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**RECENT MARINE MOLLUSCS OF SANTA CATARINA STATE, SC, SOUTHERN
BRAZIL REGION: A COMPREHENSIVE SYNTHESIS AND CHECK LIST**

Ignacio Agudo-Padrón, Mário Saraiva Bleicker & Kay Saalfeld
July 21, 2008

Recent Marine Molluscs Of Santa Catarina State, Sc, Southern Brazil Region: A Comprehensive Synthesis And Check List

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Based in our technical reports already published or in editorial process (Agudo & Saalfeld 2003, 2004; Agudo & Bleicker 2005 a-d, 2006 a-b, 2008 a-d; Agudo-Padrón et al 2007), a comprehensive synthesis of the general revision on the recent marine mollusks that happen in the geographical territory of Santa Catarina's State, SC (Fig. 1) is presented to proceed, product of twelve year-old exhaustive regional researches (between 1996 and 2008), understanding checklist of 608 known and reported species and subspecies, among them 10 POLYPLACOPHORA, 356 GASTROPODA, 223 BIVALVIA, 10 SCAPHOPODA, and 9 CEPHALOPODA, systematically distributed in 308 genus, 137 families and 5 classes, established until the month of March 2008, with base in wide bibliographical revision starting from the historical contributions of MORRETES (1949), GOFFERJÉ in BIGARELLA (1949) and MORRETES (1953), and the exam of copies deposited in Brazilian institutional and private collections, as well as of specimens obtained during field collections and/or for the road of sporadic donations.



Fig. 1: Some native marine shells of Santa Catarina State (Photos: Agudo-Padrón).

For a rapid and basic knowledge of the geographical area that he understands the present study, portion of the Brazilian region in the Southern Cone Atlantic Slope of South America (Fig. 2), consult our previous available regional contributions in the net (Agudo & Bleicker 2006; Agudo 2008).

The species like this striped they were examined with support in the approaches exposed in the specialized literature, including contributions of RIOS (1975, 1985, 1994), VALDÉS (2002) and THOMÉ et al (2004). The exposed systematic order, simplified, accompanies mainly RIOS (1994):

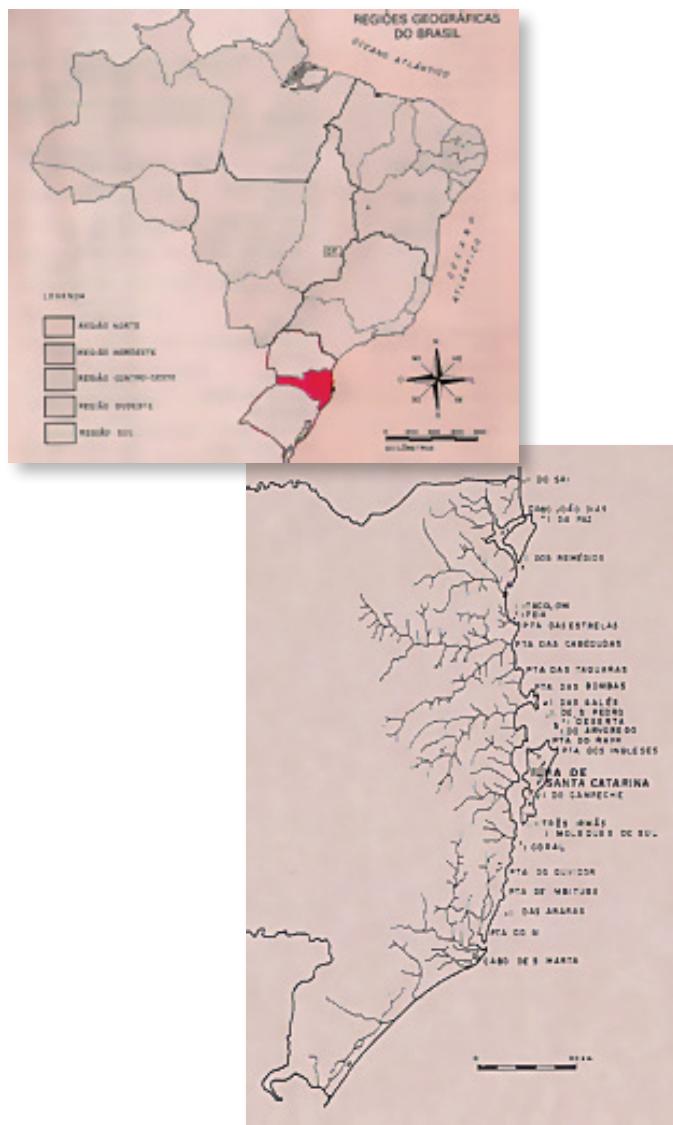


Fig. 2: Geographical localization of Santa Catarina State (red area) in the Southern region of Brazil (Top) and general aspect of your coastal strip (Bottom).

Class POLYPLACOPHORA
(10 espécies, 4 genus, 1 family)

Family ISCHNOCHITONIDAE (10 species)
Chaetopleura angulata (Spengler, 1797)
 (Fig. 3)
Chaetopleura asperrima (Gould, 1852)
Chaetopleura isabellei (d'Orbigny, 1841)
Chaetopleura sowerbiana (Reeve, 1847)



Fig. 3: Common chiton *Chaetopleura angulata* (Spengler, 1797) of Santa Catarina State (Photo: Agudo-Padrón).

Ischnochiton hartmeyeri Thiele, 1910
Ischnochiton lopesi Kaas, 1974
Ischnochiton striolatus (Gray, 1828)
Ischnochiton pectinatus
 (Sowerby, 1840)
Stenoplax purpurascens
 (C. B. Adams, 1845)
Calloplax janeirensis (Gray, 1828)

Class GASTROPODA
(354 species, 176 genus, 80 families)

Family PLEUROTOMARIIDAE (1 species)
Perotrochus atlanticus Rios & Matthews, 1968

Family FISSURELLIDAE (13 species)
Cranopsis (= *Puncturella*) *granulata*
 Seguenza, 1863
Diodora cayenensis (Lamarck, 1822)
Diodora dysoni (Reeve, 1850)
Diodora harrassowitzi (Ihering, 1927)

- Diodora meta* (Ihering, 1927)
Diodora patagonica (d'Orbigny, 1847)
Diodora sp.
Fissurellidea megatrema d'Orbigny, 1841
Fissurella clenchi Farfante, 1943
Fissurella rosea (Gmelin, 1791)
Fissurella sp.
Lucapinella limatula (Reeve, 1850)
Lucapinella henseli (Martens, 1900)
- Family ACMAEIDAE (1 species)
Collisella (= *Acmaea*) *subrugosa*
(d'Orbigny, 1846)
- Family TROCHIDAE (16 species)
Tegula patagonica (d'Orbigny, 1840)
Tegula viridula (Gmelin, 1791)
Calliostoma coppingeri (E. A. Smith, 1880)
Calliostoma jucundum (Gould, 1849)
Calliostoma depictum Dall, 1927
Calliostoma jujubinum (Gmelin, 1791)
Calliostoma adspersum (Philippi, 1851)
Calliostoma axelolssoni Quinn, 1992
Calliostoma echinatum Dall, 1881
Calliostoma militaris (Ihering, 1907)
Calliostoma barbouri Clench & Aguayo, 1946
Calliostoma sapidum Dall, 1881
Calliostoma rota Quinn, 1992
Photinula blakei (Clench & Aguayo, 1938)
Solariella carvalhoi Lopes & Cardoso, 1958
Halistylus columnna Dall, 1890
- Family SKENEIDAE (2 species)
Cyclostremiscus pentagonus (Gabb, 1873)
Cyclostremiscus beautii (Fischer, 1857)
- Family TURBINIDAE (4 species)
Astrea latispina (Philippi, 1844)
Astrea tecta (Lightfoot, 1786)
Astrea olfersii (Philippi, 1846)
Astrea phoebia Röding, 1798
- Family TRICOLIIDAE (1 species)
Tricolia affinis (C. B. Adams, 1850)
- Family SUGUENZIIDAE (1 species)
Seguenzia hapala Woodring, 1928
- Family NERITIDAE (1 species)
Neritina virginea (Linnaeus, 1758)
- Family PHENACOLEPADIDAE (1 species)
Phenacolepas hamillei (Fischer, 1857)
- Family LITTORINIDAE (5 species)
Littorina lineata d'Orbigny, 1841
Littorina flava King & Broderip, 1832
Littorina ziczac (Gmelin, 1791)
Littorina scabra angulifera (Lamarck, 1822)
Littorina lineolata d'Orbigny, 1840
- Family RISSOINIDAE (6 species)
Benthonella tenella (Jeffreys, 1883)
Ceratia rustica (Watson, 1885)
Rissoina indiscreta Leal & Moore, 1989
Rissoina bryerea (Montagu, 1803)
Rissoina catesbyana d'Orbigny, 1842
Rissoina sp.
- Family ASSIMINEIDAE (1 species)
Assiminea succinea (Pfeiffer, 1840)
- Family CAECIDAE (7 species)
Caecum brasiliicum Folin, 1874
Caecum aff. *condylum* Moore, 1969
Caecum pulchellum Stimpson, 1851
Caecum antillarum Carpenter, 1857
Caecum strigosum Folin, 1867
Caecum ryssotitum Folin, 1867
Meioceras (= *Caecum*) *cornucopiae*
(Carpenter, 1858)
- Family VITRINELLIDAE (5 species)
Episcynia inornata (d'Orbigny, 1842)
Solariorbis mooreana (Vanatta, 1904)
Solariorbis shimeri (Clapp, 1914)
Solariorbis shumoi (Vanatta, 1913)
Teinostoma megastoma (C. B. Adams, 1850)
- Family MODULIDAE (1 species)
Modulus modulus (Linnaeus, 1758)
- Family CERITHIIDAE (2 species)
Cerithium atratum (Born, 1778)
Bittium varium (Pfeiffer, 1840)

Family POTAMIDAE (1 species)

Batillaria minima (Gmelin, 1791)

Family VERMETIDAE (4 species)

Dendropoma annulatum (Daudin, 1800)

Petaloconchus erectus (Dall, 1888)

Petaloconchus varians (d'Orbigny, 1841)

Serpulorbis decussatus (Gmelin, 1791)

Family DIASTOMATIDAE (1 species)

Finella dubia (d'Orbigny, 1842)

Family FOSSARIDAE (1 species)

Fossarus orbignyi Fischer, 1854

Family STROMBIDAE (1 species)

Strombus pugilis Linnaeus, 1758

Family HIPPONICIDAE (3 species)

Hipponyx grayanus Menke, 1853

Hipponyx subrufus (Lamarck, 1819)

Hipponix sp.

Family CALYPTRAEIDAE (4 species)

Crepidula aculeata (Gmelin, 1791)

Crepidula plana Say, 1822

Crepidula protea d'Orbigny, 1835

Calyptraea centralis (Conrad, 1841)

Family CAPULIDAE (1 species)

Capulus incurvatus (Gmelin, 1791)

Family NATICIDAE (10 species)

Natica limbata d'Orbigny, 1840

Naticarius (= *Natica*) *canrena*
(Linnaeus, 1758)

Natica pusilla Say, 1822

Natica isabelleana d'Orbigny, 1840

Natica sp.

Polinices hepaticus (Röding, 1798)

Polinices lacteus (Guilding, 1833)

Polinices uberinus (d'Orbigny, 1842)

Sinum maculatum (Say, 1831)

Sinum perspectivum (Say, 1831)

Family XENOPHORIDAE (2 species)

Onustus (= *Xenophora*) *longleyi* Bartsch, 1931

Onustus (= *Xenophora*) *caribaeus* Petit, 1856

Family CYPRAEIDAE (2 species)

Erosaria (= *Cypraea*) *acicularis* Gmelin, 1791

Cypraea zebra Linnaeus, 1758

Family OVLIDAE (4 species)

Cyphoma signatum Pilsbry & McGinty, 1939

Cyphoma intermedium (Sowerby, 1828)

Cyphoma gibsonsmithorum Petuch, 1987

Simnialena (= *Simnia*) *uniplacata*
(Sowerby, 1848)

Family TRIVIIDAE (2 species)

Hespererato (= *Erato*) *maugeriae* (Gray, 1832)

Niveria (= *Trivia*) *maltbiana* (Schwengel &
McGinty, 1942)

Family LAMELLARIIDAE (2 species)

Lamellaria perspicua mopsicolor

E. Marcus, 1956

Lamellaria patagonica E. A. Smith, 1881

Family TONNIDAE (1 species)

Tonna galea (Linnaeus, 1758)

Family CASSIDAE (5 species)

Cypraecassis testiculus (Linnaeus, 1758)

Phalium (= *Semicassis*) *labiatum iheringi*
Carcelles, 1953

Phalium (= *Semicassis*) *granulatum*
(Born, 1778)

Eudolium crosseanum (Monterosato, 1869)

Semicassis granulatum peristephes
(Pilsbry & McGinty, 1939)

Family RANELLIIDAE (= CYMATIIDAE) (12 species)

Ranella olearium barcellosi Mathews, Rios &
Coelho, 1973

Ranella australasia gemmifera
(Euthyme, 1889)

Cabestana (= *Cymatium*) *felipponei*
(Ihering, 1907)

Charonia lampas pustulata (Euthyme, 1889)

Cymatium femorale (Linnaeus, 1758)

Cymatium labiosum (Wood, 1828)

Cymatium nicobaricum (Roding, 1798)

Cymatium parthenopeum parthenopeum
(von Salis, 1793)
Linatella (= *Cymatium*) *caudata*
(= *cinctum*) (Gmelin, 1791) (Fig. 4)



Fig. 4: *Cymatium cinctum* (Gmelin, 1791), severe maricultural pest in Santa Catarina State (Photo: Agudo-Padrón).

Linatella succinta (Linnaeus, 1771)
Fusitriton brasiliensis Cossignani &
Cossignani, 2003
Fusitriton magellanicus (Röding, 1798)

Family BURSIDAE (3 species)

Bursa corrugata ponderosa (Reeve, 1844)
Bursa latitudo natalensis Coelho &
Mathews, 1970
Bursa ranelloides tenuisculpta (Dautzenberg &
Fischer, 1906)

Family CERITHIOPSIDAE (4 species)

Cerithiopsis gemmulosa (C. B. Adams, 1839)
Cerithiopsis greenii (C. B. Adams, 1839)
Cerithiopsis emersoni (C. B. Adams, 1838)
Seila adamsi (H. Lea, 1845)

Family TRIPHORIDAE (2 species)

Triphora nigrocincta (C. B. Adams, 1839)
Triphora pulchella (C. B. Adams, 1850)

Family EPITONIIDAE (12 species)

Epitonium albidum (d'Orbigny, 1842)
Epitonium angulatum (Say, 1830)
Epitonium georgettina (Kiener, 1839)

Epitonium humphreysii (Kiener, 1838)
Epitonium krebsi (Morch, 1874)
Epitonium novangliae (Couthouy, 1838)
Epitonium nautilae (Morch, 1874)
Epitonium tenuistriatum (d'Orbigny, 1840)
Epitonium unifasciatum (Sowerby, 1844)
Epitonium candeanum (d'Orbigny, 1842)
Opalia crenata (Linnaeus, 1758)
Opalia hotessieriana (d'Orbigny, 1842)

Family JANTHINIDAE (3 species)

Janthina janthina (Linnaeus, 1758)
Janthina exigua Lamarck, 1816
Recluzia rollandiana Petit, 1853

Family EULIMIDAE (= STROMBIFORMIDAE;

MELANELLIDAE) (7 species)

Eulima cf. hemphilli (Dall, 1884)
Eulima mulata Rios & Absalão, 1990
Balcis breviuscula (Dunker, 1875)
Melanella arcuata (C. B. Adams, 1850)
Melanella breviuscula (Dunker, 1875)
Melanella hebes (Watson, 1883)
Melanella sarissa (Watson, 1883)

Family ACLIDIDAE (1 species)

Aclis underwoodae (Bartsch, 1947)

Family MURICIDAE (15 species)

Chicoreus (= *Siratus*) *beauvii* (Fischer &
Bernardi, 1857)
Chicoreus (= *Siratus*) *senegalensis*
(Gmelin, 1790)
Chicoreus (= *Siratus*) *tenuivaricosus*
(Dautzenberg, 1927)
Phyllonotus pomum ocularis (Reeve, 1845)
Muricopsis necocheana (Pilsbry, 1900)
Favartia cellulosa (Conrad, 1846)
Coronium (= *Fulgurofusus*) *coronatum*
(Penna-Neme & Leme, 1978)
Coronium elegans Simone, 1996
Trachipollia turricula (von Maltzan, 1884)

Trachipollia (= *Morula*) *nodulosa*

(C. B. Adams, 1845)

Urosalpinx cala (Pilsbry, 1897)

Urosalpinx haneti (Petit, 1856)

Trophon pelseneeri E. A. Smith, 1915

Typhis cleryi (Petit, 1842)

Typhis riosi Bertsch & D'Átilio, 1980

Family CORALLIOPHILIDAE (3 species)

Coralliophila aberrans (C. B. Adams, 1850)

Latiaxis dalli Emerson & D'Átilio, 1963

Latiaxis basilium Neme & Leme, 1978

Family THAIDIDAE (2 species)

Stramonita (= *Thais*) *haemastoma*

(Linnaeus, 1767)

Thais mariae Morretes, 1954

Family BUCCINIDAE (5 species)

Metula anfractura Matthews & Rios, 1969

Metula gigliottii Coltro, 2005

Metula sp.

Pisania auritula (Link, 1807)

Pisania pusio (Linnaeus, 1758)

Family COLUMBELLIDAE (15 species)

Aesopus metcalfei (Reeve, 1858)

Amphissa cancellata (Castellanos, 1982)

Amphissa acuminata (E. A. Smith, 1915)

Anachis (= *Costoanachis*) *catenata*
(Sowerby, 1844)

Anachys lyrata (Sowerby, 1832)

Anachis pulchella (Blainville, 1829)

Anachis sertulariarum d'Orbigny, 1841

Anachis (= *Costoanachis*) *sparsa*
(Reeve, 1859)

Anachis isabellei (d'Orbigny, 1841)

Anachis (= *Parvanachis*) *obesa*
(C. B. Adams, 1845)

Anachis pulchella (C. B. Adams, 1845)

Mazatlania aff. fulgurata (Philippi, 1846)

Mitrella argus (d'Orbigny, 1842)

Mitrella lunata (Say, 1826)

Suturoglypta hotessieriana (d'Orbigny, 1842)

Family NASSARIIDAE (9 species)

Nassarius albus (Say, 1826)

Nassarius vibex (Say, 1822)

Nassarius scissuratus (Dall, 1889) =
coppingeri (E. A. Smith, 1881)

Dorsanum moniliferum (Valenciennes, 1834)

Buccinanops duartei Klappenbach, 1961

Buccinanops gradatum (Deshayes, 1844)

Buccinanops lamarcii (Kiener, 1834)

Buccinanops uruguayensis (Pilsbry, 1897)

Buccinanops deformis (King &
Broderip, 1832)

Family MELONGENIDAE (1 species)

Pugilina morio (Linnaeus, 1758)

Family FASCIOLARIIDAE (3 species)

Fusinus frenguelli (Carcelles, 1953)

Fusinus marmoratus (Philippi, 1846)

Leucozonia nassa (Gmelin, 1791)

Family VOLUTIDAE (12 species)

Zidona dufresnei (Donovan, 1823)

Zidona dufresneyi disctincta (Lahille, 1895)

Adelomelon ancilla (Lightfoot, 1786)

Adelomelon beckii (Broderip, 1836) (Fig. 5)



Fig. 5: *Adelomelon beckii* (Broderip, 1836) of Santa Catarina State, one of the largest gastropods of South America (Photo: Agudo-Padrón).

Adelomelon (= *Pachycymbiola*) *brasiliiana* (Lamarck, 1811)
Adelomelon riosi Clench & Turner, 1964
Odontocymbiola americana (Reeve, 1856)
Odontocymbiola (= *Minicymbiola*) *corderoi* (Carcelles, 1953)
Odontocymbiola magellanica (Gmelin, 1791)
Odontocymbiola simulatrix Leal & Bouchet, 1989
Odontocymbiola macaensis Calvo & Coltro, 1997
Nanomelon viperinus Leal & Bouchet, 1989

Family OLIVIDAE (20 species)

Oliva circinata Marrat, 1870 (= *reticularis* Lamarck, 1811)
Oliva fulgurator (Röding, 1798)
Olivancillaria carcellesi Klappenbach, 1965
Olivancillaria contortuplicata (Reeve, 1850)
Olivancillaria deshayesiana (Duclos, 1857)
Olivancillaria uretai Klappenbach, 1965
Olivancillaria urceus (Roding, 1798)
Olivancillaria vesica vesica (Gmelin, 1791)
Olivancillaria vesica auricularia (Lamarck, 1810) (Fig. 6)



Fig. 6: *Olivancillaria vesica auricularia* (Lamarck, 1810), common species in sandy beaches of Santa Catarina State (Photos: Agudo-Padrón).

Ancilla dimidiata (Sowerby, 1850)
Olivella nivea (Gmelin, 1791)
Olivella petiolita (Duclos, 1835)
Olivella defiorei Klappenbach, 1964
Olivella minuta (Link, 1807)
Olivella orejasimirandai Klappenbach, 1986
Olivella puelcha (Duclos, 1840)
Olivella formicacorsii Klappenbach, 1962
Olivella sp.
Agaronia travassosi Morretes, 1938
Amalda josecarlosi Pastorino, 2003

Family MARGINELLIDAE (3 species)

Prunum (= *Marginella*) *martini* (Petit, 1853)
Prunum (= *Marginella*) *rubens* (Martens, 1881)
Volvarina pontesi Rios & Leal, 1993

Family MITRIDAE (2 species)

Mitra anfractura Mattews & Rios, 1970
Mitra larranagai (Carcelles, 1947)

Family CONIDAE (7 species)

Conus clerii Reeve, 1844
Conus clenchi Martins, 1943
Conus villepinii Fischer & Bernardi, 1867
Conus xanthocinctus Petuch, 1986
Conus mazei Deshayes, 1874
Conus tostesi Petuch, 1979
Conus sp.

Family TURRIDAE (32 species)

Cerodrillia perryae Bartsch & Rehder, 1939
Drilliola (= *Microdrillia*) *comatotropis* (Dall, 1881)
Splendrillia lissotropis (Dall, 1881)
Polystira formosissima (E. A. Smith, 1915)
Carinodrillia brasiliensis (E. A. Smith, 1915)
Fusiturridula taurina (Olsson, 1922)
Compsodrillia tristicha (Dall, 1889)
Compsodrillia sp.
Pilsbryspira albomaculata (d'Orbigny, 1842)
Pilsbryspira sp.
Cochlespira elongata Simone, 1999
Brachytoma rioensis (E. A. Smith, 1915)
Stenodrillia (= *Knefastia*) *horrenda* (Watson, 1885)

Cochlespira cf. *elegans* (Dall, 1881)
Glyphostoma epicasta (Bartsch, 1934)
Mangelia fusca C. B. Adams, 1850
Mangelia quadrata (Reeve, 1845)
Mangelia rugirima (Dall, 1889)
Cryoturris adamsi (E. A. Smith, 1884)
Kurtziella rhysa (Watson, 1881)
Kurtziella dorvillae (Reeve, 1845)
Granoturris (= *Kurtziella*) *padolina*
 Fargo, 1953
Ithythyra hyperlepta Haas, 1953
Ithythyra lanceolata (C. B. Adams, 1850)
Pyrgocythara albovittata (C. B. Adams, 1845)
Pyrgocythara caribaea (d'Orbigny, 1842)
Pyrgocythara guarani (d'Orbigny, 1841)
Tenaturris fulgens (E. A. Smith, 1888)
Pleurotomella aguayoi (Carcelles, 1953)
Pleurotomella circumvoluta (Watson, 1881)
Veprecula morra (Dall, 1881)
Fenimorea sp.

Family TEREBRIDAE (7 species)

Terebra brasiliensis (E. A. Smith, 1873)
Terebra doello-juradoi Carcelles, 1953
Terebra gemmulata Kiener, 1839
Terebra riosi Bratcher & Cernohorsky, 1985
Terebra taurina (Lightfoot, 1786)
Hastula cinerea (Born, 1778)
Hastula hastata (Gmelin, 1791)

Family ARCHITECTONICIDAE (3 species)

Architeconica nobilis Roding, 1798
Heliacus bisulcatus (d'Orbigny, 1845)
Philippia uruguaya (Carcelles, 1953)

Family PYRAMIDELLIDAE (17 species)

Odostomia canaliculata C. B. Adams, 1850
Odostomia laevigata (d'Orbigny, 1842)
Odostomia muelleri Clessin, 1900
Odostomia bisuturalis (Say, 1822)
Odostomia seminuda (C. B. Adams, 1837)
Fargoa (= *Odostomia*) *bushiana* Bartsch, 1909
Chrysallida (= *Odostomia*) *jadisi* Olsson &
 McGinty, 1958

Peristichia agria Dall, 1889
Turbanilla uruguayensis Pilsbry, 1897
Turbanilla pusilla (C. B. Adams, 1850)
Turbanilla americana (d'Orbigny, 1840)
Turbanilla dispar Pilsbry, 1897
Turbanilla fasciata (d'Orbigny, 1840)
Turbanilla interrupta (Totten, 1835)
Turbanilla haycocki Dall & Bartsch, 1911
Turbanilla abrupta Bush, 1899
Turbanilla sp.

Family CYLICHNIDAE (6 species)

Cylichna aff. *crispula* Watson, 1883
Cylichna verrillii Dall, 1889
Acteocina bullata (Kiener, 1834)
Acteocina bidentata (d'Orbigny, 1841)
Acteocina candei (d'Orbigny, 1842)
Acteocina inconspicua Olsson &
 McGinty, 1958

Family AMATHINIDAE (1 species)

Iselica anomala (C. B. Adams, 1850)

Family ACTEONIDAE (2 species)

Acteon pelecais Marcus, 1981
Mysouffa cumingii (A. Adams, 1854)

Family BULLIDAE (1 species)

Bulla striata Bruguère, 1792

Family HAMINEIDAE (1 species)

Haminoea elegans (Gray, 1825)

Family RETUSIDAE (2 species)

Pyrunculus caelatus (Bush, 1885)
Volvulella persimilis (Morch, 1875)

Family APLYSIIDAE (3 species)

Aplysia juliana Quoy & Gaimard, 1823
Aplysia brasiliiana Rang, 1828
Aplysia dactylomela Rang, 1828 (Fig. 7)



Fig. 7: Seaslug *Aplysia dactylomela* of Santa Catarina State (Photo: Agudo-Padrón).

Family PLEUROBRANCHIDAE (1 species)
Pleurobranchus areolatus Mørch, 1836

Family ATLANTIDAE (1 species)
Atlanta peronii Lesuer, 1817

Family CAVOLINIIDAE (10 species)
Cavolinia gibbosa (d'Orbigny, 1836)
Cavolinia inflexa imitans (Pfeffer, 1879)
Cavolinia tridentata Niebuhr, 1775
Cavolinia uncinata (Rang, 1813)
Cavolinia sp.
Diacria trispinosa (Blainville, 1821)
Cuvierina spoeli Rampal, 2002
Clio pyramidata lanceolata (Lesueur, 1813)
Creseis acicula (Rang, 1802)
Creseis sp.

Family POLYCERIDAE (1 species)
Polycera aurisula Marcus, 1957

Family DORIDIDAE (2 species)
Doris verrucosa Cuvier, 1804
Etidoris ladislavii Ihering, 1886

Family DENDRODORIDIDAE (1 species)
Dendrodoris krebsi (Mørch, 1863)

Family TRITONIIDAE (1 species)
Marionia cucullata (Gould, 1852)

Family ARMINIDAE (1 species)
Armina mulleri (Ihering, 1886)

Family GLAUCIDAE (= FAVORINIDAE) (1 species)
Dondice occidentalis (Engel, 1925)

Family AEOLIDIIDAE (= SPURILLIDAE) (1 species)
Spurilla neapolitana (Delle Chiaje, 1923)

Family PTEROTRACHEIDAE (1 species)
Piroloidea desmarestia Lesueur, 1817

Family ONCHIDIIDAE (1 species)
Onchidella indolens (Gould, 1852)

Family TRIMUSCULIDAE (1 species)
Trimusculus goesi Hubendick, 1946

Family UMBRACULIDAE (1 species)
Umbraculum sp.

Family SIPHONARIIDAE (2 species)
Siphonaria hispida E. A . Smith, 1890
Siphonaria lessoni (Blainville, 1824)

Class BIVALVIA
(222 species, 118 genus, 48 families)

Family NUCULIDAE (2 species)
Nucula semiornata d'Orbigny, 1846
Nucula puelcha d'Orbigny, 1846

Family NUCULANIDAE (3 species)
Nuculana larranagai Klappenbach &
Scarabino, 1968
Adrana electa (A. Adams, 1846)
Adrana patagonica (d'Orbigny, 1846)

Family NEILONELLIDAE (1 species)
Neilonella acinula Dall, 1889

Family ARCIDAE (8 species)
Arca imbricata Bruguiere, 1789
Barbatia cancellaria (Lamarck, 1819)
Barbatia dominguensis (Lamarck, 1819)
Barbatia candida (Helbling, 1779)
Anadara brasiliiana (Lamarck, 1819)

Anadara chemnitzii (Philippi, 1851)

Anadara notabilis (Roding, 1798)

Anadara (Lunarca) ovalis (Bruguière, 1789)

Family NOETIIDAE (2 species)

Noetia bisulcata (Lamarck, 1819)

Arcopsis adamsi (Dall, 1886)

Family LIMOPSIDAE (1 species)

Limopsis janeiroensis E. A. Smith, 1915

Family GLYCYMERIDIDAE (3 species)

Glycymeris longior (Sowerby, 1833)

Glycymeris undata (Linnaeus, 1758)

Glycymeris pectinata (Gmelin, 1791)

Family MYTILIDAE (13 species)

Brachidontes exustus (Linnaeus, 1758)

Brachidontes solisianus (d'Orbigny, 1846)

Mytella charruana (d'Orbigny, 1842)

Mytella guyanensis (Lamarck, 1819)

Perna perna (Linnaeus, 1758)

Modiolus carvalhoi Klappenbach, 1966

Lioberus castaneus (Say, 1822)

Gregariella coralliophila (Gmelin, 1791)

Musculus lateralis (Say, 1822)

Musculus viator (d'Orbigny, 1846)

Lithophaga bisulcata (d'Orbigny, 1842)

Lithophaga patagonica (d'Orbigny, 1847)

Myoforceps aristatus (Dillwyn, 1817)

Family PTERIIDAE (2 species)

Pteria colymbus (Röding, 1798) = *Pteria hirundo* (Linnaeus, 1758)

Pinctada imbricata Roding, 1798

Family ISOGNOMONIDAE (1 species)

Isognomon bicolor (C. B. Adams, 1845)

Family PINNIDAE (2 species)

Pinna carnea Gmelin, 1791

Atrina seminuda (d'Orbigny, 1846)

Family LIMIDAE (3 species)

Lima scabra (Born, 1778)

Limaria inflata Lamarck, 1819

Limaria pellucida (C. B. Adams, 1846)

Family OSTREIDAE (8 species)

Ostrea cristata Born, 1778

Ostreola (= *Ostrea*) *equestris* (Say, 1834)

Ostrea puelchana d'Orbigny, 1841

Crassostrea gigas (Thunberg, 1795)

Crassostrea rhizophorae (Guilding, 1828)

Crassostrea brasiliiana Lamarck, 1819 (Fig. 8)



Fig. 8: Shells of giant estuarine native oysters *Crassostrea* cf. *brasiliiana* Lamarck, 1819 of Santa Catarina State (Photo: Agudo-Padrón).

Crassostrea virginica (Gmelin, 1791)

Dendostrea (= *Lopha*) *frons* (Linnaeus, 1758)

Family PLICATULIDAE (1 species)

Plicatula gibbosa Lamarck, 1801

Family PECTINIDAE (8 species)

Chlamys muscosus (Wood, 1828)

Chlamys sentis (Reeve, 1853)

Chlamys tehuelchus (d'Orbigny, 1846)

Argopecten (= *Chlamys*) *gibbus*

(Linnaeus, 1758)

Argopecten noronhensis (E. A. Smith, 1885)

Leptopecten bavary (Dautzenberg, 1900)

Nodipecten (= *Lyropecten*) *nodosus*

(Linnaeus, 1758) (Fig. 9)



Fig. 9: Native scallop *Nodipecten nodosus* (Linnaeus, 1758) of Santa Catarina State (Photo: Agudo-Padrón).

Euvola (= Pecten) zigzag (Linnaeus, 1758)

Family SPONDYLIDAE (1 species)

Spondylus ictericus Reeve, 1856

Family ANOMIIDAE (2 species)

Anomia ephippium Linnaeus, 1758
Pododesmus rufus (Broderip, 1834)

Family LUCINIDAE (9 species)

Lucina pectinata (Gmelin, 1791)
Lucina rehderi Britton, 1972
Codakia costata (d'Orbigny, 1842)
Codakia orbicularis (Linnaeus, 1758)
Ctena (= Codakia) orbiculata (Montagu, 1808)
Ctena sp.
Linga amiantus (Dall, 1901)
Myrtea lens (Verill & Smith, 1880)
Lucina tixierae (Klein, 1969)
Divaricella quadrivalvis (d'Orbigny, 1842)

Family THYASIRIDAE (1 species)

Thyasira trisinuata d'Orbigny, 1842

Family SPORTELLIDAE (1 species)

Basterotia quadrata (Hinds, 1843)

Family UNGULINIDAE (6 species)

Diplodonta danieli Klein, 1967
Diplodonta patagonica (d'Orbigny, 1842)
Diplodonta punctata (Say, 1822)
Felaniela candeana (d'Orbigny, 1842)
Felaniela vilardeboana (d'Orbigny, 1846)
Phlyctiderma semiaspera (Philippi, 1836)

Family CARDITIDAE (2 species)

Carditamera floridana Conrad, 1838
Carditamera plata (Ihering, 1907)

Family CONDYLOCARDIIDAE (1 species)

Carditopsis smithii (Dall, 1896)

Family CHAMIDAE (5 species)

Chama congregata Conrad, 1833
Chama macerophylla (Gmelin, 1791)
Chama sarda Reeve, 1847
Pseudochama radians (Lamarck, 1819)
Arcinella brasiliiana (Nicol, 1953)

Family CRASSATELLIDAE (5 species)

Crassatella brasiliensis (Dall, 1903)
Crassatella riograndensis Vokes, 1973
Crassinella lunulata (Conrad, 1834)
Crassinella marplatensis Castellanos, 1970
Crassinella martinicensis (d'Orbigny, 1842)

Family CARDIIDAE (6 species)

Trachycardium manoeli Prado, 1993
Trachycardium muricatum (Linnaeus, 1758)
Papyridea soleniformis (Bruguière, 1789)
Nemocardium (= Microcardium) tinctum (Dall, 1881)
Laevicardium brasiliense (Lamarck, 1819)
Laevicardium laevigatum (Linnaeus, 1758)

Family MACTRIDAE (11 species)

Mactra isabelleana d'Orbigny, 1846
Mactra marplatensis Doello-Jurado, 1918
Mactra patagonica d'Orbigny, 1846
Mactra fragilis Gmelin, 1791
Mactra iheringi Dall, 1897
Mactra petiti d'Orbigny, 1846
Mactra janeiroensis E. A. Smith, 1915
Mactrellona alata (Spengler, 1802)

Mulinia cleryana (d'Orbigny, 1846)

Anatina anatina (Spengler, 1802)

Raeta plicatella (Lamarck, 1818)

Family MESODESMATIDAE (1 species)

Mesodesma mactroides Deshayes, 1854

Family SOLENIDAE (2 species)

Solen tehuelchus d'Orbigny, 1843

Solen obliquus Spengler, 1794

Family TELLINIDAE (23 species)

Tellina radiata Linnaeus, 1758 (= *brasiliiana* Spengler, 1798)

Tellina diantha Boss, 1964

Tellina exerythra Boss, 1964

Tellina versicolor De Kay, 1843

Tellina alternata Say, 1822

Tellina angulosa Gmelin, 1791

Tellina lineata Turton, 1819

Tellina nitens C. B. Adams, 1845

Tellina punicea Born, 1778

Tellina aequistriata Say, 1824

Tellina alerta Boss, 1964

Tellina martinicensis d'Orbigny, 1853

Tellina sandix Boss, 1968

Tellina listeri Roding, 1798

Tellina sp.

Strigilla carnaria (Linnaeus, 1758)

Strigilla pisiformis (Linnaeus, 1758)

Macoma cleryana (d'Orbigny, 1846)

Macoma tenta (Say, 1834)

Macoma constricta (Bruguière, 1792)

Macoma brevifrons (Say, 1834)

Macoma uruguayensis (E. A. Smith, 1885)

Temnoconcha brasiliiana Dall, 1921

Family SEMELIDAE (8 species)

Semele casali Doello-Jurado, 1949

Semele proficua (Pulteney, 1799)

Semele purpurascens (Gmelin, 1791)

Semele nuculoides (Conrad, 1841)

Semele modesta (Reeve, 1853)

Abra aequalis (Say, 1822)

Abra lioica (Dall, 1881)

Ervilia concentrica (Holmes, 1860)

Family PSAMMOBIIDAE (7 species)

Sanguinolaria sanguinolenta (Gmelin, 1791)

Sanguinolaria cruenta (Lightfoot, 1786)

Solecurtus cumingianus (Dunker, 1861)

Solecurtus sanctaemartha Orbigny, 1842

Gari sp.

Tagelus plebeius (Lightfoot, 1786)

Tagelus divisus (Spengler, 1794)

Family DONACIDAE (3 species)

Donax gemmula Morrison, 1971

Donax hanleyanus Philippi, 1842

Iphigenia brasiliiana (Lamarck, 1818)

Family GAIMARDIIDAE (1 species)

Gaimardia trapezina (Lamarck, 1819)

Family VENERIDAE (25 species)

Ventricularia rigida (Dillwyn, 1817)

Gouldia cerina (C. B. Adams, 1845)

Chione cancellata (Linnaeus, 1767)

Chione pubera (Bory Saint-Vicent, 1827)

Chione paphia (Linnaeus, 1767)

Anomalocardia brasiliiana (Gmelin, 1791)

Protothaca antiqua (King & Broderip, 1835)

Protothaca pectorina (Lamarck, 1818)

Protothaca sp.

Tivela fulminata (Valenciennes, 1827)

Tivela mactroides (Born, 1778)

Tivela ventricosa (Gray, 1838)

Tivela isabelleana (d'Orbigny, 1846)

Tivela foresti Fischer-Piette & Testud, 1967

Transenella stimpsoni Dall, 1902

Pitar fulminatus (Menke, 1828)

Pitar palmeri Fischer-Piette & Testud, 1967

Pitar rostratus (Koch, 1844)

Pitar circinatus (Born, 1778)

Amiantis purpuratus (Lamarck, 1818)

Callista (= *Macrocallista*) *maculata* (Linnaeus, 1758)

Transenpithecus americana (Doello-Jurado, 1951)

Dosinia concentrica (Born, 1778)

Dosinia sp.

Cyclinella tenuis (Récluz, 1852)

Family PETRICOLIDAE (3 species)

Petricola lapicida (Gmelin, 1791)

Petricola stellae Narchi, 1975
Petricola typica (Jonas, 1844)

Family MYIDAE (1 species)
Sphenia antillensis Dall & Simpson, 1901

Family CORBULIDAE (3 species)
Corbula caribaea Orbigny, 1842
Corbula lyoni Pilsbry, 1897
Corbula cubaniana d'Orbigny, 1853

Family ERODONIDAE (1 species)
Erodona mactroides Bosc, 1802

Family GASTROCHAENIDAE (1 species)
Gastrochaena hians (Gmelin, 1791)

Family HIATELLIDAE (2 species)
Hiatella arctica (Linnaeus, 1767)
Panopea abbreviata Valenciennes, 1839

Family PHOLADIDAE (7 species)
Pholas campechiensis Gmelin, 1791
Barnea truncata (Say, 1822)
Cyrtopleura costata (Linnaeus, 1758)
Cyrthopleura lanceolata (d'Orbigny, 1846)
Martesia striata (Linnaeus, 1758)
Martesia fragilis Verrill & Bush, 1890
Martesia cuneiformis (Say, 1822)

Family TEREDINIDAE (18 species)
Teredo navalis Linnaeus, 1758
Teredo bartschi Clapp, 1923
Teredo fulleri Clapp, 1924
Teredo sp.
Lyrodus floridanus (Bartsch, 1922)
Lyrodus pedicellatus (Quatrefages, 1849)
Psiloteredo healdi (Bartsch, 1922)
Neoteredo reynei (Bartsch, 1920)
Spathoteredo spatha (Jeffreys, 1860)
Nausitora fusticula (Jeffreys, 1860)
Bankia carinata (Gray, 1827)
Bankia gouldi Bartsch, 1908
Bankia destructa Clench & Turner, 1946
Bankia cieba Clench & Turner, 1946
Bankia bagidaensis (Roch, 1931)
Bankia rochi (Moll, 1931)

Bankia setacea (Tryon, 1863)
Bankia martensi (Stempell, 1899)

Family THRACIIDAE (2 species)
Thracia similis Couthony, 1839
Asthenothaerus rushii (Pilsbry, 1897)

Family PERIPLOMATIDAE (1 species)
Periploma ovata d'Orbigny, 1846

Family PANDORIDAE (2 species)
Pandora arenosa Conrad, 1834
Pandora brasiliensis Sowerby, 1874

Family CUSPIDARIIDAE (2 species)
Cardiomya ornatissima (d'Orbigny, 1842)
Cardiomya perrostrata (Dall, 1881)

Family VERTICORDIIDAE (1 species)
Spinosipella sp.

Class SCAPHPODA (10 species, 3 genus, 2 families)

Family DENTALIIDAE (9 species)
Dentalium (Dentalium) americanum
Chenu, 1843
Dentalium (Dentalium) laqueatum
Verrill, 1885
Dentalium (Heteroschismoides) callithrix
Dall, 1889
Dentalium (Antalis) ceratum Dall, 1881
Dentalium (Antalis) disparile d'Orbigny, 1842
Dentalium (Antalis) infractum Odhner, 1931
Dentalium (Fissidentalium) carduum
(=floridense) (Dall, 1889)
Graptacme perlóngum (Dall, 1881)
Graptacme semistriolatum (Guilding, 1834)(3)

Family SIPHONODENTALIIDAE (1 species)
Cadulus (Polyschides) tetraschistus
Watson, 1879

Class CEPHALOPODA (9 species, 9 genus, 6 families)

Family SPIRULIDAE (1 species)
Spirula spirula Lamarck, 1801 (Fig. 10)



Fig. 10: Internal shells of *Spirula spirula* Lamarck, 1801 collected in beaches of Santa Catarina State (Photo: Agudo-Padrón).

Family LOLIGINIDAE (3 species)

Loligo sanpaulensis Brakoniecki, 1984

(= *L. brasiliensis* Blainville, 1823)

Doryteuthis (= *Loligo*) *plei* (Blainville, 1823)

Loligocula brevis (Blainville, 1823)

Family OMMASTREPHIDAE (1 species)

Illex argentinus Castellanos, 1960

Family ARCHITEUTHIDAE (1 species)

Architeuthis sp.

Family OCTOPODIDAE (2 species)

Octopus vulgaris Cuvier, 1797 (Fig. 11)

Scaeurgus unicirrhus (d'Orbigny, 1840)

Family ARGONAUTIDAE (1 species)

Argonauta nodosa Lightfoot, 1786 (Fig. 12)



Fig. 12: Shells of *Argonauta nodosa* Lightfoot, 1786 collected in beaches of Santa Catarina State (Photo: Agudo-Padrón).



Fig. 11: Common octopus, *Octopus vulgaris* Cuvier, 1797, of Santa Catarina State (Photos: Agudo-Padrón).

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