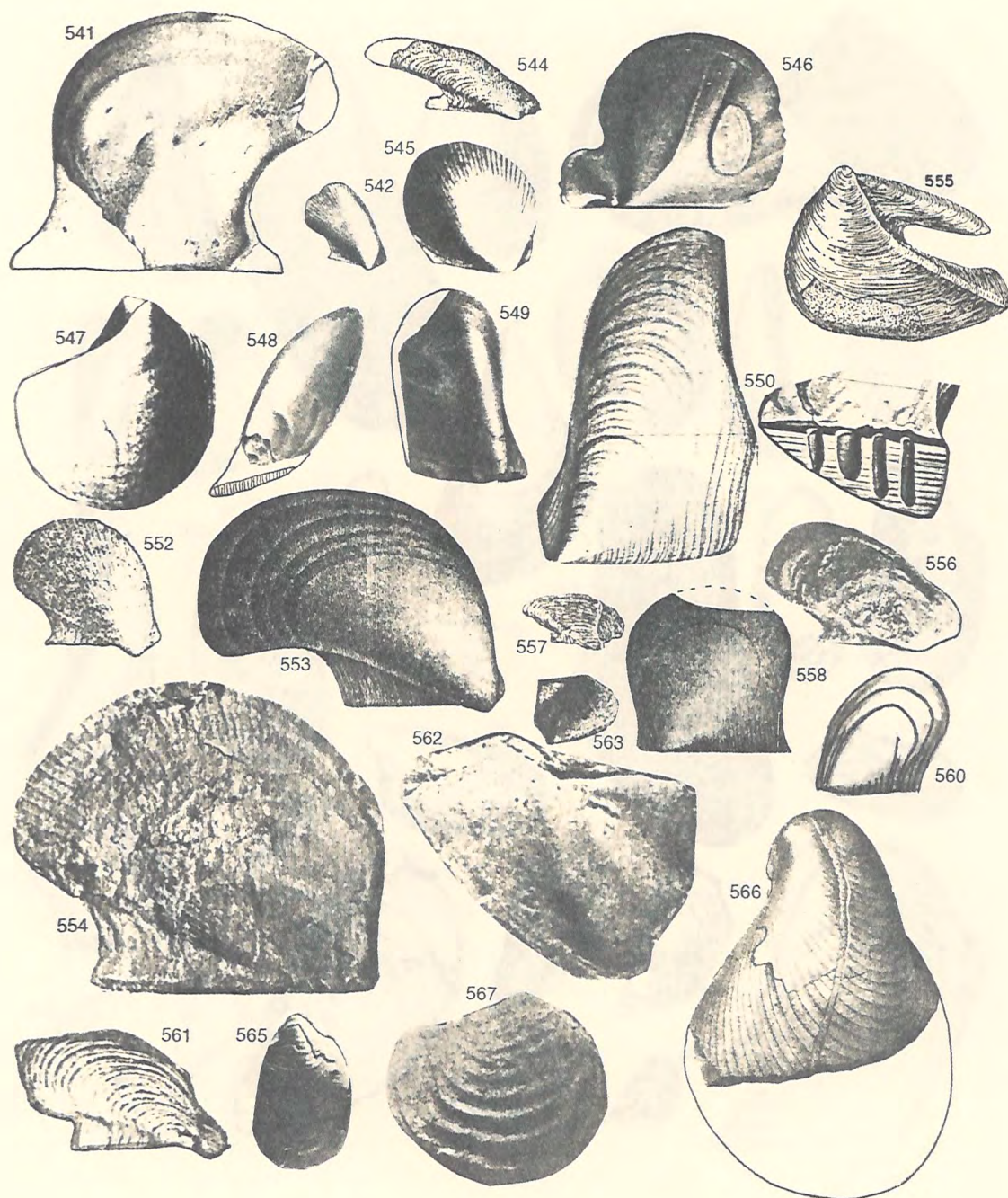


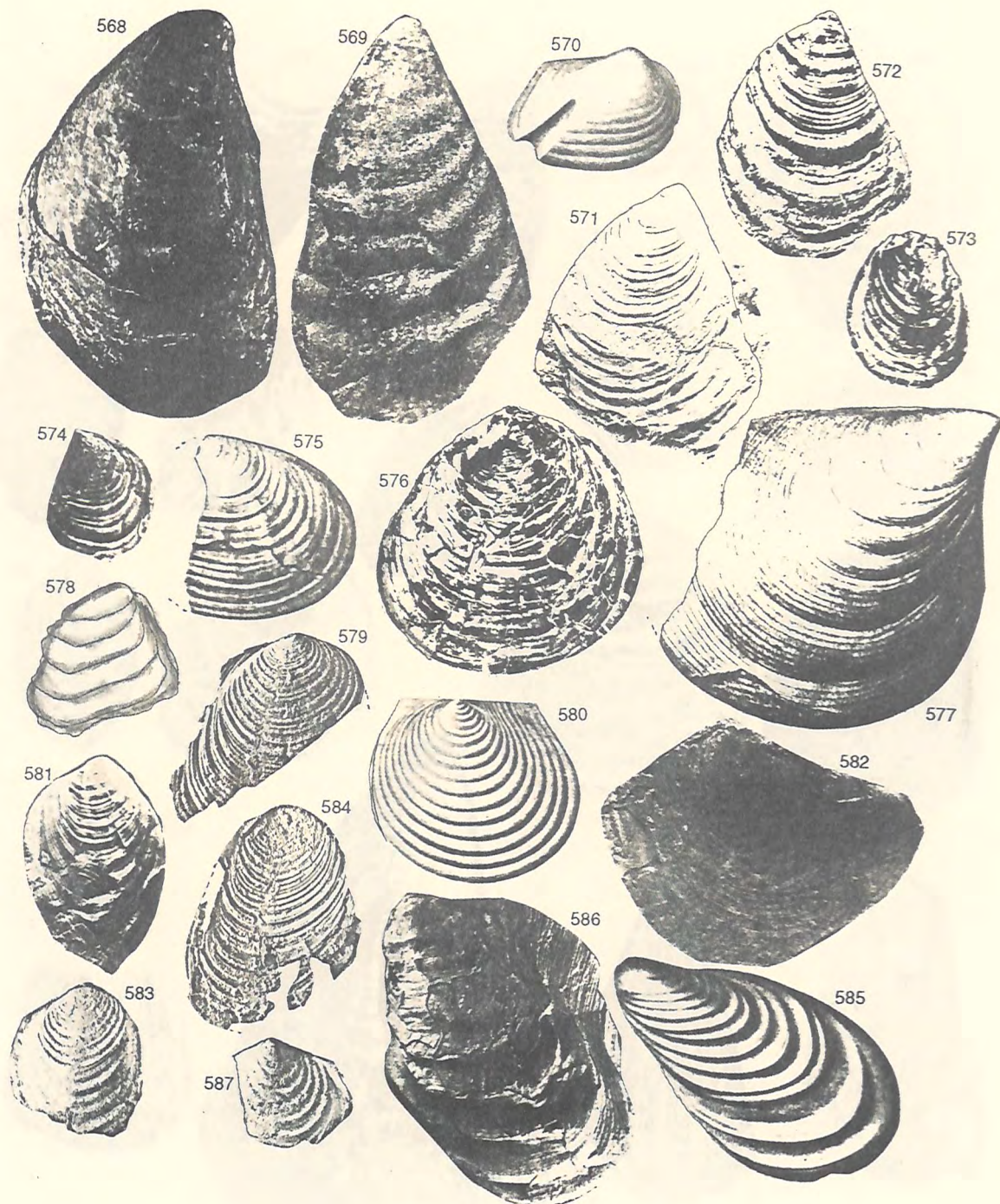


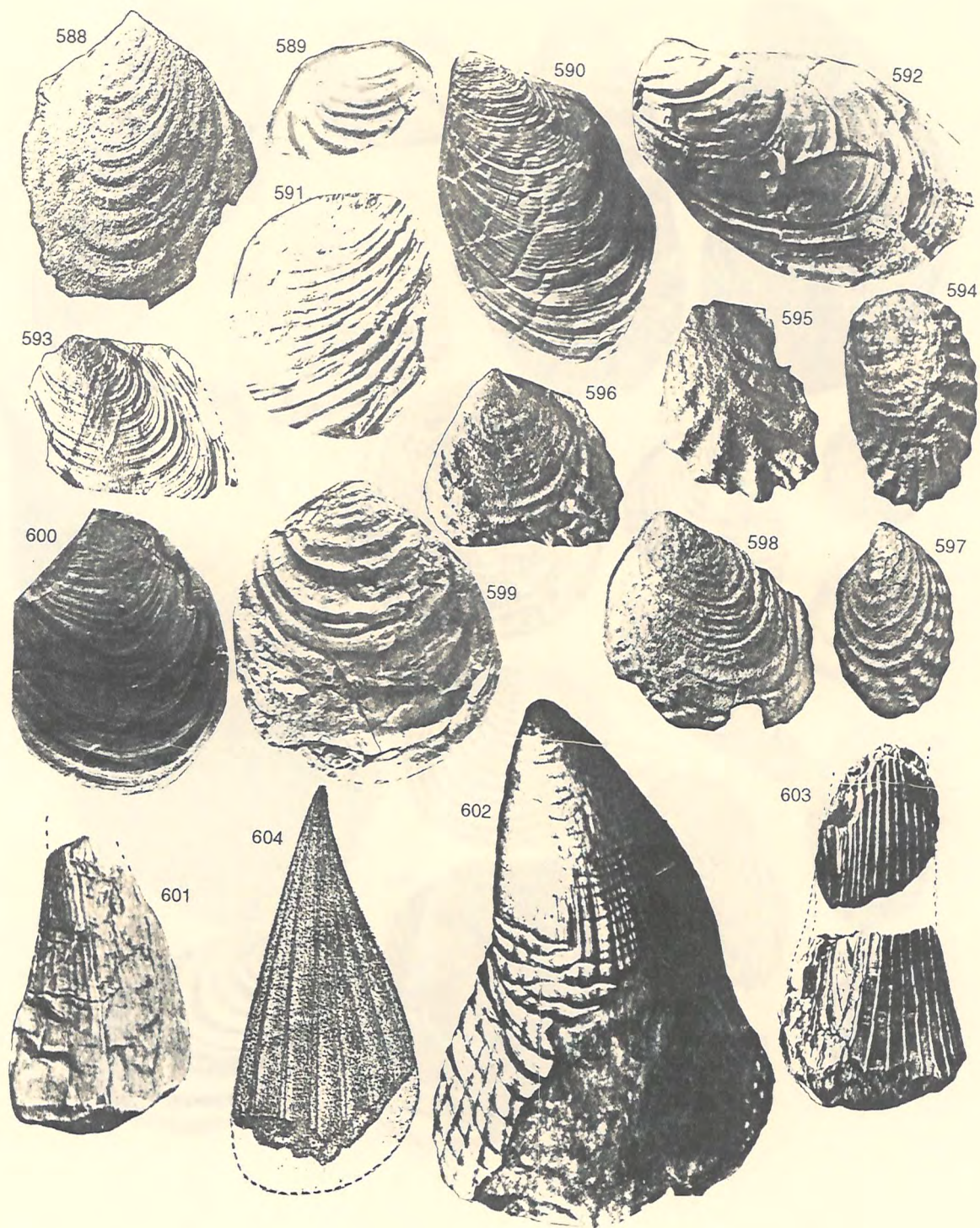


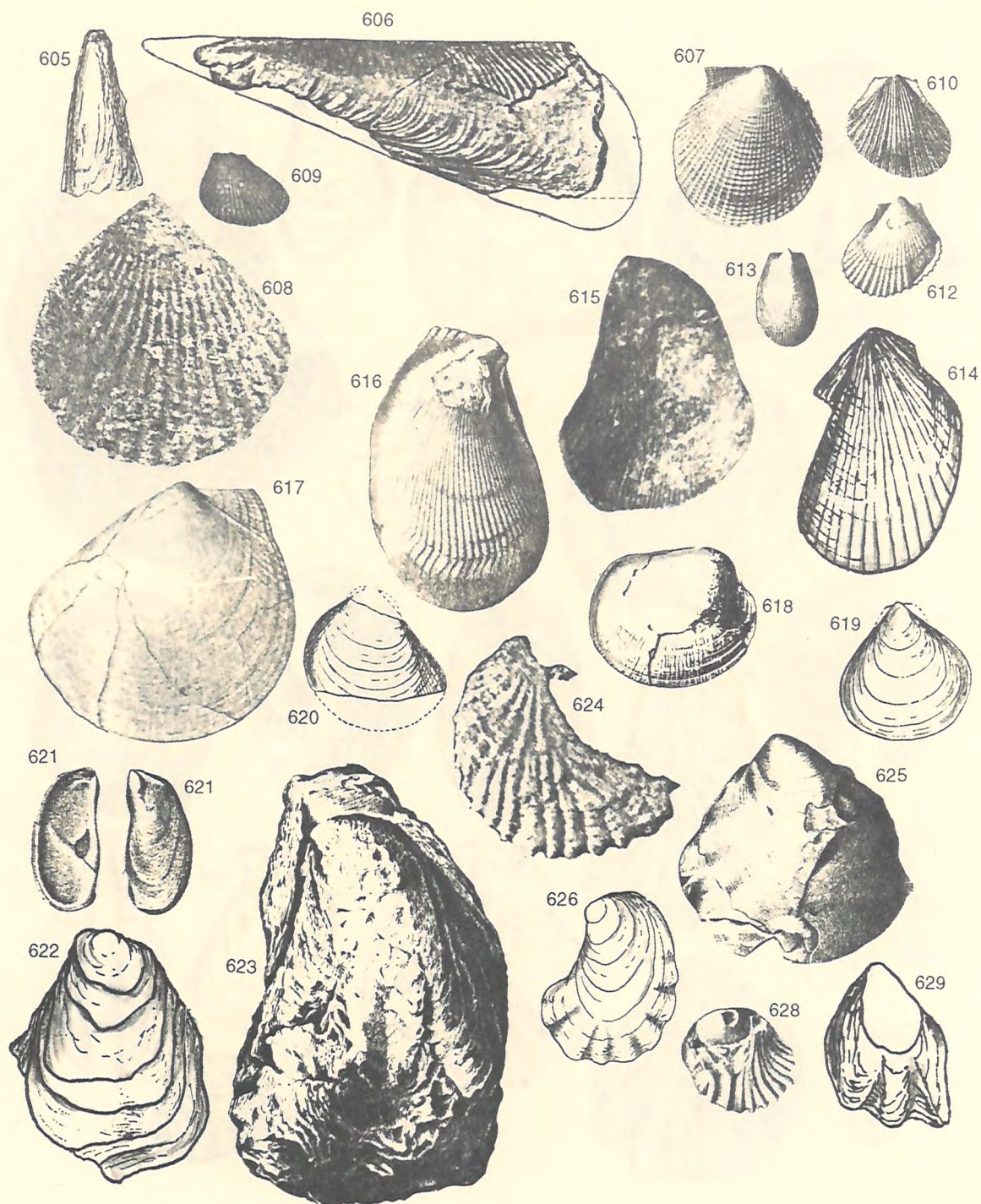


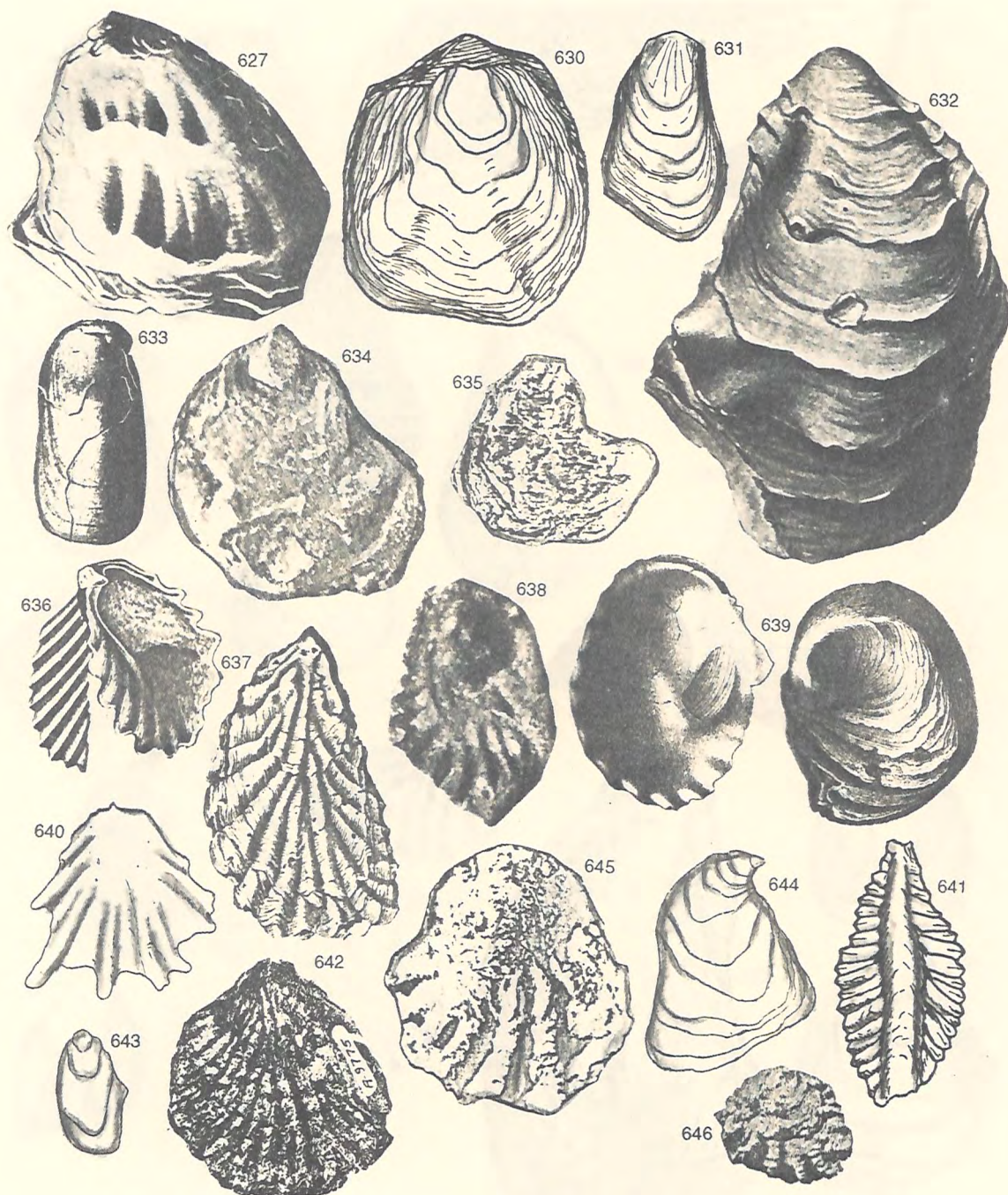


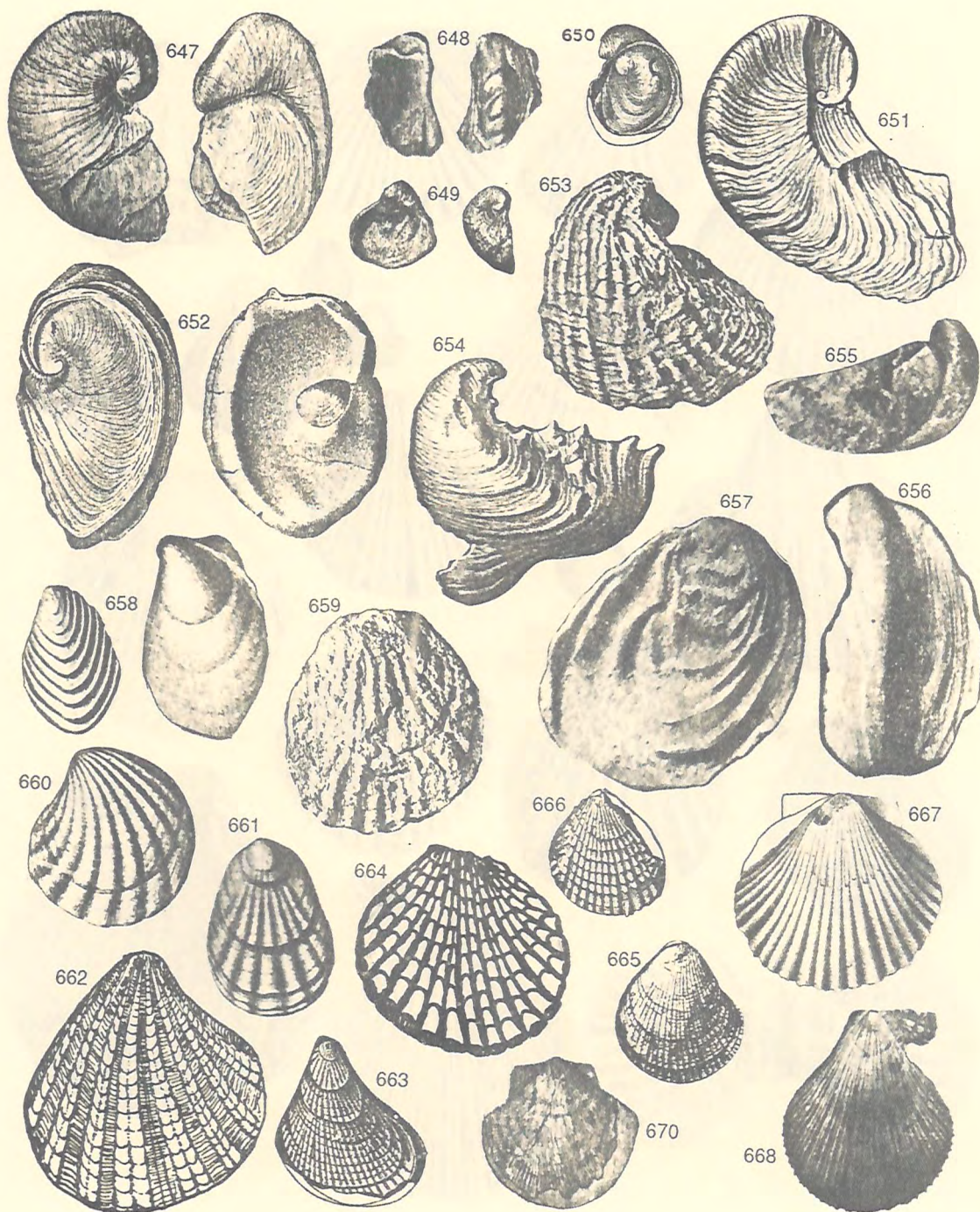


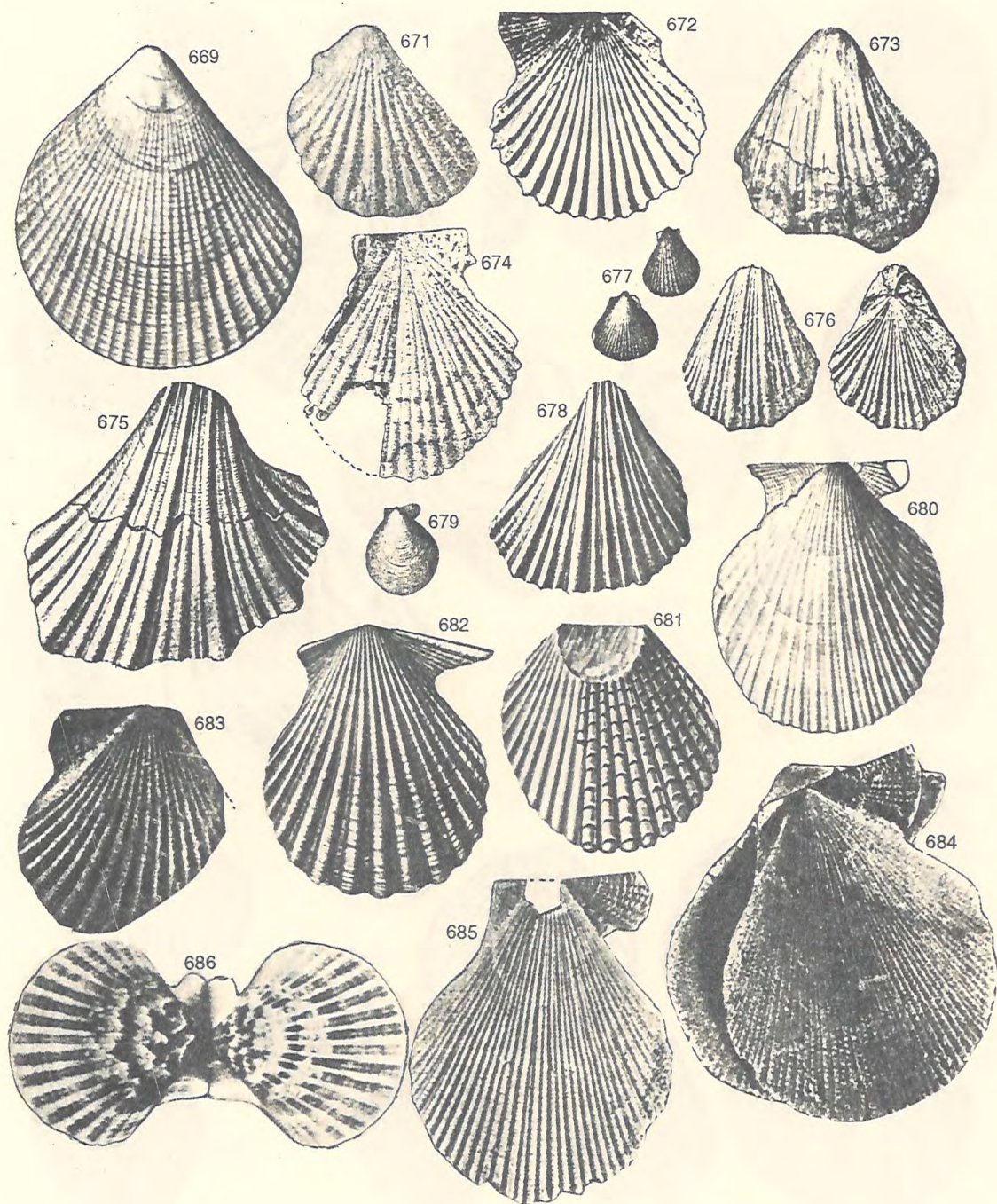


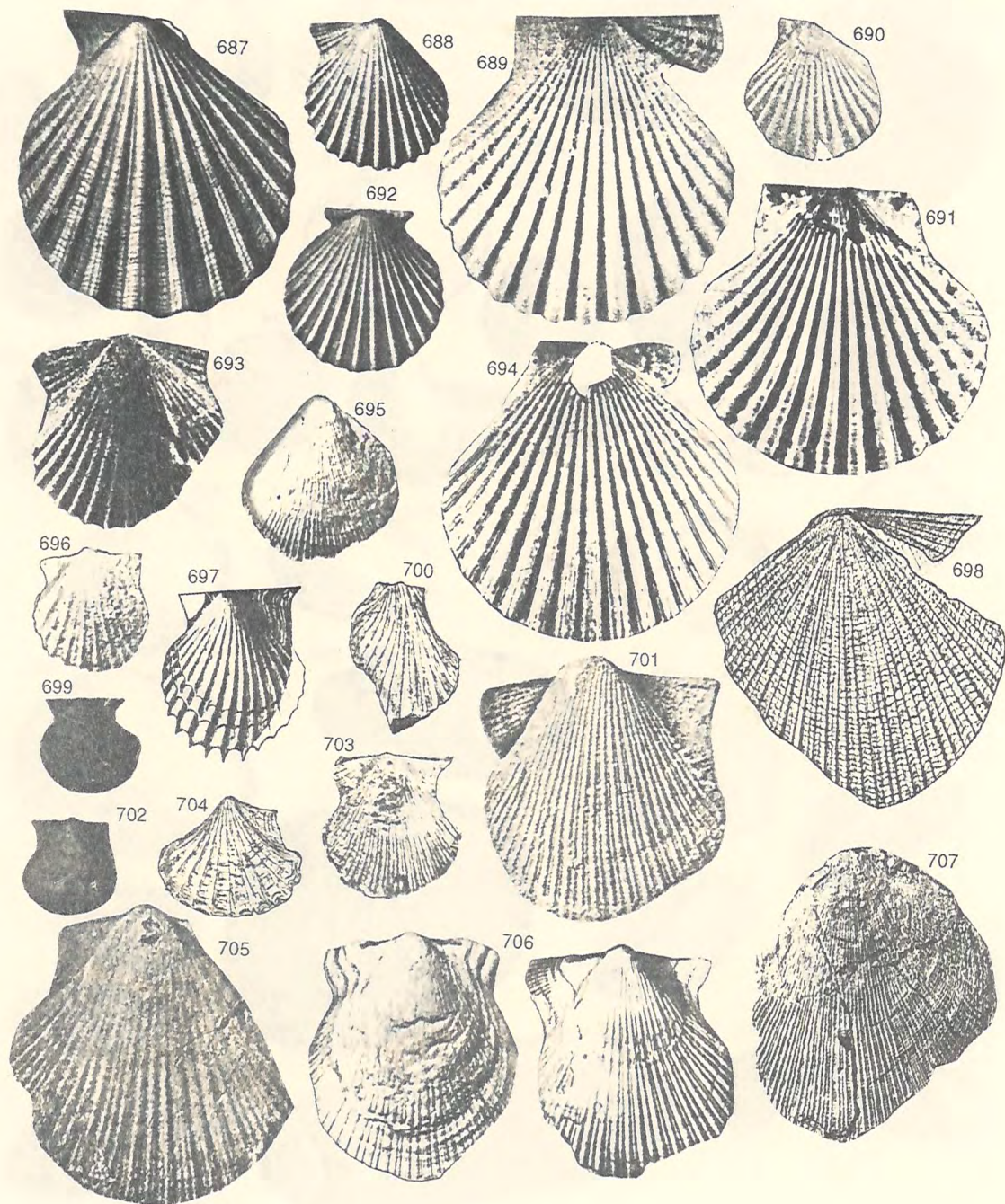


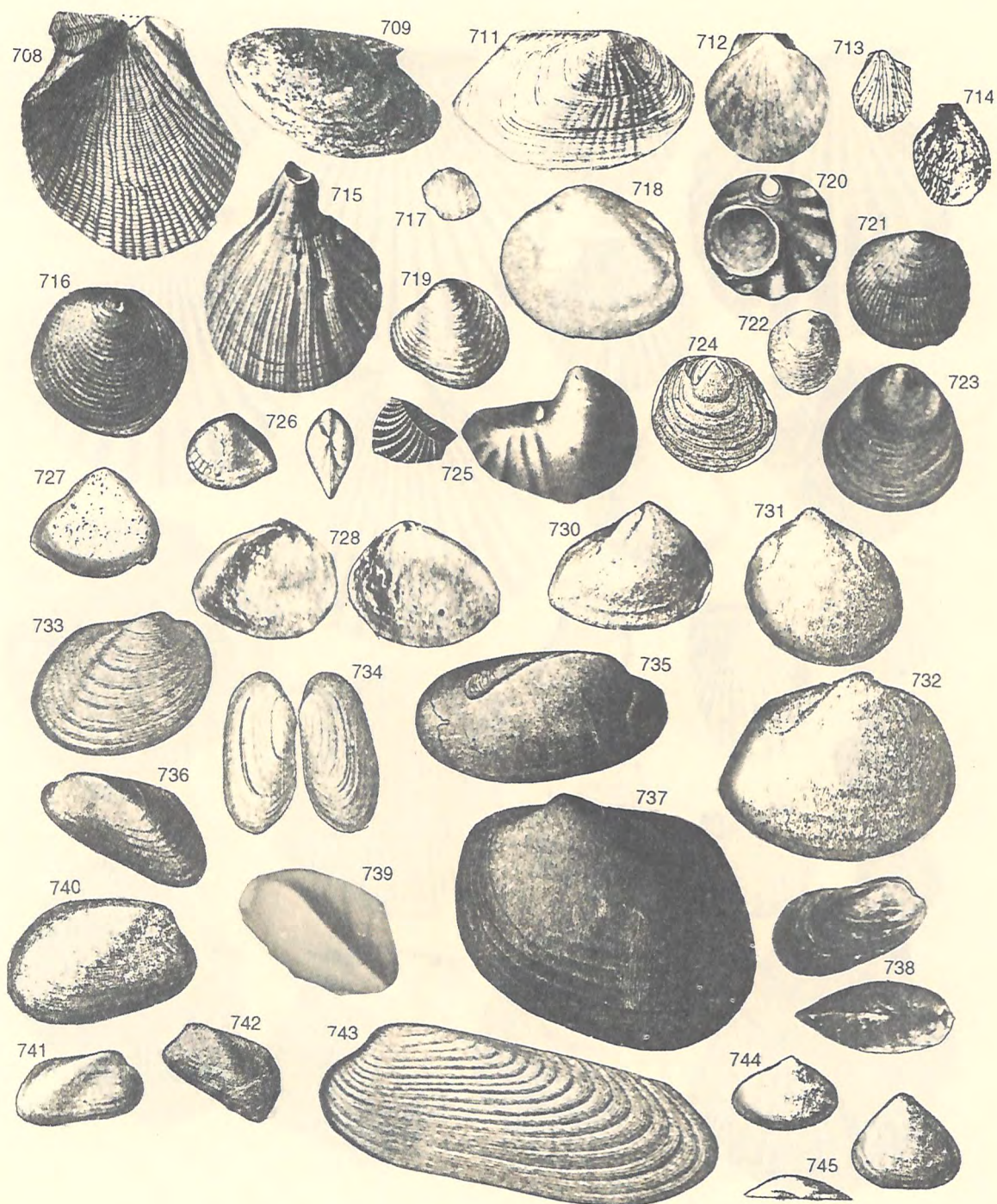


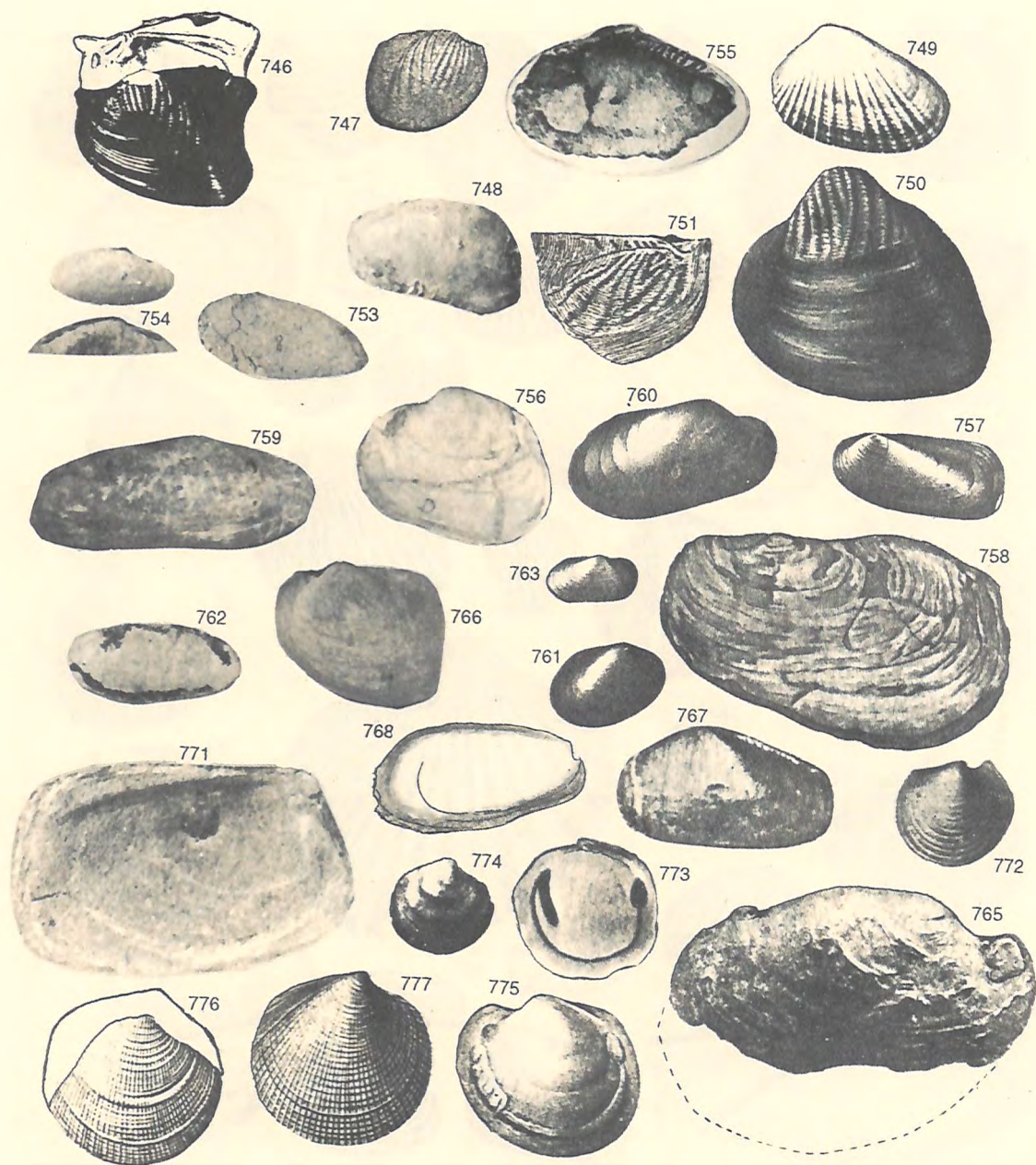


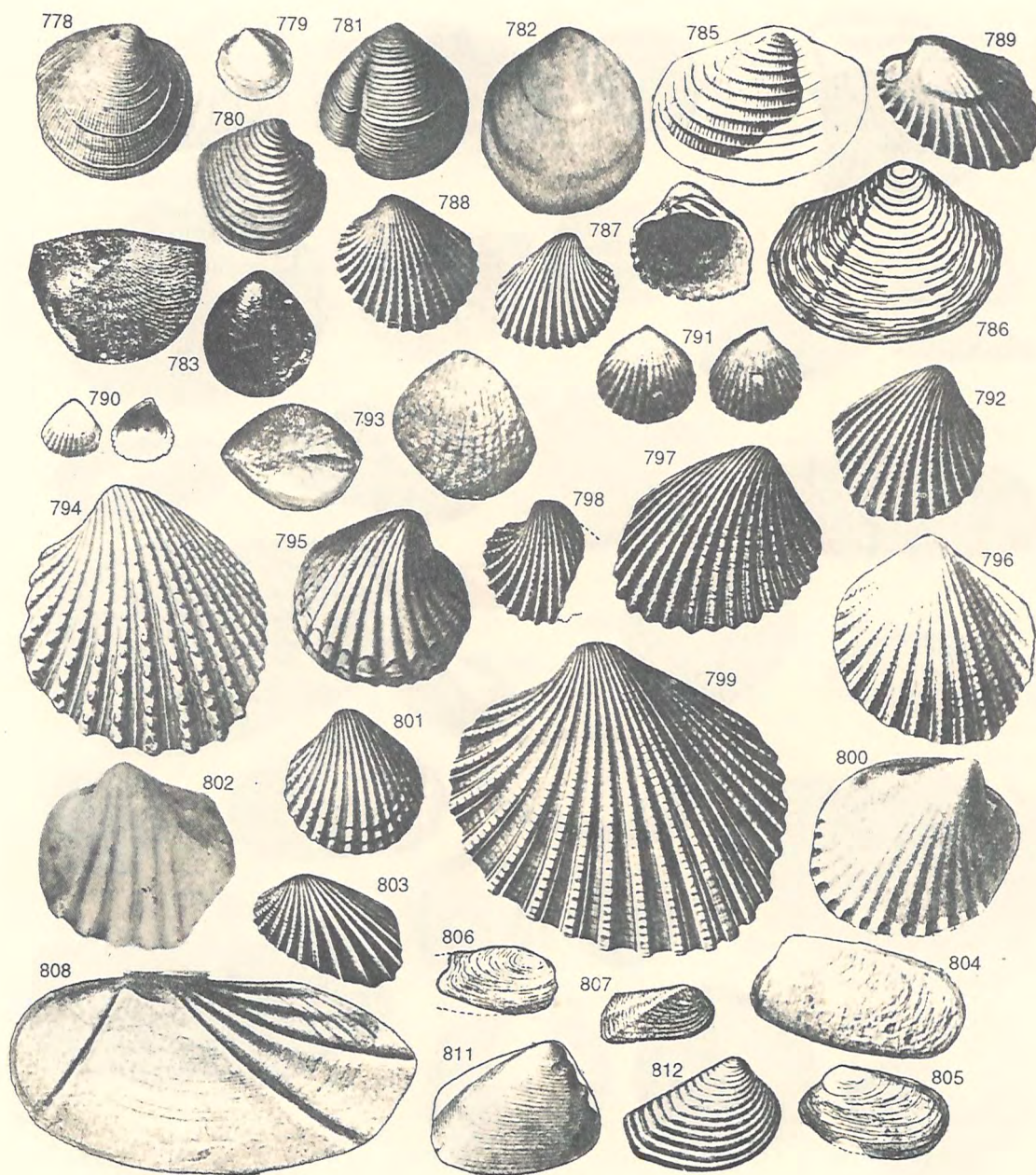


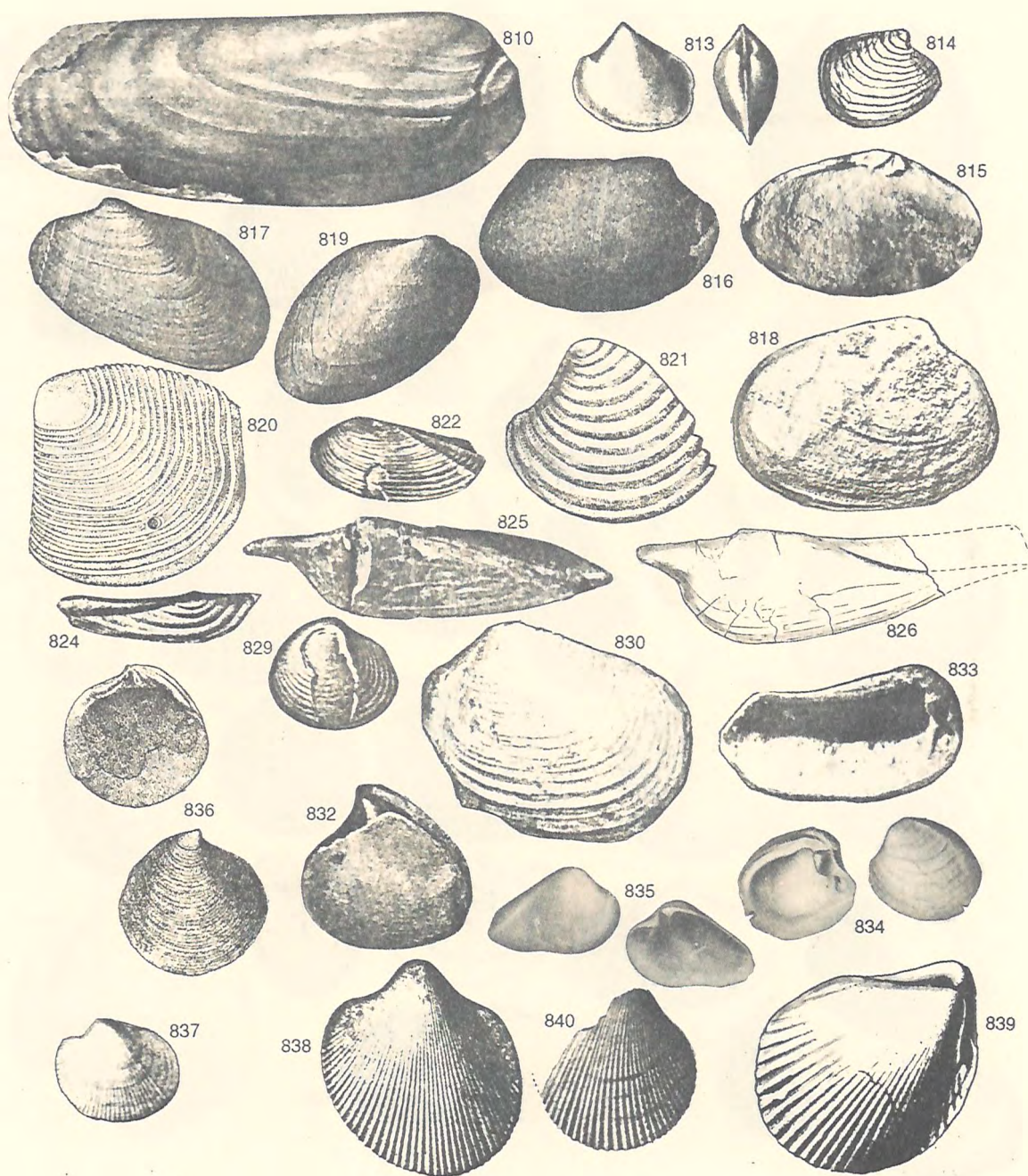


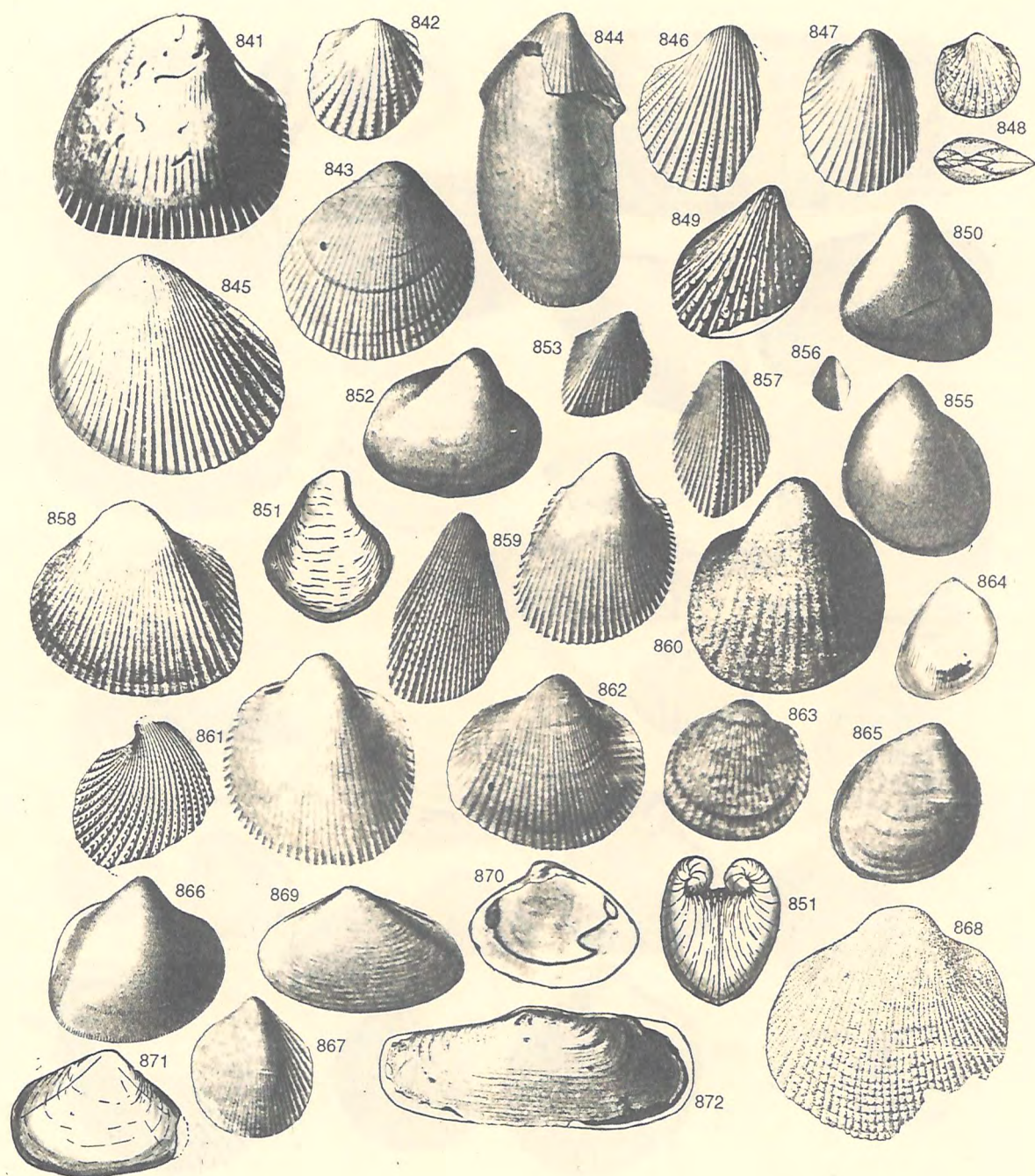


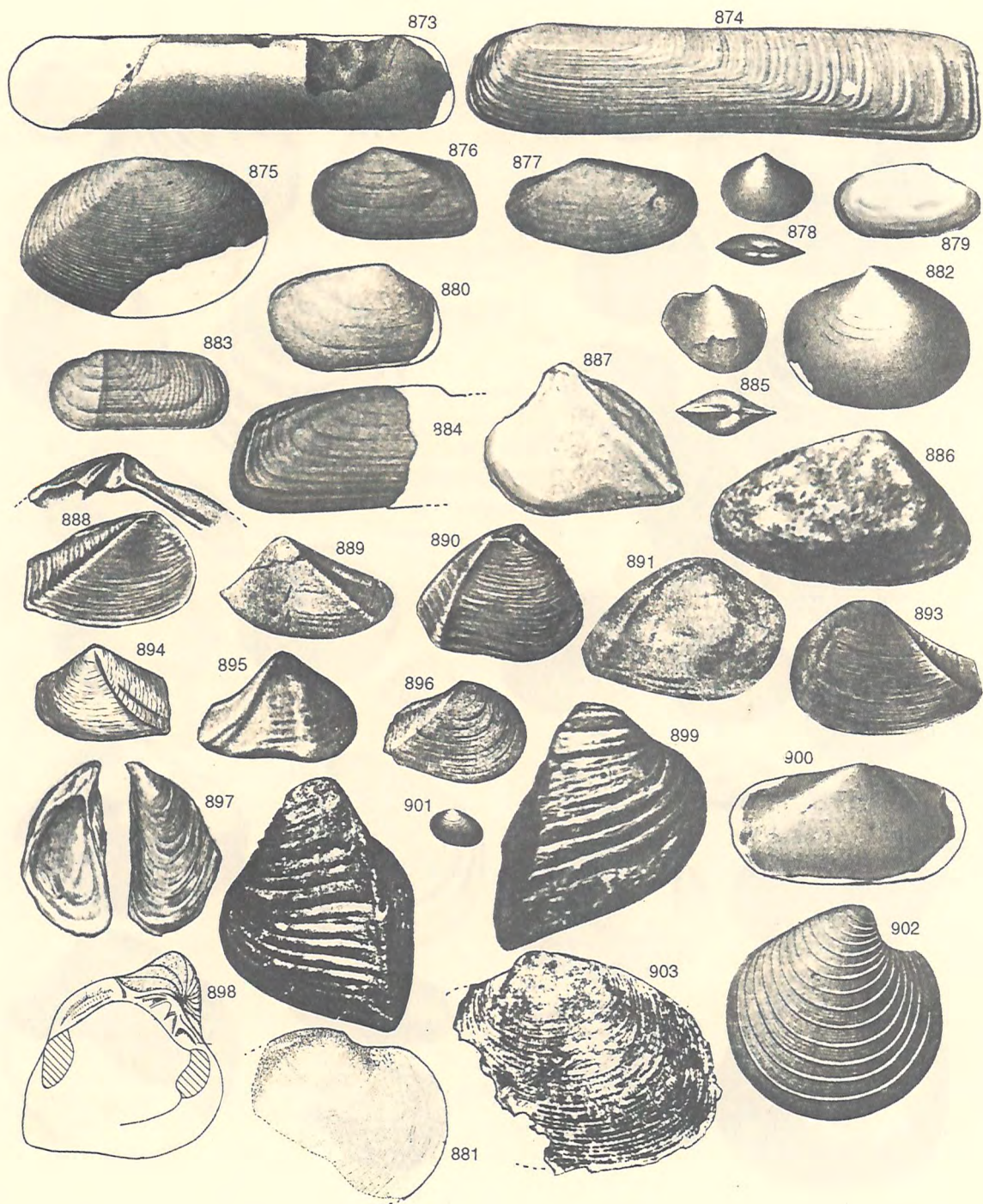


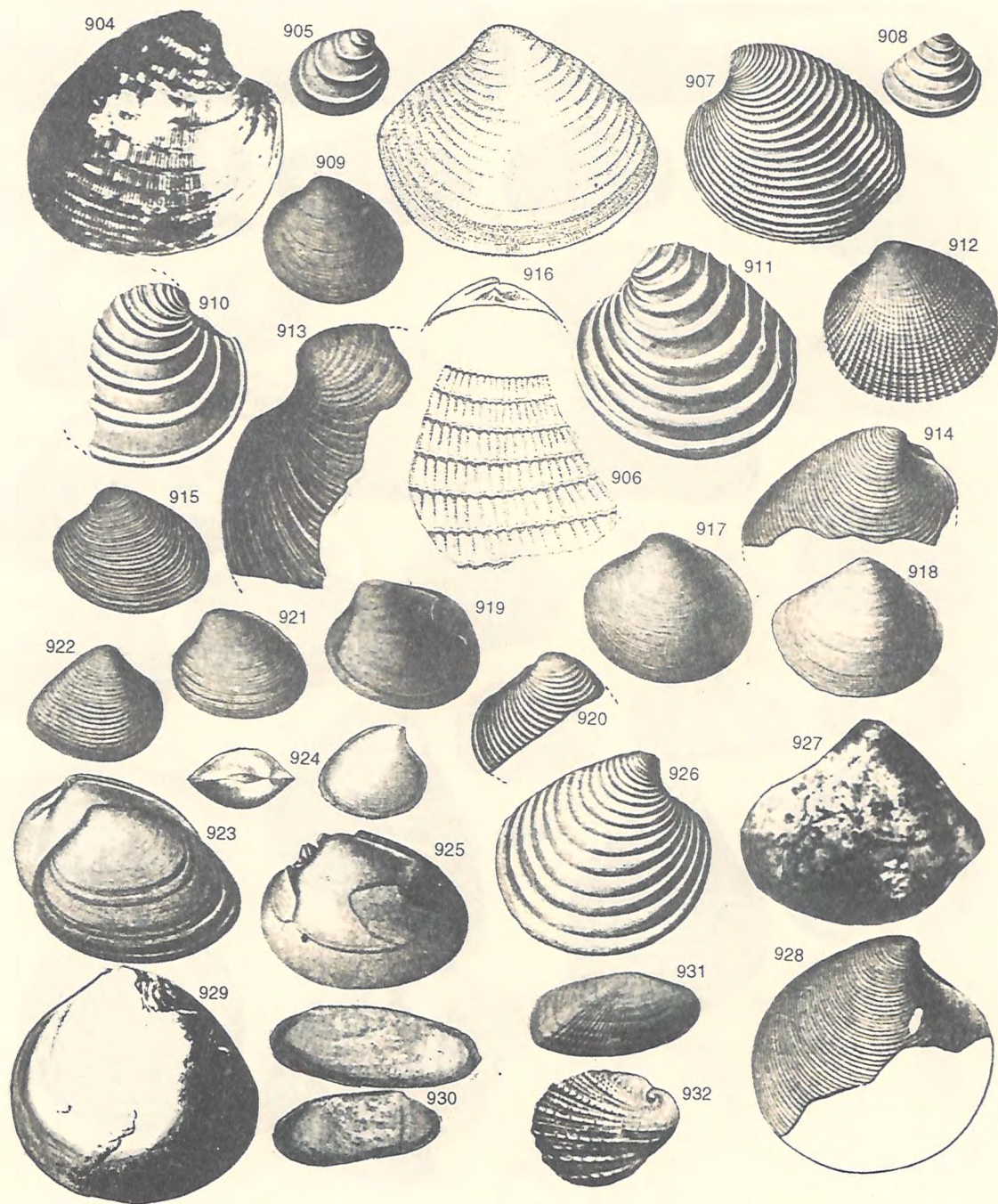


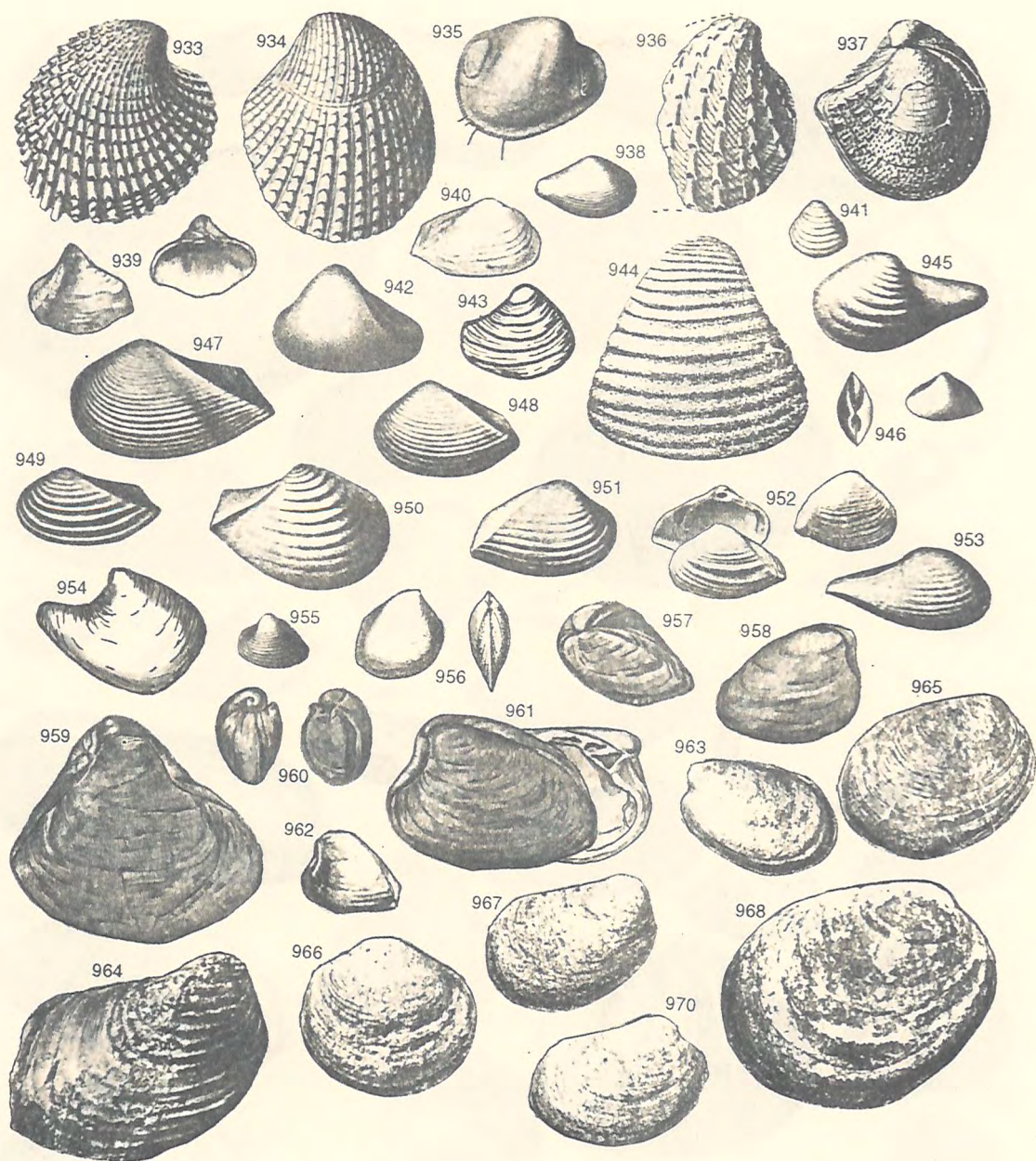


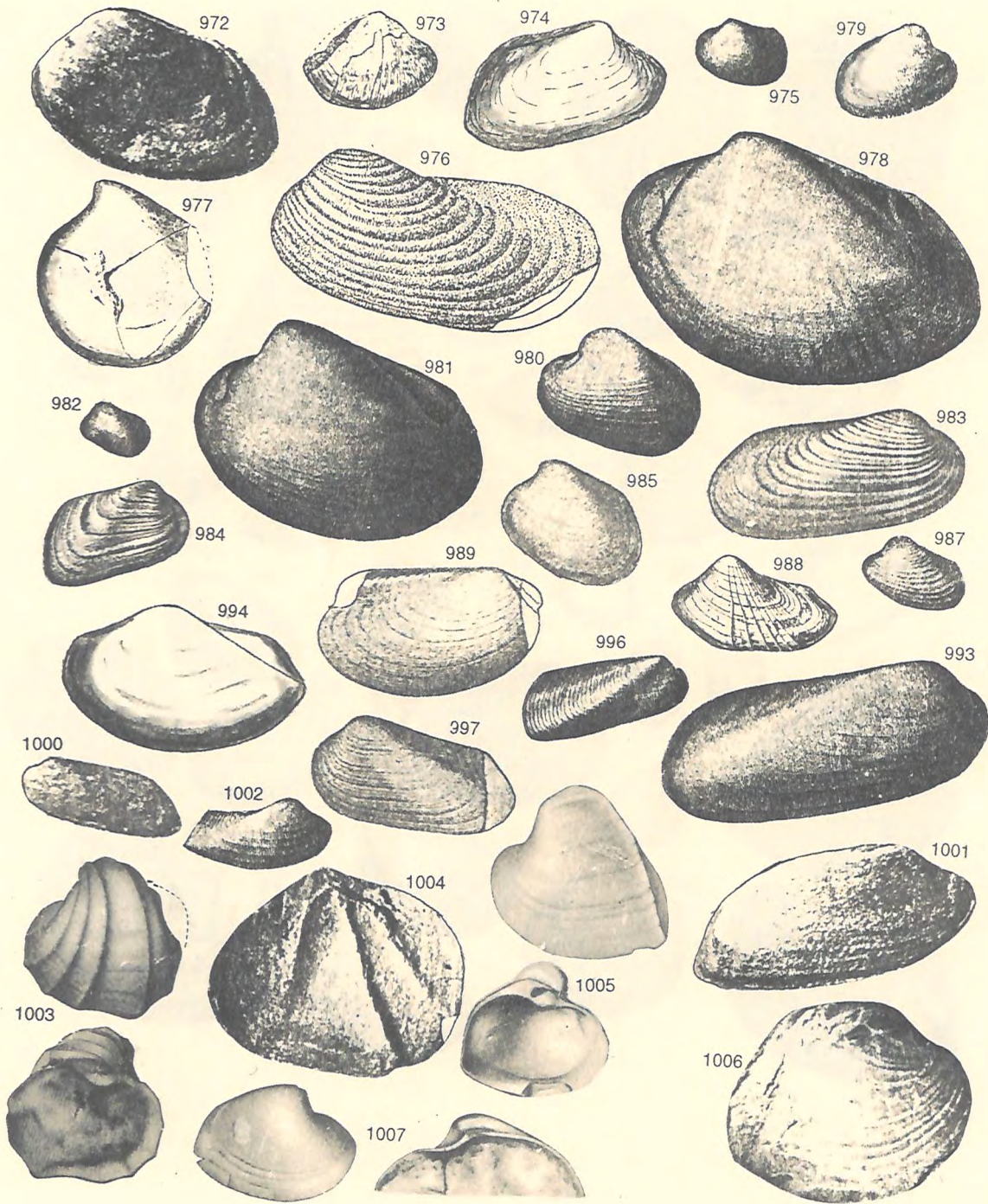


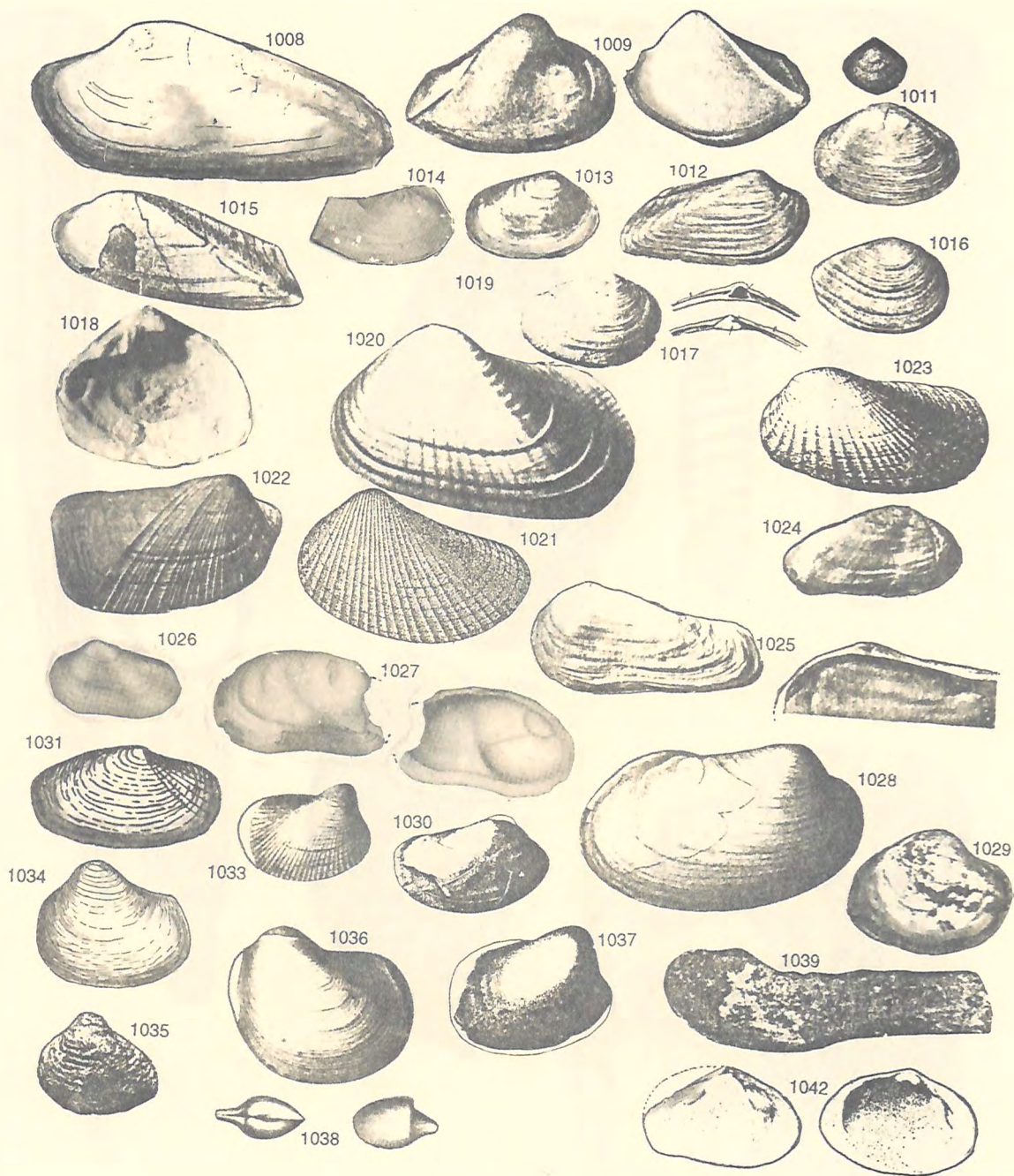














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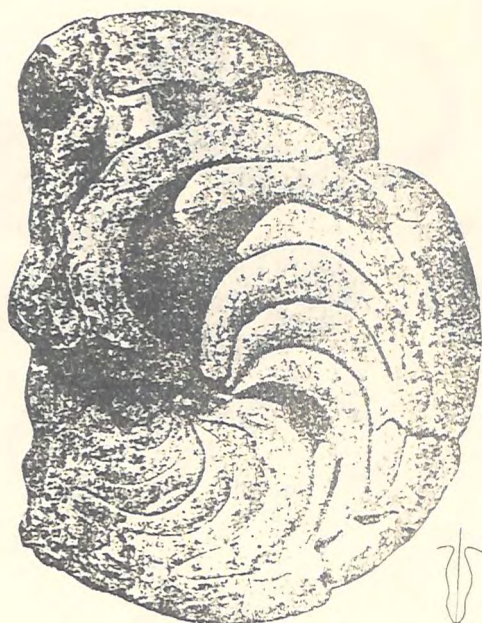
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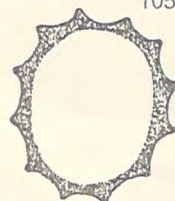
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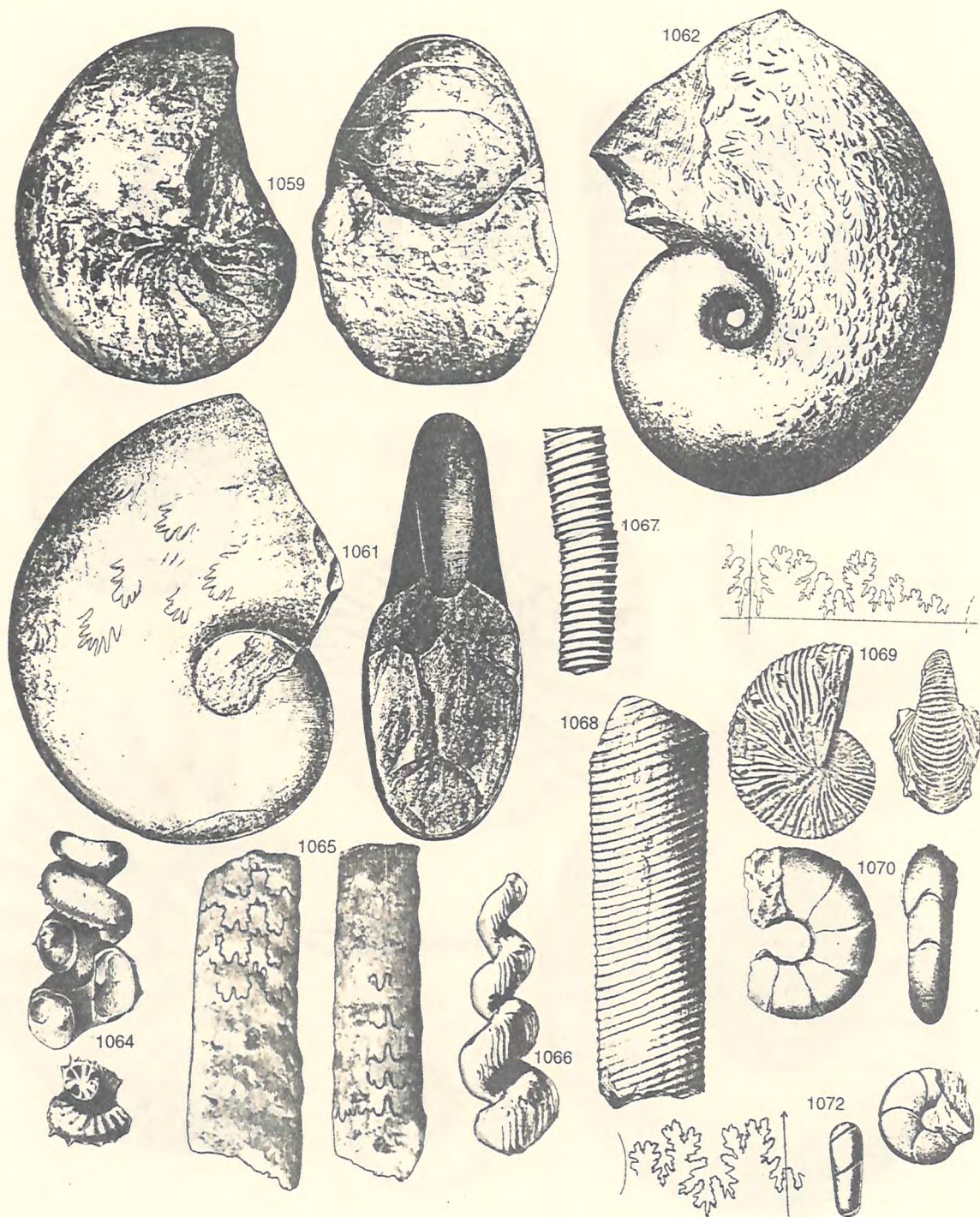


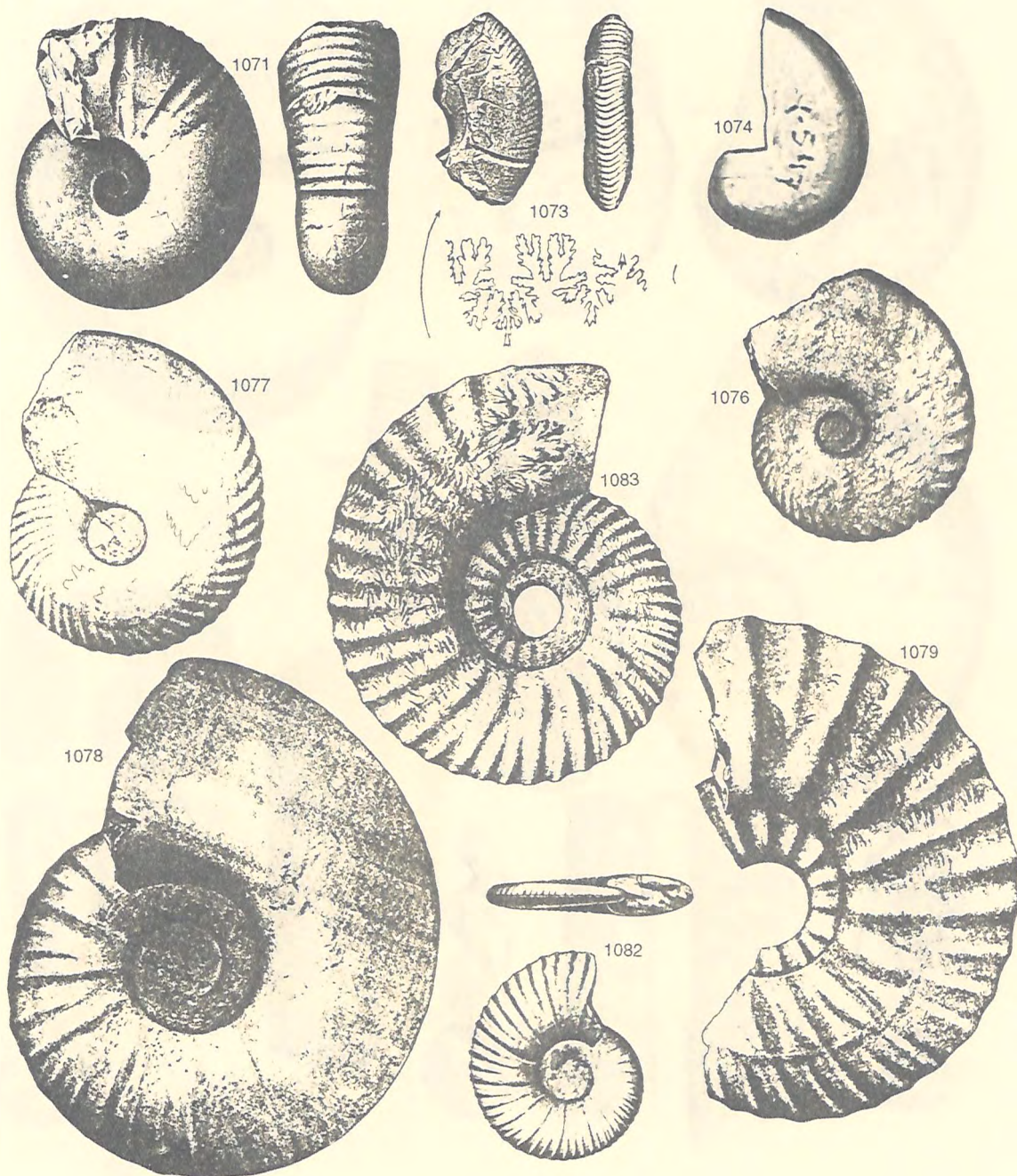
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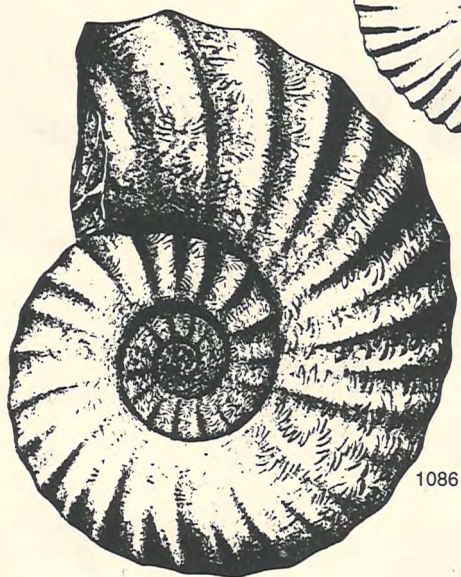
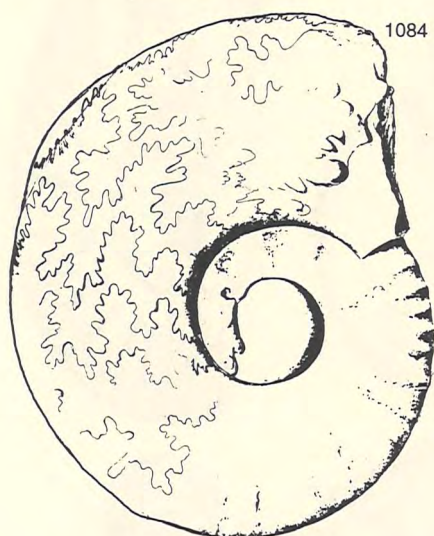
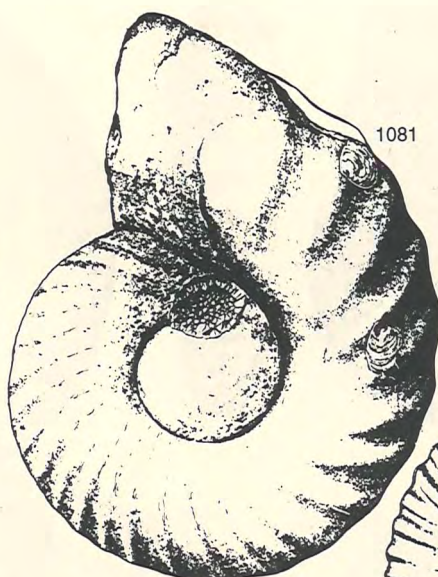
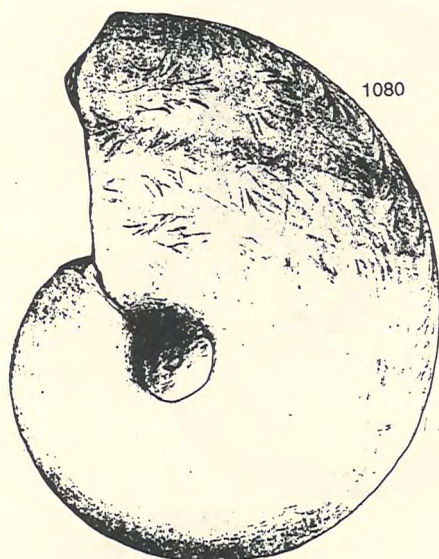


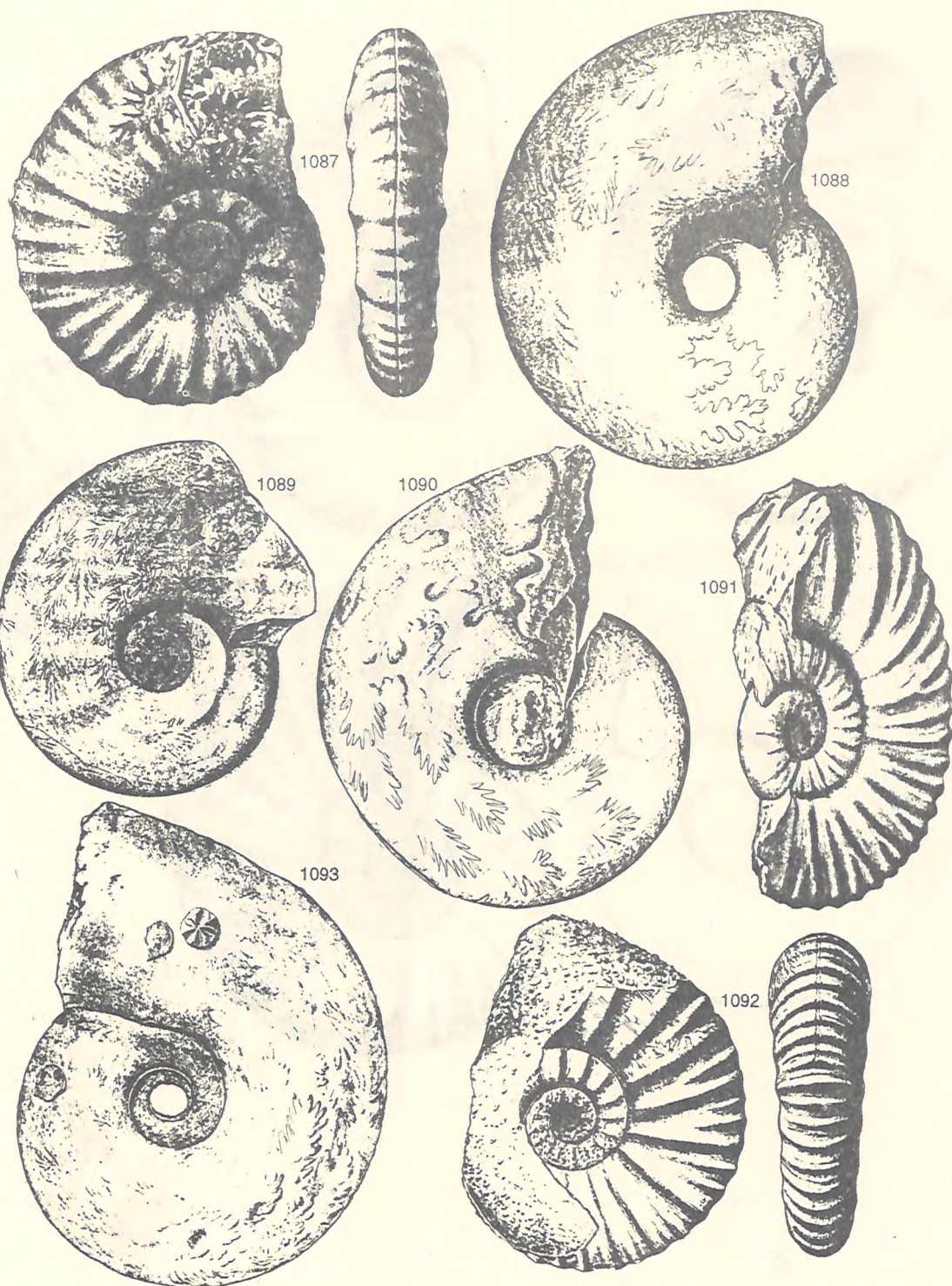
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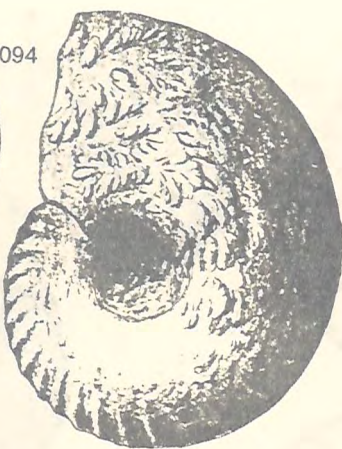




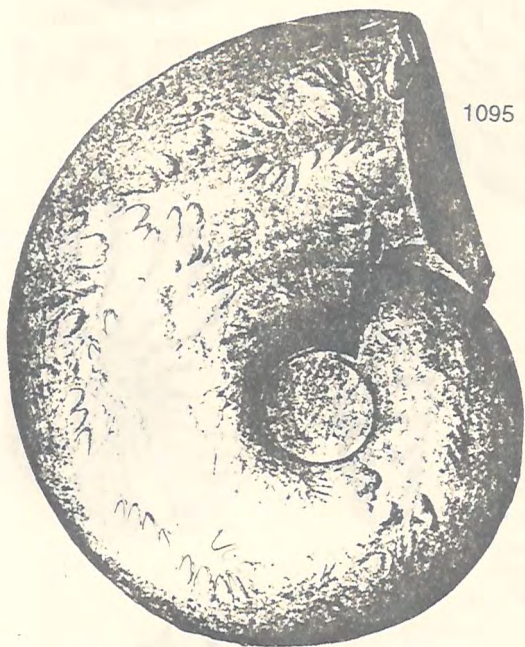
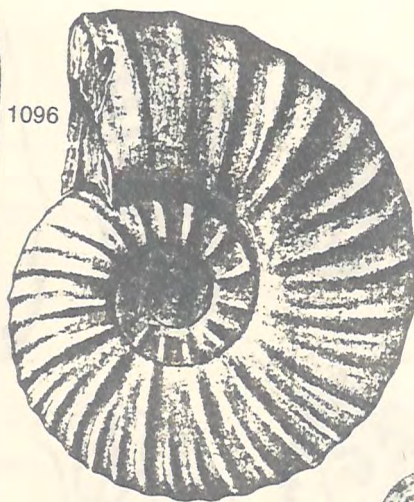




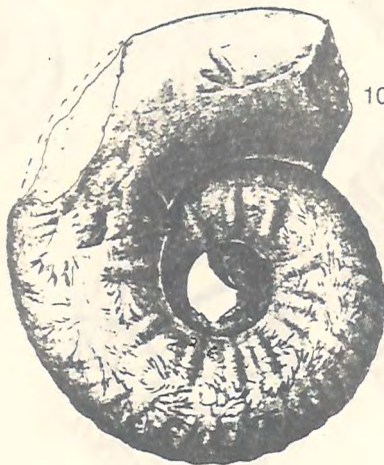
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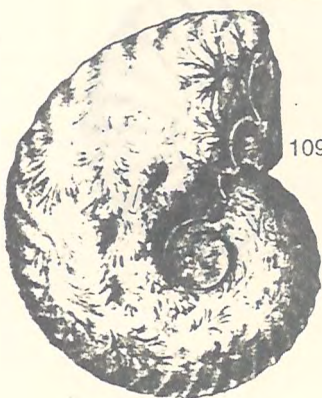
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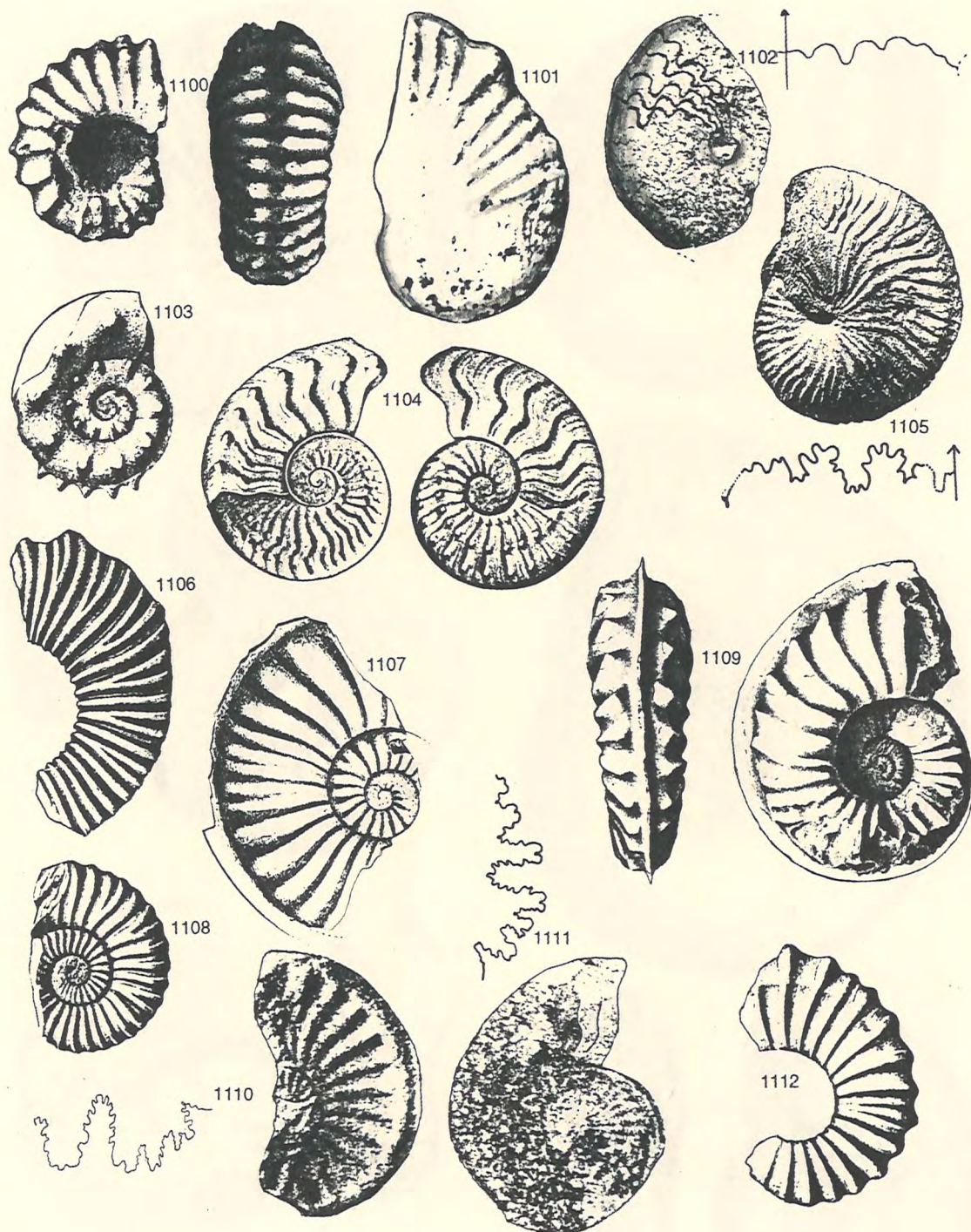


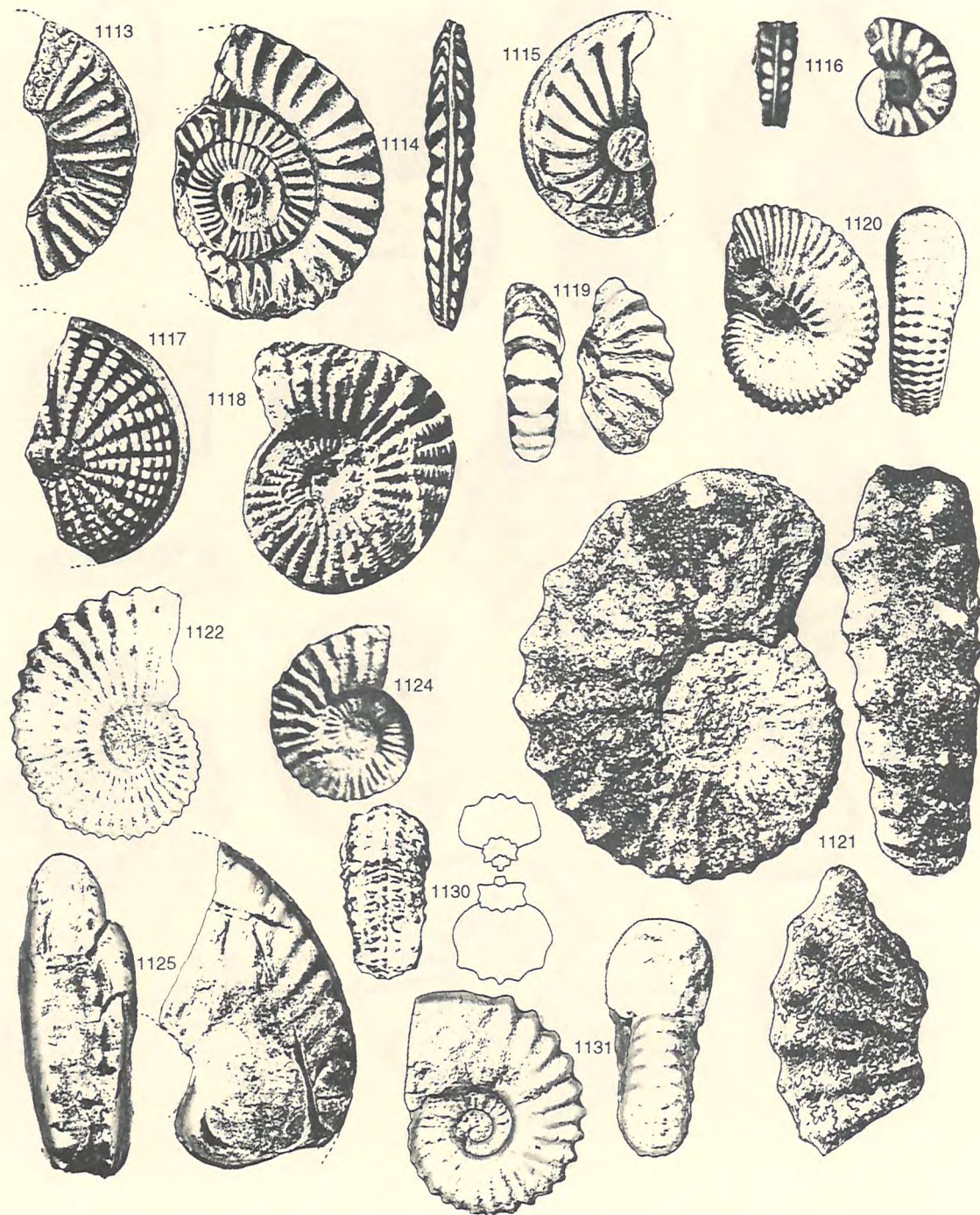
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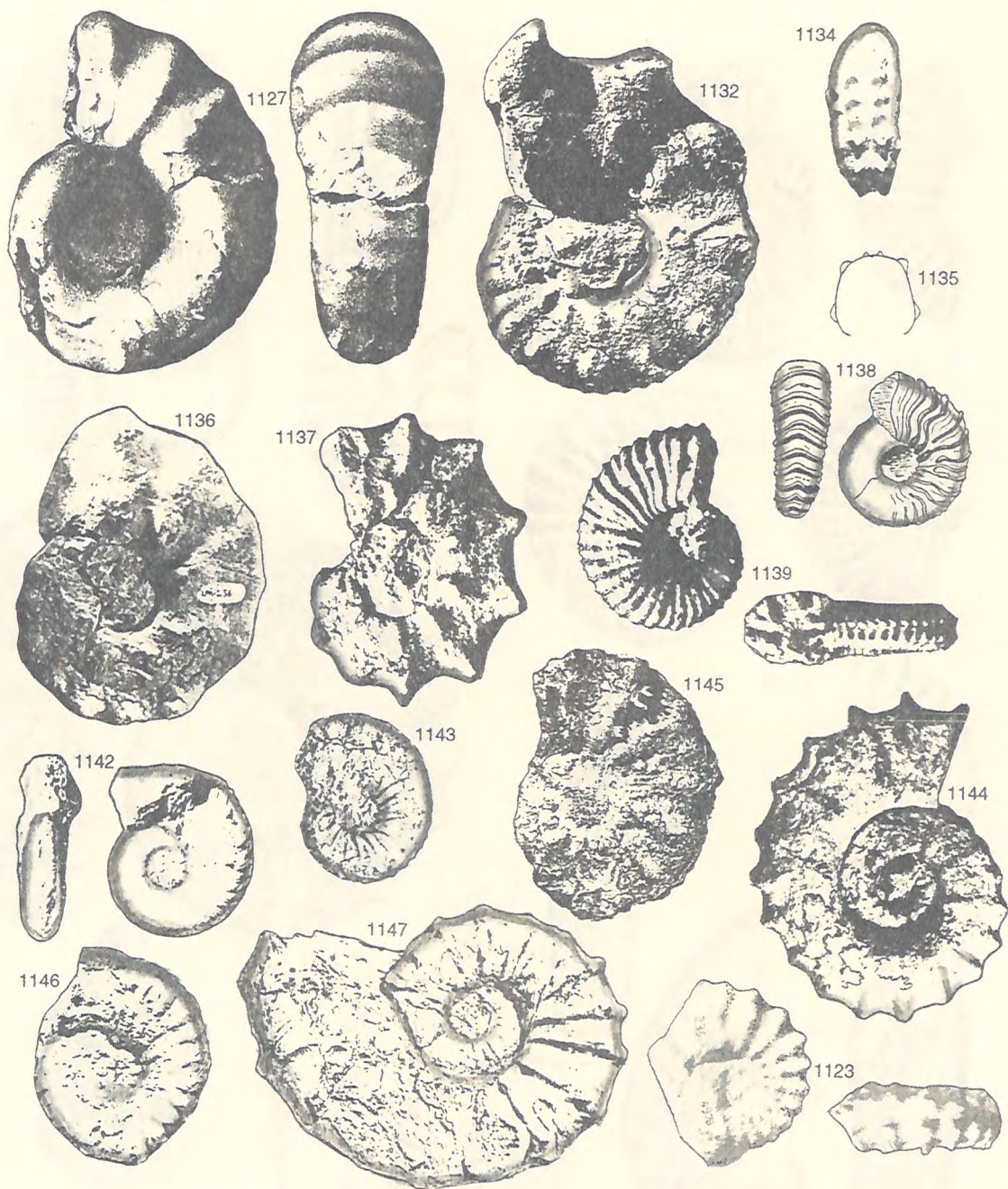


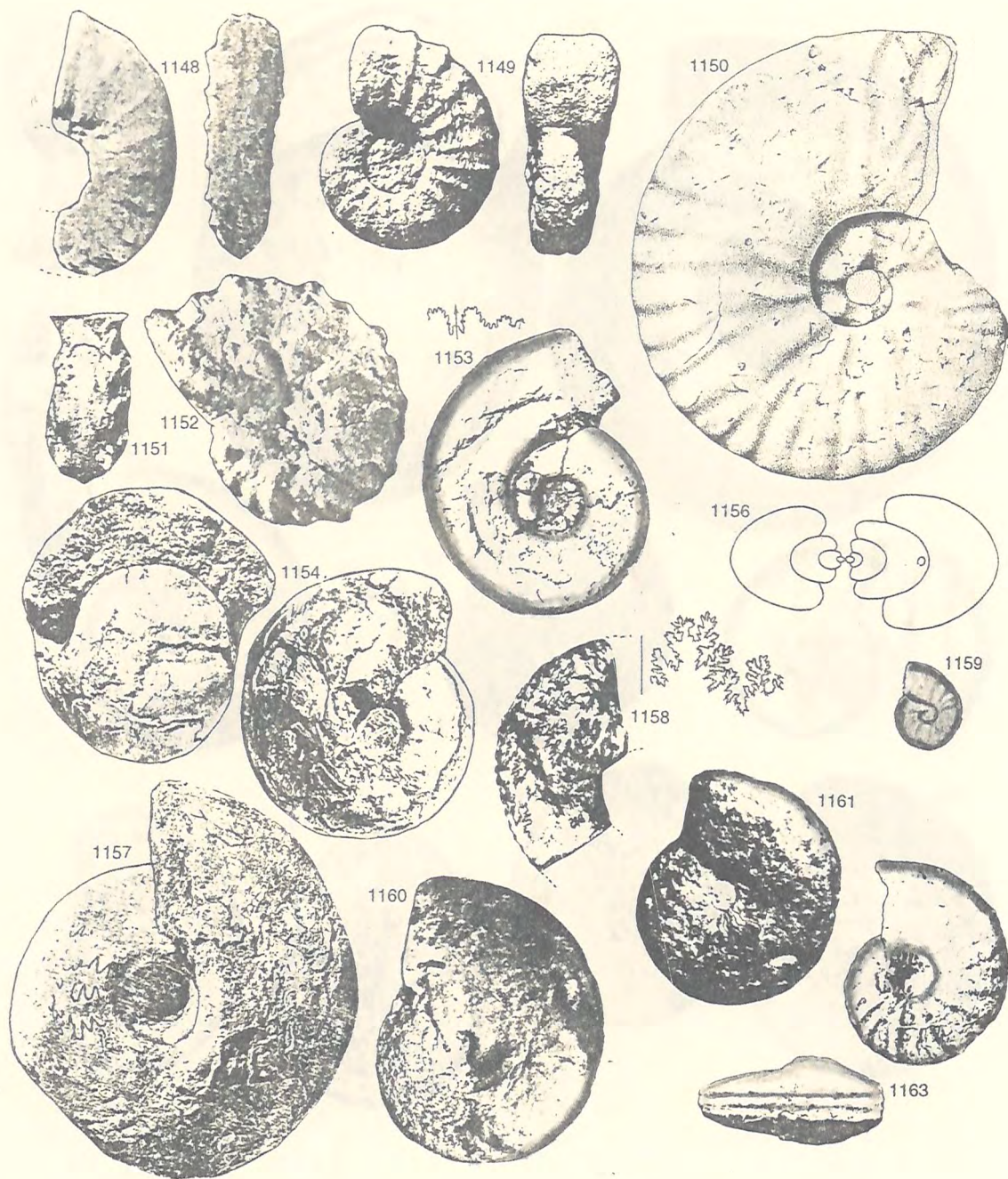
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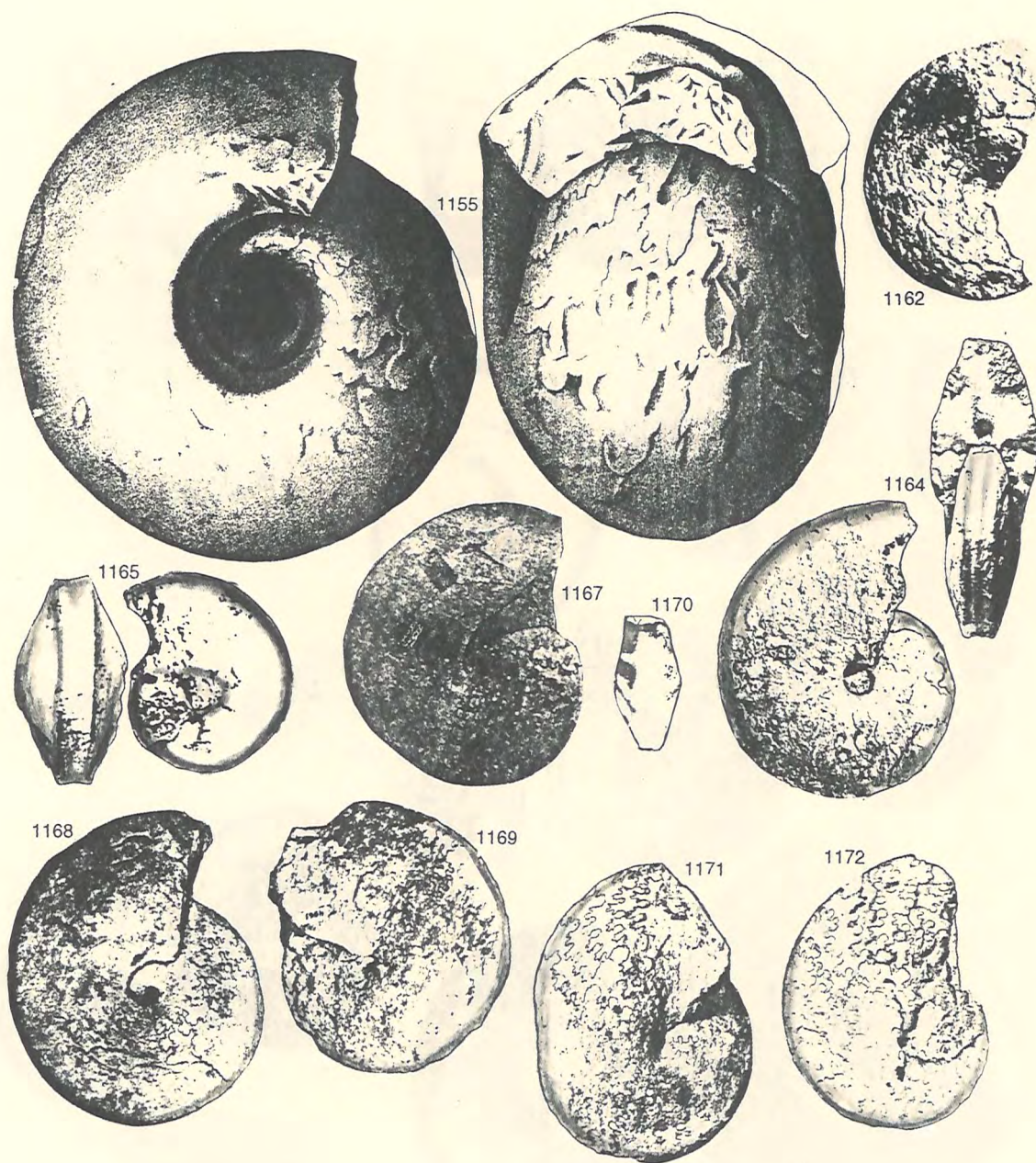


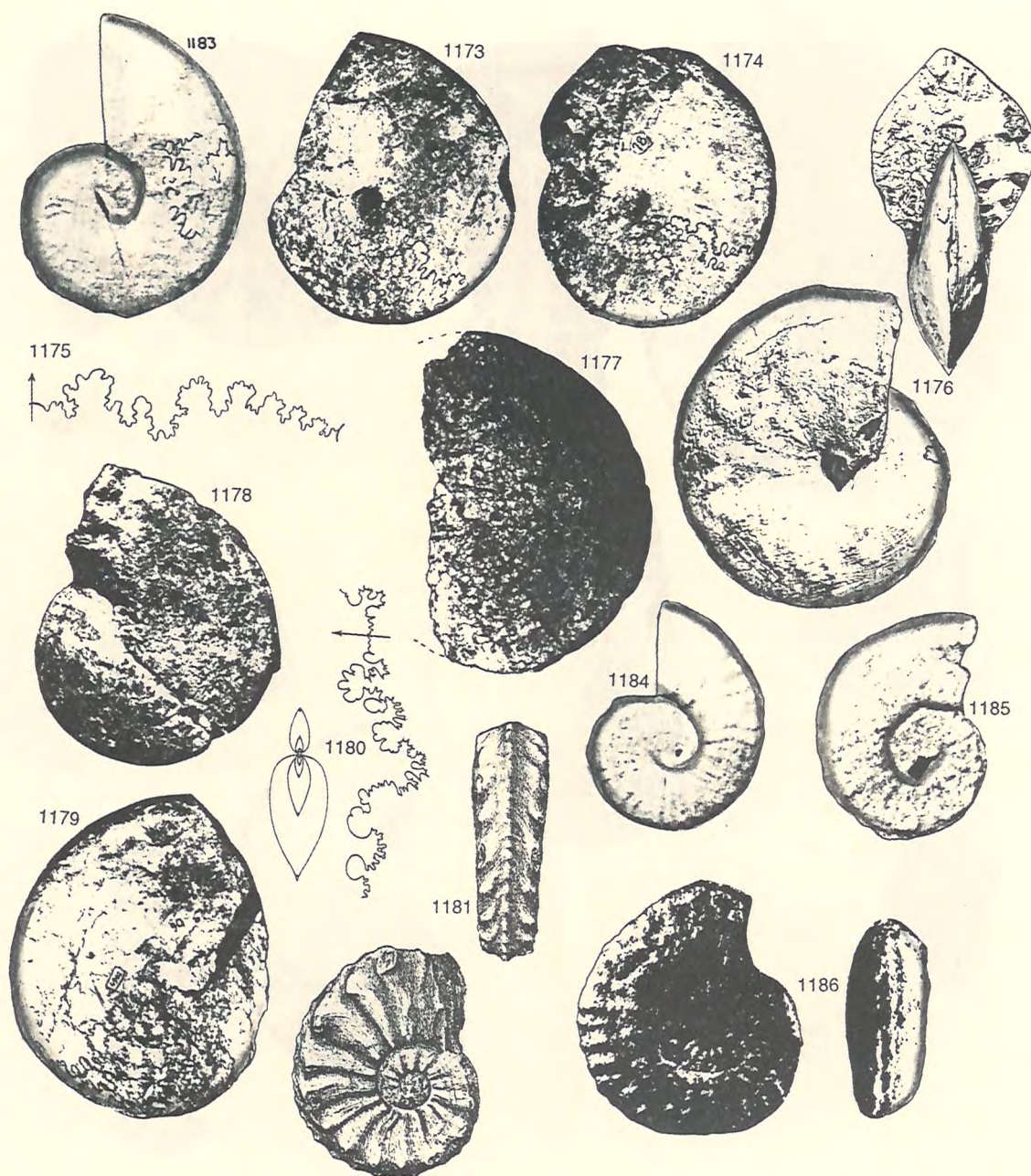


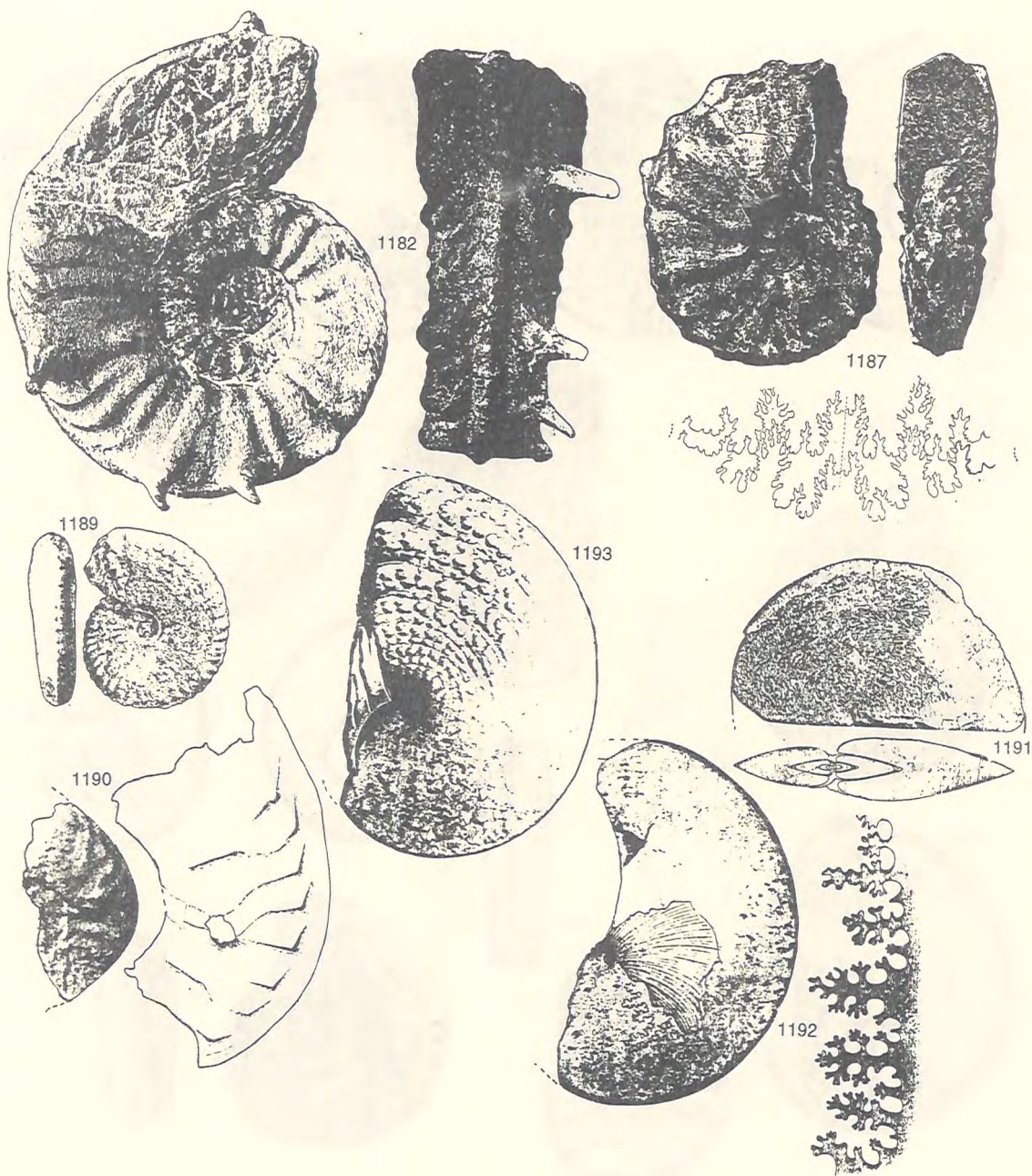


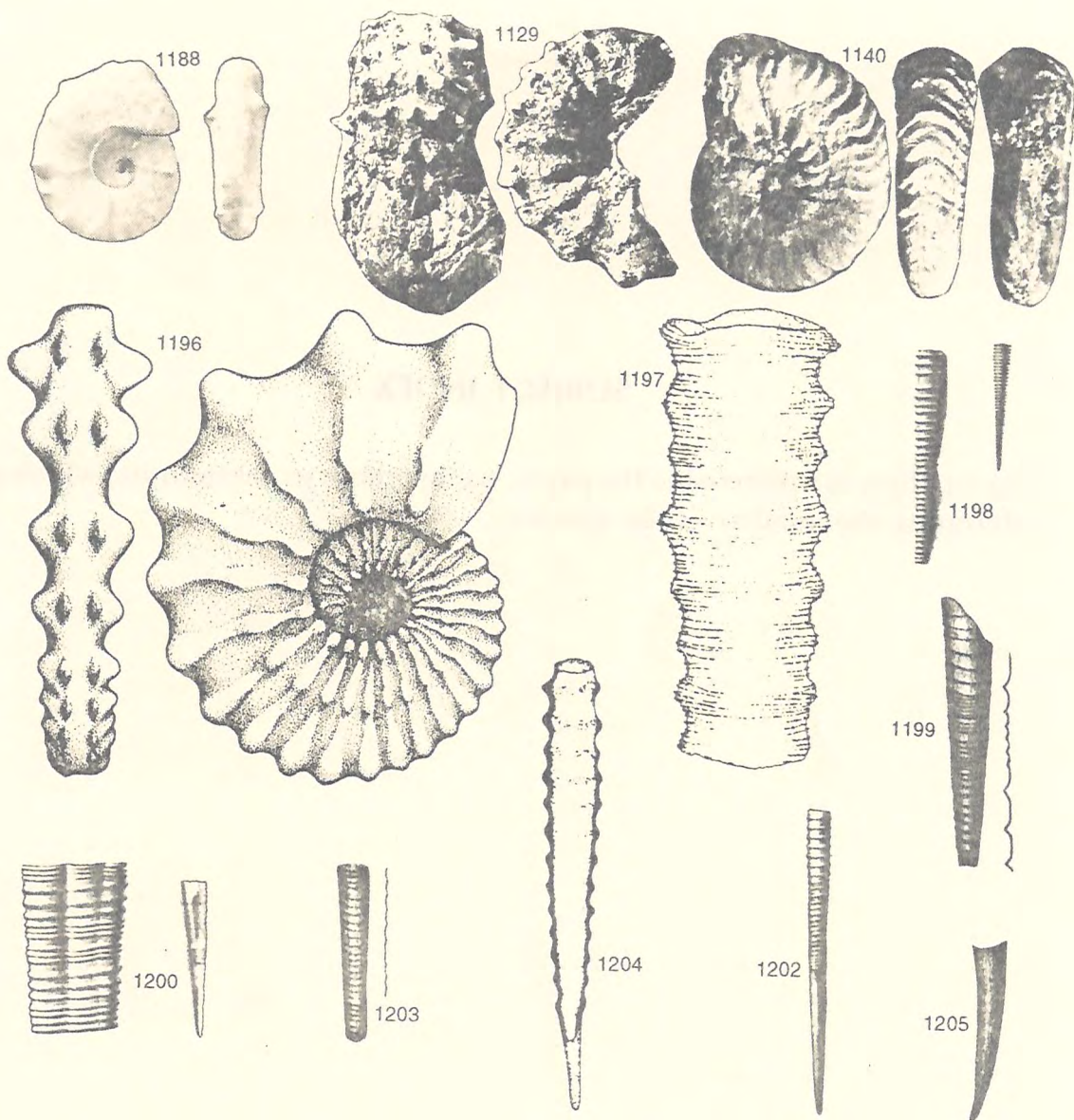












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