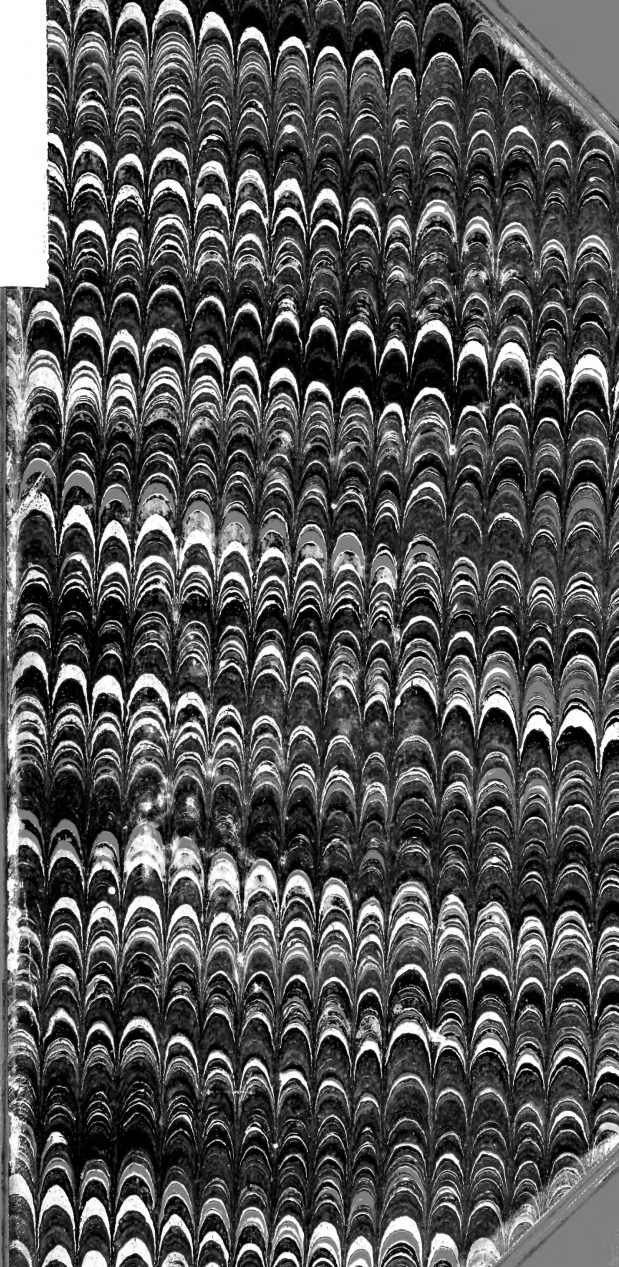
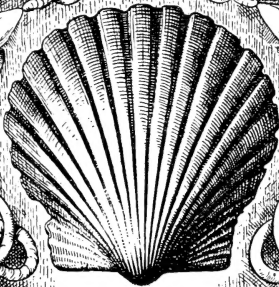


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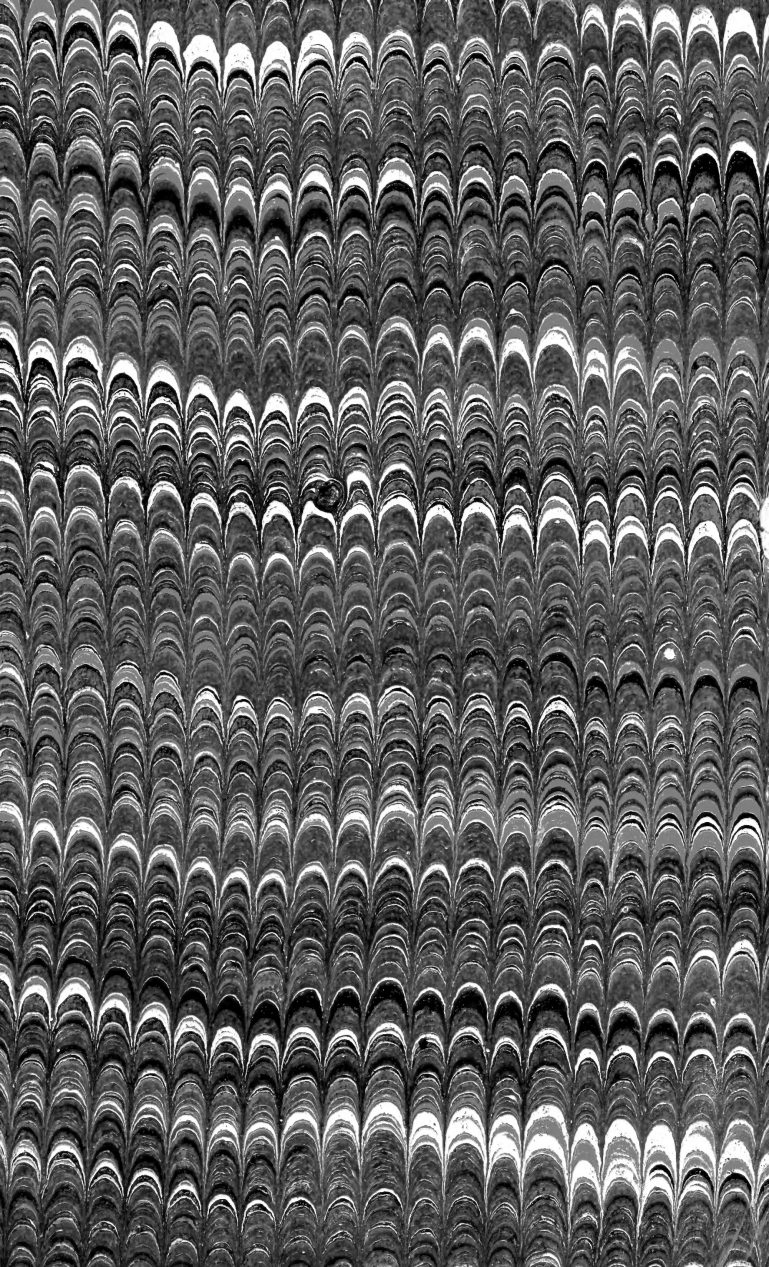


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William Healey Dall.



Four horizontal dashed lines for a signature or inscription.





S COOPER J.G.



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GEOLOGICAL SURVEY OF CALIFORNIA.

J. D. WHITNEY, STATE GEOLOGIST.

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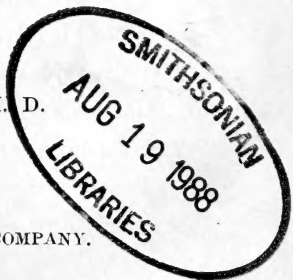
INVERTEBRATE FOSSILS

OF THE *M.C. Am*

WESTERN SLOPE OF THE UNITED STATES.

PART II.

BY J. G. COOPER, M. D.



SAN FRANCISCO: BACON & COMPANY.

1871.

GEOLOGICAL SURVEY OF CALIFORNIA

J. B. WILSON, State Geologist

Division of Mineral  
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INVESTIGATIVE REPORTS

WESTERN BRANCH OF THE UNITED STATES

PART I





## A. TERTIARY.

---

The following is intended merely as a check list, and for labels; supplementing the "Geographical Catalogue of Mollusca," published in 1867. As full details of the distribution of the species are given in Vol. II of the Palæontology, it is unnecessary at present to add this to the catalogue; especially as every new collection shows that the subject is still far from being thoroughly worked up.

Some of the older species, not positively recognized in the Survey Collections, are referred with a ? to the numbers of the "Geographical Catalogue," with which they are supposed, by Messrs. Gabb, Carpenter, or Cooper, to be probably identical. To prevent confusion of numbers, the extinct Tertiary commence with 1000. The order is changed from the Synopsis in Vol. II, to agree with the "Geographical Catalogue."

## POST-PLIOCENE.

The following are the numbers of living species found fossil only in the post-pliocene: — 5, 8?, 14, 19, 26, 39, 44, 51, 56, 67, 68, 72, 75, 76, 80, 86, 88, 89, 90, 91, 95, 98, 104, 109, 114, 120, 123, 124, 132, 134, 135, 142, 175, 189, 195, 200, 206, 207? 209, 210, 213, 214, 215, 217, 218, 219, 220, 221, 231, 232, 289, 296, 299, 302, 314, 329, 405, 406, 442, 448, 449, 451, 452, 453, 457, 461, 463, 465, 466, 469, 470, 472, 475, 477, 479, 480, 481, 482, 483, 489, 491, 495, 496, 497, 498, 499, 501? 503, 507, 514, 515, 517, 518? 525, 526, 530, 531, 534, 539, 541, 542, 547, 549, 558, 559, 572, 581, 623, 631, 632, 633, 634, 640, 642, 645, 655, 664, 693, 694, 695, 698, 712, 714, 722, 724, 725, 732, 733, 736, 737, 738, 739, 740, 742, 744, 746, 747, 751, 756, 759, 760, 763? 772, 774, 776, 777? 778, 779, 780, 781, 784, 787, 788.

Living S., 1023, 1051, 1061, 1090, 1171.

Living N., 1091, 1181.

The following extinct species are post-pliocene only: 1000, 1002? 1004? 1007, 1009? 1034, 1057? 1062, 1071? 1091, 1112, 1113? 1127? 1147? 1148? 1151, 1153, 1162? 1180, 1182, 1186, 1197, 1198? 1199.

**PLIOCENE.**

The following extend back into the pliocene :—24,  
 29, 41, 48, 53, 100, 117, 119, 131,  
 140, 172, 176, 204, 212, 224, 226, 500,  
 528, 529, 532, 533, 548, 639, 658, 715,  
 723, 730, 731, 735, 749, 783, 1003, 1014,  
 1024, 1031, 1039, 1046, 1051, 1056, 1058, 1060,  
 1066, 1076, 1100, 1107, 1108, 1109, 1114, 1115,  
 1119, 1126, 1143, 1144, 1145, 1154, 1160, 1166,  
 1178, 1188, 1189, 1202, 1207, 1209, 1210.

Perhaps Pliocene :— 290, 572? 1005, 1006,  
 1030, 1033, (= 1039?) 1048.

Perhaps Miocene :— 1038, 1068, 1072, 1075,  
 1079, 1097, 1102, 1103, 1110, 1117.

Of doubtful Tertiary age :— 1011, 1017, 1020,  
 1059, 1067, 1086, 1141, 1142, 1167, 1168.

**MIOCENE,****AND ALSO PLIOCENE.**

20, 23, 41, 42, 45, 49, 50, 52,  
 55, 62, 67?, 81, 82, 83, 84, 96,  
 99, 102, 108, 119, 130, 138, 179, 180,  
 193, 194, 553, 717, 734, 750, 814, 1010,  
 1028, 1074, 1077, 1081, 1087, 1105, 1161, 1179.

The rest are Miocene only.

THE [illegible]

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## CORRECTIONS.

1016a **Macoma Pedroana** *Con.* = gemma *Gld?*

1027a **Schizodesma abscissa** *Gabb.*

1022 For *Car.* read *Con.*

1023 For *Car.* read *Cpr.*, and *add*, Living, S.

1162 *Add*, Living, S.

2069 For *ravicosta* read **raricostata** *Gabb.*

1911

Received of the Treasurer of the University of Toronto

the sum of \$100.00

for the year ending 1911

## I. EXTINCT MOLLUSCA.

L. C., Lower California. N., S., now living north  
or south of California.

- 1000 *Morrisia Hornii* *Gabb.*
- 1001 *Terebratula nitens* *Con.*
- 1002 *Zirphœa Gabbi* *Tryon.* = 13 ?
- 1003 *Zirphœa dentata* *Gabb.*
- 1004 *Saxicava abrupta* *Con.* = 113 ?
- 1005 *Mya Montereyana* *Con.* = 32 ?
- 1006 *Mya subsinuata* *Con.* = 53 ?
- 1007 *Corbula Diegoana* *Con.*
- 1008 *Pandora scapha* *Gabb.*
- 1009 *Pandora bilirata* *Con.* = 31 ?
- 1010 *Thracia trapezoides* *Con.*





- 1011 *Thracia mactropsis* *Con.*
- 1012 *Solen protectus* *Con.*
- 1013 *Solen curtus* *Con.*
- 1014 *Siliquaria edentula* *Gabb.*
- 1015 *Macoma Ocoyana* *Con.*
- 1016 *Macoma arctata* *Con.* = 55 ?
- 1017 *Tellina Diegoana* *Con.*
- 1018 *Tellina obruta* *Con.*
- 1019 *Tellina albaria* *Con.*
- 1020 *Tellina bitruncata* *Con.*
- 1021 *Tellina congesta* *Con.* = 79 ?
- 1022 *Arcopagia unda* *Car.* = 67 ?
- 1023 *Lutricola viridotincta* *Car.*
- 1024 *Gari alata* *Gabb.*



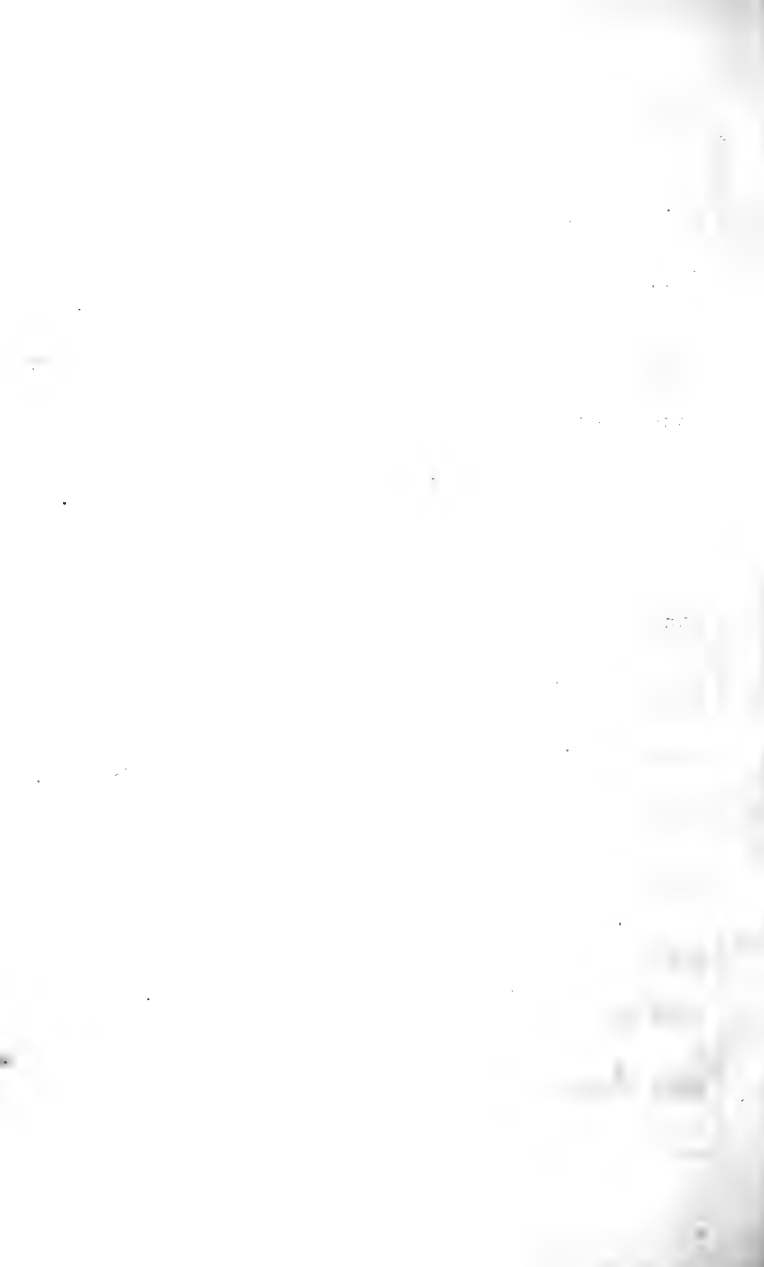
- 1025 *Hemimactra lenticularis* *Gabb.*
- 1026 *Hemimactra occidentalis* *Gabb.*
- 1027 *Mulinia densata* *Con.*
- 1028 *Pseudocardium Gabbi* *Rem.*
- 1029 *Mactra Gabiotensis* *Con.*
- 1030 *Lutraria transmontana* *Con.*
- 1031 *Caryatis Barbarensis* *Gabb.*
- 1032 *Pachydesma Inezana* *Con.*
- 1033 *Venus Pajaroensis* *Con.*
- 1034 *Mercenaria perlaminosa* *Con.* = 93 ?
- 1035 *Meretrix Traskii* *Con.*
- 1036 *Meretrix uniomeris* *Con.*
- 1037 *Meretrix decisa* *Con.*
- 1038 *Meretrix Tularana* *Con.*



- 1039 *Callista Voyi* Gabb.
- 1040 *Chione Mathewsonii* Gabb.
- 1041 *Chione Whitneyi* Gabb.
- 1042 *Chione pertenuis* Gabb.
- 1043 *Chione Oregona* Con.
- 1044 *Chione angustifrons* Con.
- 1045 *Chione vespertina* Con.
- 1046 *Tapes Staleyi* Gabb.
- 1047 *Tapes truncata* Gabb.
- 1048 *Tapes montana* Con. = 87 ?
- 1049 *Tapes Inezensis* Con. = 108 ?
- 1050 *Dosinia Conradi* Gabb.
- 1051 *Dosinia ponderosa* Gray. Living S.
- 1052 *Dosinia Mathewsonii* Gabb.



- 1053 *Dosinia longula* *Con.*
- 1054 *Dosinia montana* *Con.*
- 1055 *Dosinia subobliqua* *Con.*
- 1056 *Saxidomus gibbosus* *Gabb.*
- 1057 *Petricola Pedroana* *Con.*
- 1058 *Cyrena Californica* *Gabb.* (Prime?)
- 1059 *Cardium modestum* *Con.* = 121 ?
- 1060 *Cardium Meekianum* *Gabb.*
- 1061 *Cardium Panamense* *Sby.* Living S.
- 1062 *Conchocele disjuncta* *Gabb.*
- 1063 *Conchocele bisecta* *Con.*
- 1064 *Crassatella collina* *Con.*
- 1065 *Mysia parilis* *Con.*
- 1066 *Lucina Richthofeni* *Gabb.*





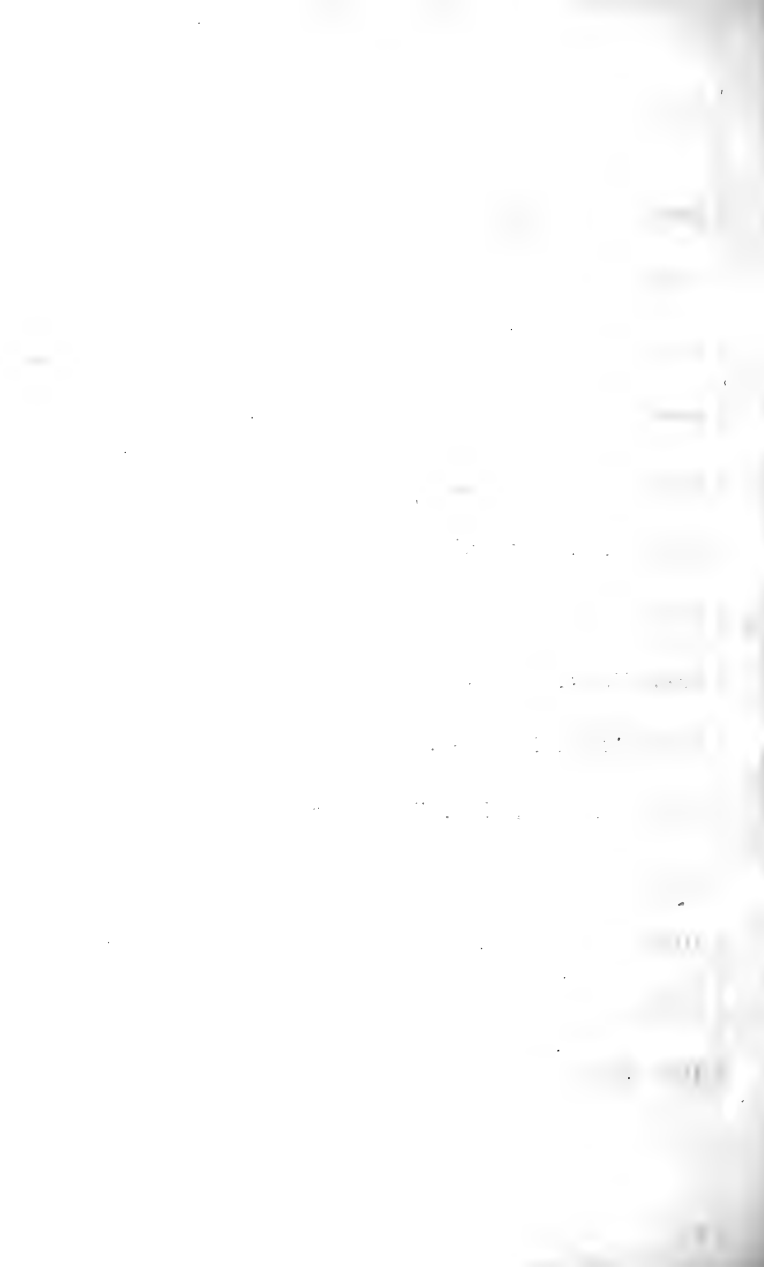
- 1067 *Lucina fibrosa* *Shum.*
- 1068 *Lucina permacra* *Con.* = 138 ?
- 1067 *Lucina Estrellana* *Con.* = 138 ?
- 1070 *Mytilus Mathewsonii* *Gabb.*
- 1071 *Mytilus Pedroanus* *Con.* = 173j ?
- 1072 *Mytilus Inezensis* *Con.*
- 1072 *Modiola contracta* *Con.*
- 1074 *Modiola multiradiata* *Gabb.*
- 1075 *Perna montana* *Con.*
- 1076 *Arca sulcicosta* *Gabb.*
- 1077 *Arca microdonta* *Con.*
- 1078 *Arca devincta* *Con.*
- 1079 *Arca Obispoana* *Con.*
- 1080 *Arca congesta* *Con.*



- 1081 *Axinea patula* *Con.*
- 1082 *Neilo abrupta* *Con.*
- 1083 *Leda Oregona* *Shum.*
- 1084 *Leda Willamettensis* *Shum.*
- 1085 *Leda penita* *Con.*
- 1086 *Yoldia nasuta* *Gabb.*
- 1087 *Yoldia impressa* *Con.* = 201 ?
- 1088 *Limopsis nitens* *Con.*
- 1089 *Limopsis Oregonensis* *Con.*
- 1090 *Pecten ventricosus* *Sby.* Living S.
- 1091 *Pecten Cerrosensis* *Gabb.* L. C.
- 1092 *Pecten propatulus* *Con.* = 212 ?
- 1093 *Pecten catilliformis* *Con.*
- 1094 *Pecten Pabloensis* *Con.*



- 1095 *Pecten Peckhami* *Gabb.*
- 1096 *Pecten Pedroanus* *Trask.*
- 1097 *Pecten Meekii* *Con.*
- 1098 *Pecten Islandicus* *Mull.* Living N.
- 1099 *Pecten Coosensis* *Shum.*
- 1100 *Pecten Deserti* *Con.*
- 1101 *Pecten Nevadanus* *Con.*
- 1102 *Pecten discus* *Con.*
- 1103 *Pecten Magnolia* *Con.*
- 1104 *Liropecten Estrellanus* *Con.*
- 1105 *Liropecten crassicardo* *Con.*
- 1106 *Liropecten volæformis* *Con.*
- 1107 *Liropecten Veatchii* *Gabb.*
- 1108 *Janira bella* *Con.*



- 1109 *Ostrea Bourgeoisii* Rem.
- 1110 *Ostrea Attwoodii* Gabb.
- 1111 *Ostrea Tayloriana* Gabb.
- 1112 *Ostrea Veatchii* Gabb. L. C.
- 1113 *Ostrea Cerrosensis* Gabb. (= *O. gallus* ?)
- 1114 *Ostrea vespertina* Con.
- 1115 *Ostrea Heermanni* Con.
- 1116 *Ostrea Titan* Con.
- 1117 *Ostrea subjecta* Con.
- 1118 *Ostrea Panzana* Con.
- 1119 *Anomia subcostata* Con.
- 1120 *Tamiosoma gregaria* Con.
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- 1121 *Bulla jugularis* *Con.*
- 1122 *Tornatella elliptica* *Trusk.*
- 1123 *Cylichna Oregona* *Con.*
- 1124 *Cylichna petrosa* *Con.*
- 1125 *Dentalium substriatum* *Con.*
- 1126 *Acmæa rudis* *Gabb.*
- 1127 *Cemoria crucibuliformis* *Con.* = 468 ?
- 1128 *Pachypoma biangulata* *Gabb.*
- 1129 Vanikoro? *Diegoana* *Con.*
- 1130 *Crepidula rostralis* *Con.*
- 1131 *Hipponyx* "Grayanus *Mke.*" = 541.
- 1132 *Trochita Diegoana* *Con.*
- 1133 *Trochita costellata* *Con.*
- 1134 *Trochita filosa* *Gabb.*

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- 1135 **Trochita inornata** *Gabb.*
- 1136 **Turritella variata** *Con.*
- 1137 **Turritella Inezana** *Con.*
- 1138 **Turritella Ocoyana** *Con.*
- 1139 **Turritella Hoffmani** *Gabb.*
- 1140 **Mesalia arenicola** *Con.*
- 1141 **Melania Taylora** *Gabb.*
- 1142 **Lithasia antiqua** *Gabb.*
- 1143 **Littorina Remondii** *Gabb.*
- 1144 **Surcula Tryoniana** *Gabb.*
- 1145 **Drillia Voyi** *Gabb.*
- 1146 **Pleurotoma transmontana** *Con.*
- 1147 **Clathurella Conradiana** *Gabb.*
- 1148 **Chemnitzia papillosa** *Trask.* = 670 ?



- 1149 *Cerithiopsis Oregonensis* *Con.*
- 1150 *Cancellaria Oregonensis* *Con.*
- 1151 *Cancellaria tritonidea* *Gabb.*
- 1152 *Cancellaria vetusta* *Gabb.*
- 1153 *Cancellaria gracilior* *Cpr.*
- 1154 *Cancellaria altispira* *Gabb.*
- 1155 *Natica geniculata* *Con.*
- 1156 *Lunatia Oregonensis* *Con.*
- 1157 *Neverita saxea* *Con.*
- 1158 *Neverita callosa* *Gabb.*
- 1159 *Sigaretus scopulosus* *Con.*
- 1160 *Sigaretus planicostum* *Gabb.*
- 1161 *Volutilithes indurata* *Con.*
- 1162 *Ranella triquetra* *Cpr.*

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- 1163 *Ranella Mathewsonii* Gabb.
- 1164 *Ancillaria Fishii* Gabb.
- 1165 *Olivella Pedroana* Con. = 733?
- 1166 *Columbella Richthofeni* Gabb.
- 1167 *Purpura petrosa* Con.
- 1168 *Galeodea petrosa* Con.
- 1169 *Cassidea?* *petrosa* Con. = 1168?
- 1170 *Cassidea?* *bilirata* Con.
- 1171 *Monoceros lugubris* Sby. Living S.
- 1172 *Cuma biplicata* Gabb.
- 1173 *Metula Remondii* Gabb.
- 1174 *Agasoma gravaida* Gabb.
- 1175 *Agasoma sinuata* Gabb.
- 1176 *Ficopsis modesta* Con.

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- 1177 **Ficus Ocoyanus** *Con.*
- 1178 **Ficus pyriformis** *Gabb.*
- 1179 **Ficus nodiferus** *Gabb.*
- 1180 **Pisania fortis** *Cpr.*
- 1181 **Murex fragilis** *Trask.* = 779. Living N.
- 1182 **Muricidea paucivaricata** *Gabb.*
- 1183 **Muricidea foveolata** *Hds.* Living.
- 1184 **Muricidea perita** *Hds.* = 777 ? Living.
- 1185 **Trophon ponderosus** *Gabb.*
- 1186 **Trophon tenuisculptus** *Cpr.*
- 1187 **Neptunea recurva** *Gabb.*
- 1188 **Neptunea altispira** *Gabb.*
- 1189 **Neptunea humerosa** *Gabb.*
- 1190 **Busycon Oregonensis** *Con.*

THE HISTORY OF THE	1761
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- 1191 *Priscofusus arctatus* *Con.*
- 1192 *Priscofusus corpulentus* *Con.*
- 1193 *Priscofusus devinctus* *Con.*
- 1194 *Priscofusus medialis* *Con.*
- 1195 *Priscofusus nodiferus* *Con.*
- 1196 *Priscofusus Oregonensis* *Con.*
- 1197 *Fusus Barbarensis* *Trask.*
- 1198 *Fusus robustus* *Trask.* = 787?
- 1199 *Fusus rugosus* *Trask.* = 787? Living.
- 1200 *Triptera clavata* *Gabb.*
- 1201 *Aturia zigzag* *Con.*

## II. CRUSTACEA.

- 1202 *Cancer Brewerii* *Gabb.*



## III. RADIATA.

- 1203 *Clypeaster Gabbi* *Rem.*
- 1204 *Echinarachnius Brewerianus* *Rem.*
- 1205 *Scutella Gibbsii* *Rem.*
- 1206 *Scutella striatula* *Con.* Living.
- 1207 *Scutella interlineata* *Stimp.*
- 1208 *Astrodapsis Antiselli* *Con.*
- 1209 *Astrodapsis Whitneyi* *Rem.*
- 1210 *Astrodapsis tumidus* *Rem.*
- 1211 *Asterias Remondi* *Gabb.*
- 1212 *Galerites Oregonensis* *Dana.*



## CRETACEOUS MOLLUSCA.

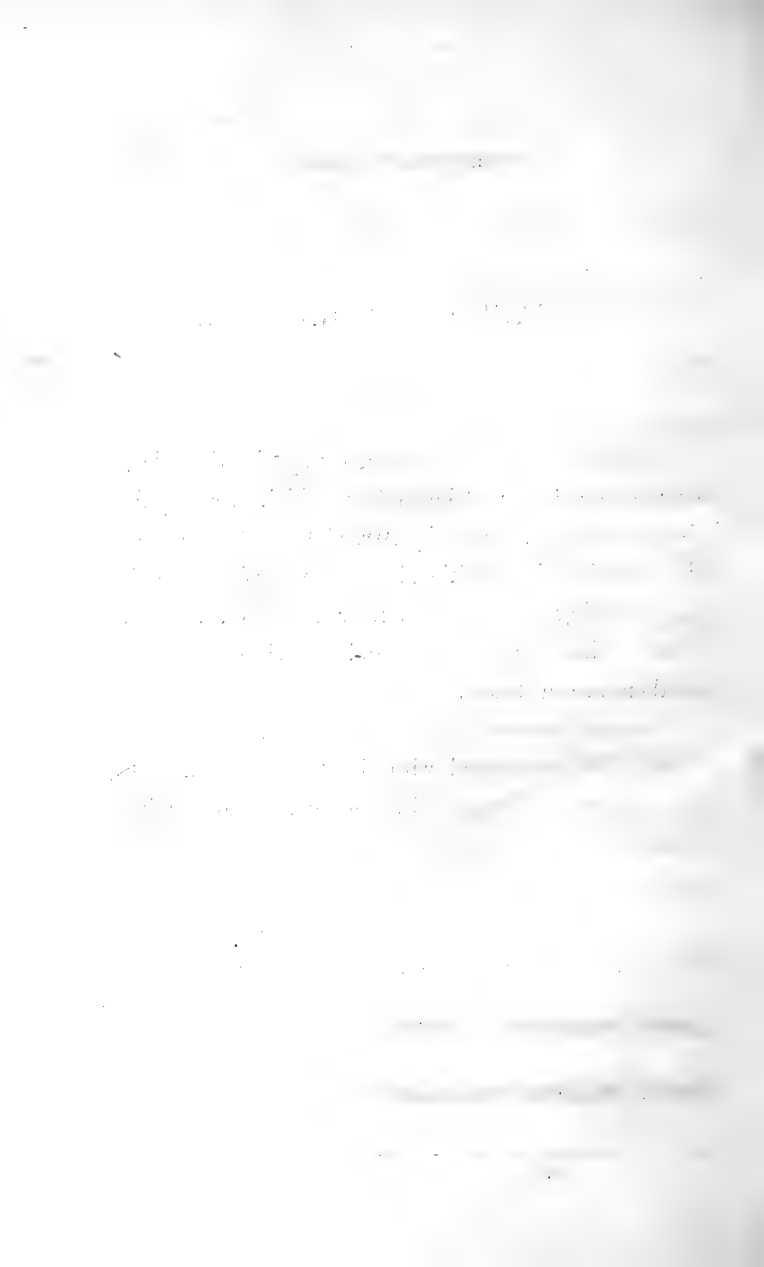
A check list of the cretaceous species described or mentioned in "Palæontology," Vol. I, was published some years since by Mr. Gabb. The present list contains the additional names published in Vol. II, including several from near Arivechi, Sonora, Mex. These may yet be found in Arizona, as most of them are in Texas.

To avoid confusion, the numbers commence with 2000. To correspond with the Catalogue in Vol. II, the order followed with the living and tertiary species is here reversed.

I. Described in Vol. I under another name. M. Mexico.

**2000** *Ptiloleuthis foliatus* Gabb.

**2004** *Nautilus Campbellii* Meek.





- 2014 *Ammonites Tehamaensis* Gabb. I.
- 2016 *Ammonites Suciaensis* Meek. I.
- 2017 *Ammonites Vancouverensis* Meek.
- 2018 *Ammonites jugalis* Gabb. I.
- 2020 *Ammonites Whitneyi* Gabb.
- 2021 *Ammonites Stoliczkanus* Gabb.
- 2022 *Ammonites fraternus* Gabb.
- 2028 *Ammonites Pedernalis* Von Buch. M.
- 2029 *Turrilites Oregonensis* Gabb. I.
- 2030 *Ancyloceras Remondii* Gabb. I.
- 2031 *Ancyloceras percostatus* Gabb. I.
- 2032 *Ancyloceras quadratus* Gabb. I.
- 2033 *Ancyloceras?* *lineatus* Gabb.
- 2035 *Helicancyclus æquicostatus* Gabb. I.



- 2036 *Diptychoceras lævis* Gabb.
- 2038 *Baculites occidentalis* Meek.
- 2039 *Baculites inornatus* Meek.
- 2049 *Fusus tumidus* Gabb.
- 2050 *Fusus occidentalis* Gabb.
- 2051 *Fusus Mexicanus* Gabb. M.
- 2052 *Neptunea (Tritonofusus) cretacea* Gabb.
- 2053 *Neptunea mucronata* Gabb.
- 2057 *Palæatractus crassus* Gabb.
- 2058 *Eripachya ponderosa* Gabb. I.
- 2059 *Eripachya perforata* Gabb. I.
- 2060 *Eripachya Hoffmannii* Gabb. I.
- 2065 *Surcula præattenuata* Gabb.
- 2066 *Surcula sinuata* Gabb. I.

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- 2067 *Surcula inconspicua* Gabb.
- 2068 *Surcula Claytonensis* Gabb. I.
- 2069 *Surcula raricosta* Gabb. I.
- 2070 *Heteroterma trochoidea* Gabb.
- 2071 *Bela clathrata* Gabb.
- 2073 *Cordiera mitræformis* Gabb.
- 2077 *Tritonium Californicum* Gabb.
- 2078 T. (*Trachytriton*) *Diegoensis* Gabb. I.
- 2079 T. (*Trachytriton*) *Tejonensis* Gabb.
- 2080 T. (*Trachytriton*) *fusiforme* Gabb.
- 2081 *Brachysphingus liratus* Gabb. I.
- 2082 *Brachysphingus sinuatus* Gabb.
- 2083 *Bullia (Molopophorus) striata* Gabb.
- 2094 *Turbinella crassitesta* Gabb.

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- 2099 *Ficopsis Remondii* *Gabb.* I.  
2100 *Ficopsis Hornii* *Gabb.* I.  
2101 *Ficopsis Cooperii* *Gabb.* I.  
2102 *Urosyca caudata* *Gabb.*  
2103 *Sycodes cypræoides* *Gabb.* I.  
2109 *Lunatia Pedernalis* *Rœm.* M.  
2114 *Neverita globosa* *Gabb.*  
2118 *Euspira tabulata* *Gabb.* M.  
2119 *Ampullina striata* *Gabb.*  
2120 *Terebra Californica* *Gabb.*  
2121 *Chemnitzia planulata* *Gabb.* I.  
2122 *Chemnitzia zebra* *Gabb.* M.  
2123 *Chemnitzia Texana* *Rœm.* M.  
2137 *Rimella canalifera* *Gabb.* I.

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- 2141 *Tylostoma mutabilis* *Gabb.* M.
- 2142 *Anchura falciformis* *Gabb.* I.
- 2143 *Anchura angulata* *Gabb.* I.
- 2144 *Anchura Californica* *Gabb.* I.
- 2145 *Anchura exilis* *Gabb.* I.
- 2146 *Anchura transversa* *Gabb.*
- 2147 *Anchura carinifera* *Gabb.*
- 2148 *Anchura monilifera* *Gabb.* M.
- 2149 *Helicaulax bicarinata* *Gabb.*
- 2150 *Helicaulax costata* *Gabb.*
- 2152 *Loxotrema turrata* *Gabb.*
- 2156 *Atresius liratus* *Gabb.*

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- 2173 *Calliostoma radiatum* Gabb.
- 2174 *Ataphrus crassus* Gabb.
- 2176 *Angaria cingulata* Gabb. M.
- 2180 *Margaritella angulata* Gabb.
- 2181 *Dentalium Nanaimoensis* Meek.
- 2187 *Acmæa Tejonensis* Gabb.
- 2193 *Cinulia rectilabrum* Gabb.
- 2195 *Ringinella polita* Gabb.
- 2200 *Actæonella oviformis* Gabb.
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- 2223 *Anatina quadrata* *Gabb.*
- 2224 *Thracia?* *occidentalis* *Meek.*
- 2225 *Thracia?* *subtruncata* *Meek.*
- 2226 *Pholadomya subelongata* *Meek.*
- 2229 *Pholadomya Oregonensis* *Gabb.*
- 2230 *Pholadomya Sonorensis* *Gabb.* M
- 2231 *Goniomya borealis* *Meek.*
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- 2256 *Tellina undulifera* Gabb.
- 2258 *Donax latus* Gabb.
- 2262 *Venus æquilateralis* Gabb.
- 2271 *Meretrix Californica* Con.
- 2272 *Meretrix?* *fragilis* Gabb.
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- 2274 *Tapes Hilgardi* Shum. M.
- 2276 *Dosinia tenuis* Meek.
- 2283 *Thetis?* *elongata* Gabb.
- 2285 *Diodus tenuis* Gabb. I.
- 2288 *Cardium scitulum* Meek.
- 2289 *C. (Lævicardium) linteum* Con.
- 2291 *C. (Protocardium) translucidum* Gabb. M.
- 2292 *C. (Protocardium) granuliferum* Gabb.

THE HISTORY OF THE

- 1800 The first year of the reign of George the Third
- 1801 The second year of the reign of George the Third
- 1802 The third year of the reign of George the Third
- 1803 The fourth year of the reign of George the Third
- 1804 The fifth year of the reign of George the Third
- 1805 The sixth year of the reign of George the Third
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- 1827 The twenty-eighth year of the reign of George the Third
- 1828 The twenty-ninth year of the reign of George the Third
- 1829 The thirtieth year of the reign of George the Third
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- 1846 The forty-seventh year of the reign of George the Third
- 1847 The forty-eighth year of the reign of George the Third
- 1848 The forty-ninth year of the reign of George the Third
- 1849 The fiftieth year of the reign of George the Third



- 2293 *C. (Granocardium) sabulosum* Gabb. M.
- 2296 *Cardita alticosta* Gabb. M.
- 2297 *Clinocolus dubius* Gabb. I.
- 2299 *Lucina postice-radiata* Gabb. I.
- 2311 *Crassatella compacta* Gabb.
- 2314 *Unio Hubbardi* Gabb.
- 2318 *Mytilus quadratus* Gabb. I.
- 2322 *Modiola major* Gabb.
- 2325 *Stalagmium concentricum* Gabb. I.
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- 2330 *Inoceramus subundatus* Meek.
- 2331 *Aucella Piochii* Gabb. I.

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- 2337 *Trigonia Mooreana* Gabb. M.
- 2338 *Trigonia æquicostata* Gabb. I.
- 2339 *Remondia furcata* Gabb. M.
- 2347 *Arca Vancouverensis* Meek.
- 2349 *Cucullæa inermis* Gabb. M.
- 2353 *Nucula Traskana* Meek.
- 2354 *Nucula solitaria* Gabb.
- 2355 *Nucula (Acila) truncata* Gabb. I.
- 2356 *Leda Gabbi* Con. I.
- 2362 *Pecten Martinezensis* Gabb.
- 2363 *Pecten complexicosta* Gabb.
- 2364 *Pecten interradiatus* Gabb.
- 2365 *Neithea grandicosta* Gabb.
- 2368 *Lima Shastaensis* Gabb.

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- 2369 *Lima multiradiata* Gabb.  
2372 *Anomia Vancouverensis* Gabb.  
2376 *Ostrea Idriaensis* Gabb.  
2377 *Ostrea appressa* Gabb.  
2379 *Gryphæa mucronata* Gabb. M.  
2381 *Exogyra plicata* Lam. M.  
2383 *Rhynchonella Whitneyi* Gabb. I.

## II. CRUSTACEA.

- 2385 *Callianassa Stimpsonii* Gabb.

## III. RADIATA.

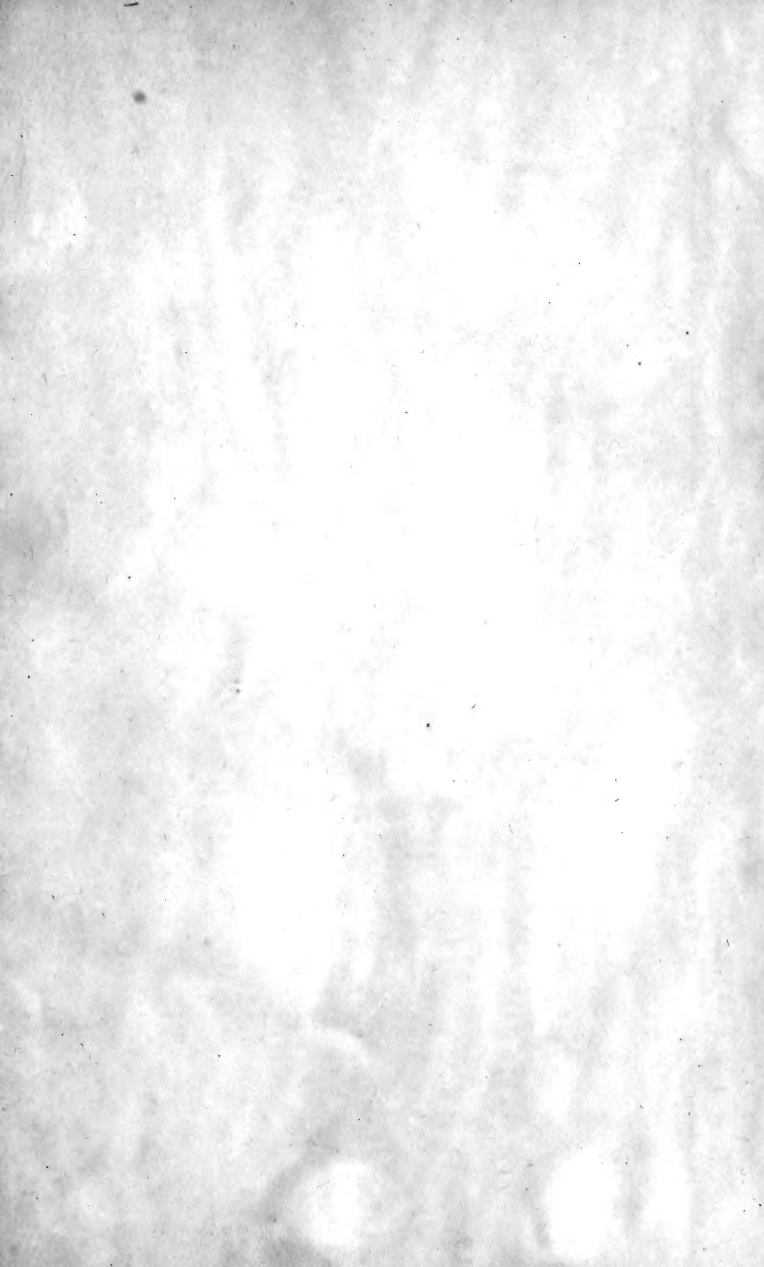
- 2389 *Smilotrochus?* *curtus* Gabb.  
2390 *Pyrina Parryi* Hall. M.  
2391 *Cyphosoma Texanum* Rœm. M.  
2392 *Turbinolia?* *Texana* Con. M.

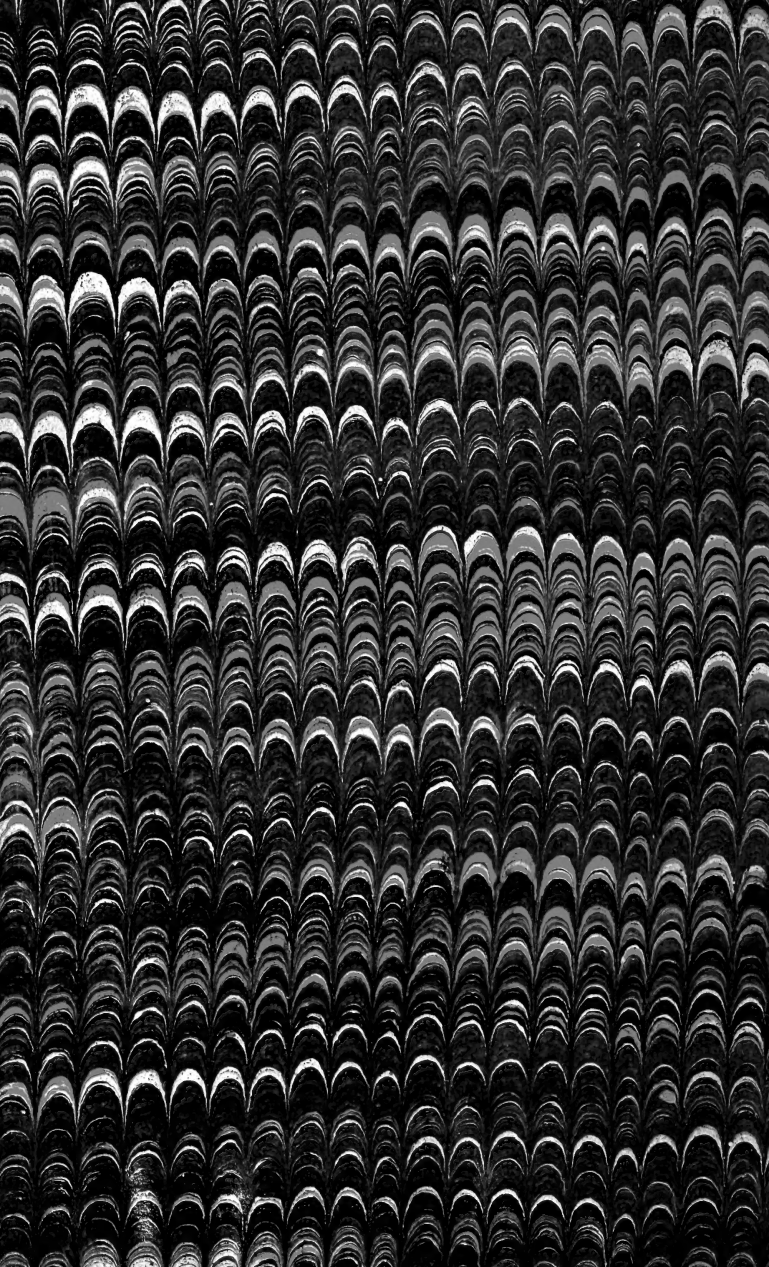
1880 *Exogone pinnata* Lam. M.  
 1881 *Exogone pinnata* Lam. M.  
 1882 *Exogone pinnata* Lam. M.  
 1883 *Exogone pinnata* Lam. M.  
 1884 *Exogone pinnata* Lam. M.  
 1885 *Exogone pinnata* Lam. M.  
 1886 *Exogone pinnata* Lam. M.  
 1887 *Exogone pinnata* Lam. M.  
 1888 *Exogone pinnata* Lam. M.  
 1889 *Exogone pinnata* Lam. M.  
 1890 *Exogone pinnata* Lam. M.

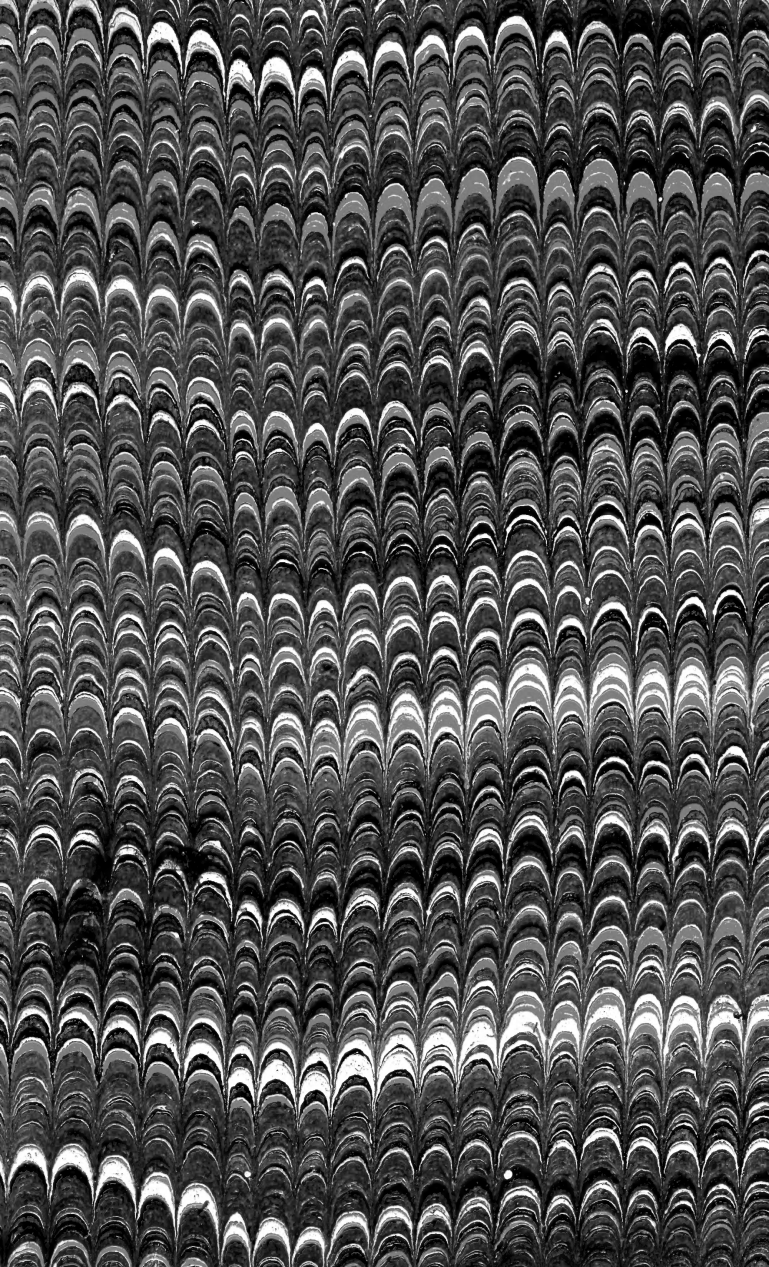












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