MARINE MOLLUSKS FROM BOUGAINVILLE AND FLORIDA, SOLOMON ISLANDS

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My checklist of the Solomon Island marine and fresh-water mollusks (Solem, 1953) was based on a large collection donated to Chicago Natural History Museum by Captain J. M. Ross and supplemented by a series of records in the literature. Two small collections of marine shells given to the University of Michigan Museum of Zoology add to our knowledge of the fauna, and the additional data are reported below.

I did not communicate with Dr. C. E. Fox, who presented the shells to Captain Ross, until after the checklist had been published. Dr. Fox then informed me that all the shells he gave to Captain Ross were found near Guadalcanal and Malaita Islands. The locality “Solomon Islands” cited by me (Solem, 1953) for the Fox collection should be restricted to “Guadalcanal and Malaita.”

Since September, 1952, when my manuscript (Solem, 1953) was submitted, the checklist of Kuroda and Habe (1952), the semi-popular book of Kira (1955), and the ecological study of Demond (1957) have brought to my attention a number of nomenclatural changes affecting the names used by me (Solem, 1953). These changes in no way alter the taxonomic position of the genera and species—only the names applied to the units. Both below, and in a report on the New Hebridean marine fauna (Solem, in press), a number of nomenclatural changes are recorded.

The primary need in the study of Indo-Pacific marine shells is for monographic treatments of families and genera. Clear concepts of speciation do not exist and nearly all identifications of species must be extremely tentative. Local faunal lists are useful for distribution records of species only if the authority for identification is clearly indicated. Both below and in a previous report (Solem, in press),
material which I have identified personally is accompanied by citation of a reference figure, from Hirase and Taki (1951) or Kira (1955), for well-known species, or from one of the standard iconographies (Reeve, Sowerby, Martini and Chemnitz, Tryon, or Kiener), for less familiar forms. It is hoped that this procedure will greatly increase the value of this list to other workers.

MATERIAL STUDIED

Most of the specimens reported on below were collected by Dr. Harold W. Harry and Commander Robert E. Kuntz during their military service in the Solomons. Dr. Harry collected at Torokina Point, Empress Augusta Bay, Bougainville Island, in November, 1945; Commander Kuntz was stationed on Florida Island from 1944 to 1945. Most of Kuntz's marine shells were picked up from beach drift along the bay opposite Tulagi Island, but some specimens came from definite collecting stations. The "FLW" and "SM" numbers refer to individual stations on Florida Island. A list of the stations, together with ecological data, will be given in a separate report on the land mollusks of Florida Island.

A few additional specimens in Chicago Natural History Museum and the University of Michigan Museum of Zoology are reported on at this time and records from Hedley (1899) and C. R. Boettger (1916) are incorporated.

ACKNOWLEDGMENTS

For permission to study the Kuntz and Harry collections I am indebted to Dr. Henry van der Schalie and the late J. Speed Rogers of the University of Michigan Museum of Zoology. The specimens were studied at Chicago Natural History Museum in 1953, 1954, and 1955, together with New Hebridean, Admiralty Island, and Micronesian marine shells. The material is deposited in the University of Michigan collection of mollusks, except for a few duplicates donated to Chicago Natural History Museum. For assistance during my work on these collections I am indebted to Dr. Fritz Haas and the late Karl P. Schmidt.

SYSTEMATIC LIST

Unless otherwise indicated, all records from Bougainville represent material collected by Harold Harry and all from Florida Island are those of specimens found by Robert Kuntz. "B" indicates a record from C. R. Boettger (1916), "H" a record from Hedley (1899),
and "E" a specimen collected by Walter J. Eyerdam. Species preceded by an asterisk were not formerly listed by me (Solem, 1953) and thus represent new distribution records. The use of trinomials does not indicate geographic subspecies, but only morphologic forms whose taxonomic status remains to be determined.

**PELECYPODA**

**Arcidae**

*Anadara disparilis* Reeve (=*rhomboidalis* Chemnitz)
   Buka (B)

*Anadara scapha* Meuschen
   Kira (1955, pl. 43, fig. 12)
   Florida, Bougainville, Malaita (E)

Arca ventricosa Lamarck
   Hirase and Taki (1951, pl. 1, fig. 8)
   Florida

Barbatia bicolorata Dillwyn (=*fusca* Bruguière)
   Hirase and Taki (1951, pl. 2, fig. 4)
   Florida, Bougainville

**Mytilidae**

Brachidontes (Septifer) bilocularis Linne
   Florida and Taki (1951, pl. 18, fig. 2)
   Florida

Modiolus (Modiolus) philippinarum Hanley
   Reeve, Modiolus, pl. 1, fig. 1
   Florida

**Pteriidae**

*Pinctada (Pinctada) maxima* Jameson
   Buka (B)

**Pectinidae**

Comptopallium pauciplicatum Iredale (= *radula* Linné?) (unfigured)
   Florida

Spondylus ducalis Röding (=*squamosus* Schreibers)
   Florida and Taki (1951, pl. 15, fig. 2)
   Bougainville

Spondylus hystrix Röding
   Reeve, Spondylus, pl. 14, fig. 50
   Florida

**Ostreidae**

*Ostrea cristagalli* Linné
   Florida, Ostrea, pl. 28, fig. 72
   Florida (H)

**Corbiculidae**

Batissa violacea Deshayes
   Martini and Chemnitz, 9, (3), pl. 33, fig. 5
   FLW 17

*Polymesoda (Geloina) cyprinoides* Quoy and Gaimard
   Martini and Chemnitz, 9, (3), pl. 20, figs. 3, 4
   FLW 54, Florida, Bougainville
Carditidae
  *Beguina (Mytilicardita) variegata Bruguière
    Hirase and Taki (1951, pl. 24, fig. 1)
    Florida

Cardiidae
  *Trachycardium flavum Linné
    Reeve, Cardium, pl. 14, fig. 68
    Tulagi (E)

Tridacnidae
  Hippopus hippocus Linné
    Hirase and Taki (1951, pl. 25, fig. 3)
    Tulagi (Harry)
  Tridacna crocea Lamarck
    Steward (B)
  *Tridacna gigas Linné
    Steward (B)

Veneridae
  Gafrarium (Gafrarium) tumidum Röding (= gibbium Lamarck)
    Hirase and Taki (1951, pl. 33, fig. 3)
    Tulagi (E)
  Lioconcha castrensis Linné
    Guadalcanal (H)
  Lioconcha ornata Dillwyn (= picta Lamarck)
    Martini and Chemnitz, 11, (1), pl. 12, figs. 13–15
    Florida
  Pitar (Paradione) pellucidus Lamarck
    Kira (1955, pl. 57, fig. 9)
    Florida
  Sunetta (Sunetta) scripta Linné
    Reeve, Meroe, pl. 2, fig. 6a–c
    Bougainville
  *Tapes radiatus “Chemnitz” Dillwyn
    Martini and Chemnitz, 11, (1), pl. 15, fig. 1
    Bougainville
  *Venus (Chione) imbricata Sowerby
    Sowerby, Thes. Conch., 2, pl. 156, figs. 81–82
    Bougainville

Mesodesmatidae
  Mesodesma (Atactodea) striatum Lamarck
    Reeve, Mesodesma, pl. 2, fig. 10
    Santa Anna (E)

Donacidae
  Donax (Latona) cuneatus Linné
    Kira (1955, pl. 58, fig. 15)
    Bougainville
  *Donax aff. dysoni Deshayes
    Bougainville

Tellinidae
  *Strigilla (Strigilla) splendida Anton
    Martini and Chemnitz, 10, (4), pl. 37, figs. 13–16
    Bougainville
GASTROPODA OPISTHOBRANCHIATA

Actaeonidae

*Solidula solidula* Linné
  Man. Conch., (1), 15, pl. 20a, figs. 37–38
  Florida

Bullidae

*Bulla (Bulla) adamsi* Menke
  Man. Conch., (1), 15, pl. 35, figs. 15, 16, 19, 20
  Florida, Bougainville

*Bulla (Bulla) ampulla* Linné
  Man. Conch., (1), 15, pl. 34, figs. 1–3
  Florida

Atyidae

*Atys (Aliculastra) cylindrica* Helbing
  Man. Conch., (1), 15, pl. 33, figs. 60–62
  Florida

GASTROPODA PROSOBRANCHIATA

Fissurellidae

*Diadora lineata* Sowerby
  Man. Conch., (1), 12, pl. 63, figs. 29–30
  Bougainville

*Emarginula aff. clathrata* Pease
  Florida; too worn for positive identification, but nearest to the indicated species.

Patellidae

*Cellana sagittata* Gould
  Man. Conch., (1), 13, pl. 65, figs. 89–92
  Bougainville (juvenile)

*Patella (Scutellastra) stellaformis* Reeve
  Man. Conch., (1), 13, pl. 61, figs. 62–65
  Bougainville

Trochidae

*Chrysoستoma paradoxum* Born
  Hirase and Taki (1951, pl. 67, fig. 1)
  Florida, Stewart (B)

*Ethalia (Ethalia) guamense* Quoy and Gaimard
  Man. Conch., (1), 11, pl. 59, figs. 38–39
  Florida

*Euchelus (Euchelus) atratus* Gmelin
  Man. Conch., (1), 11, pl. 38, fig. 22
  Florida

*Euchelus (Euchelus) instrictus* Gould
  Hirase and Taki (1951, pl. 70, fig. 6)
  Bougainville

*Homalopoma (Homalopoma) suprageranosum* Smith
  Jour. Linn. Soc. London, Zool., 12, pl. 30, fig. 15
  Bougainville

*Tectus (Cardinalia) fenestratus* Gmelin
  Kiener, Trochus, pl. 38, fig. 3
  Florida
Tectus (Rochia) niloticus Linné
Hirase and Taki (1951, pl. 65, fig. 6)
Bougainville, Buka (B)

*Trochus (Trochus) incrassatus creniferus Kiener
Kiener, Trochus, pl. 34, fig. 3
Bougainville

Trochus (Trochus) maculatus maculatus Linné
Hanley, Ipsa Conch. Linn., pl. 3, fig. 7
Florida

*Trochus (Trochus) maculatus granosus Lamark
Kiener, Trochus, pl. 34, fig. 1
Bougainville (E)

*Trochus (Infundibulum) tubiferus Kiener
Kiener, Trochus, pl. 37, fig. 3
Florida

Angariidae

Angaria (Angaria) delphinus delphinus Linné
Hirase and Taki (1951, pl. 71, fig. 8)
Florida

Turbinidae

Liotia (Arene) crenata Kiener
Kiener, Delphinula, pl. 4, fig. 8
Bougainville

*Liotia (Liotia) peronii Kiener
Kiener, Delphinula, pl. 3, fig. 5
Bougainville

*Turbo (Marmarostoma) argyrostomus argyrostomus Linné
Hirase and Taki (1951, pl. 73, fig. 4)
Bougainville

Turbo (Marmarostoma) chrysostomus Linné
Man. Conch., (1), 10, pl. 40, fig. 19
Florida

*Turbo (Marmarostoma) crassus Wood
Gower (B)

Turbo (Olearia) marmoratus Linné
Buka (B)

Turbo (Turbo) petholatus Linné
Gower (B)

Turbo (Lunella) porphyrites Martyn
Buka (B)

Turbo (Marmarostoma) setosus Gmelin
Solomons (H)

Phasianellidae

*Phasianella (Orthomesium) variegata Lamarck
Man. Conch., (1), 10, pl. 39, figs. 97, 98
Bougainville

Neritidae

Nerita (Nerita) planospira Anton
Man. Conch., (1), 10, pl. 3, fig. 48
FLW 6, FLW 51
Nerita (Amphinerita) polita Linné
              Hirase and Taki (1951, pl. 75, fig. 13)
              Florida

Nerita (Ritena) undata Linné
              Man. Conch., (1), 10, pl. 5, fig. 87
              Florida

Littorinidae

*Littorina (Melaraphe) coccinea Gmelin (= obesa Sowerby)
              Eddystone Island (H)

Littorinopsis (Littorinopsis) scabra Linné
              Hirase and Taki (1951, pl. 79, fig. 13)
              SM 16, Florida, Malaita (E)

Littorinopsis (Littorinopsis) undulatus Gray
              Hirase and Taki (1951, pl. 79, fig. 11)
              Bougainville

Rissoidae

*Rissoina transenna Watson
              Challenger Exped., Gastropoda, pl. 46, fig. 10
              FLW 40

Planaxidae

Planaxis (Planaxis) lineatus Da Costa
              Hirase and Taki (1951, pl. 79, fig. 17)
              Bougainville

Modulidae

Modulus tectus Gmelin
              Hirase and Taki (1951, pl. 85, fig. 5)
              Florida

Potamiidae

Cerithidea cornea A. Adams
              Man. Conch., (1), 9, pl. 32, fig. 55
              FLW 5, FLW 12, FLW 34

Terebralia palustris Bruguière
              Kiener, Cerithium, pl. 1
              FLW 50, Florida; adult specimens were 44.9-88.1 mm. long.

Cerithiidae

*Cerithium balteatum Philippi
              Reeve, Cerithium, pl. 11, fig. 72
              Florida

Cerithium nodulosum Linné
              Buka (B)

Cerithium consisum Hombron and Jacquinot (= morus Lamarck)
              Man. Conch., (1), 19, pl. 24, figs. 29-33
              Florida

Scalidae

*Cirrotrema (Coronoscala) perplexum Pease
              Bougainville (juvenile)

Pyramidellidae

*Pyramidella (Longchaeus) acus Gmelin
              Man. Conch., (1), 8, pl. 72, figs. 76, 78
              Florida
Strombidae

*Canarium (Euprotomus) aurisdianae* Linné
Gower (B)

*Canarium (Labiostrombus) canarium* Linné
Man. Conch., (1), 7, pl. 2, figs. 18, 20
Florida

*Canarium (Canarium) terebellatum* Sowerby
Man. Conch., (1), 7, pl. 8, fig. 87
Florida

*Canarium (Canarium) labiatus* Röding (= *ustulatus plicatus* Lamarck)
Dodge (1946, figs. 3, 7)
Florida, Choiseul (E)

*Lambis chiragra* Linné
Buka (B)

*Lambis lambis* Linné
Hirase and Taki (1951, pl. 87, fig. 1)
Florida, Tulagi (Harry)

*Terebellum terebellum* Linné
Hirase and Taki (1951, pl. 89, fig. 1)
Florida

Naticidae

*Natica (Natica) alapapilionis* Gmelin
Hirase and Taki (1951, pl. 90, fig. 5)
Bougainville

*Natica (Natica) marochinensis* Gmelin
Man. Conch., (1), 8, pl. 5, fig. 75
FLW 47, Bougainville; specimens from FLW 47 are near the quoted figure, those from Bougainville nearest var. *tessellata* Philippi (Man. Conch., (1), 8, pl. 5, fig. 79).

*Natica (Natica) onca* Röding (= *chinensis* Lamarck)
Hirase and Taki (1951, pl. 90, fig. 8)
Florida

*Polinices mammilla* Linné
Man. Conch., (1), 8, pl. 16, fig. 46
Florida, Tulagi

*Polinices melanostoma* Gmelin
Man. Conch., (1), 8, pl. 21, fig. 14
Florida

Ovulidae (= Amphiperatidae)

*Ovula ovum* Linné
Gower (B)

Cypraeidae

*Callistocypraea (Callistocypraea) aurantium* Linné
Steward (B)

*Cypraea (Lyncina) carneola* Linné
Florida, Gower (B)

*Cypraea (Lyncina) lynx* Linné
Florida

*Erronea (Erronea) errones* Linné
Florida
SOLEM: MOLLUSKS FROM SOLOMON ISLANDS

Monetaria annulus Linné
Florida, Bougainville

Talparia (Talparia) talpa Linné
Gower (B)

Cassidae
Cypraecassis (Cypraecassis) rufa Linné
Gower (B)

*Semicassis (Casmaria) torquata Reeve
Gower (B)

Tonniidae
Tonna perdix Linné
Gower (B)

Cymatiidae
Colubraria distorta Schubert and Wagner
Man. Conch., (1), 3, pl. 14, fig. 125
Florida

Gyrineum (Gyrineum) gyrinum Linné
Man. Conch., (1), 3, pl. 23, fig. 48
Florida

Lampusia chlorostoma Lamarck
Man. Conch., (1), 3, pl. 7, fig. 47
Florida

Lampusia rubecula Linné
Hirase and Taki (1951, pl. 95, fig. 7, right)
Florida

Muricidae
Chicoreus (Chicoreus) brunneus Link (= adustus Lamarck)
Hirase and Taki (1951, pl. 109, fig. 4)
Tulagi

*Cronia (Usilla) margariticola Broderip (= undata Chemnitz)
Man. Conch., (1), 2, pl. 59, fig. 260
Florida, Bougainville

Cronia (Cronia) buccinea Deshayes
Man. Conch., (1), 2, pl. 55, fig. 176
Bougainville

Drupa (Morula) granulata Duclos (= tuberculata Blainville)
Hirase and Taki (1951, pl. 110, fig. 15)
Bougainville

Drupa (Drupa) ricinus Linné
Hirase and Taki (1951, pl. 110, fig. 11)
Bougainville

*Maculotriton digitale Reeve
San Christoval (H)

Maculotriton serriale Lebord and Deshayes (= bracteatus Hinds)
Man. Conch., (1), 3, pl. 15, fig. 141
Bougainville

*Purpura (Purpura) rudolphii Lamarck
Hirase and Taki (1951, pl. 110, fig. 6)
Bougainville
Magilidae
  *Coralliophila violacea Kiener (= neritoides of authors)
      Hirase and Taki (1951, pl. 111, fig. 8)
      Florida
  *Magilus antiquus Lamarck
      Solomon Islands (H)

Columbellidae
  *Columbella (Columbella) fulgurans Lamarck
      Martini and Chemnitz, 3, (1d), pl. 3, figs. 6–8
      Choiseul (E); var. punctata also represented
  *Columbella (Columbella) obtusa Sowerby
      Solomon Islands (H)
  Columbella (Nitidella) pardalina Lamarck
      Martini and Chemnitz, 3, (1d), pl. 6, figs. 8–9
      Bougainville
  *Columbella (Euplica) turturina Lamarck
      Demon (1957, p. 318, fig. 26)
      Florida
  Columbella (Columbella) varians Sowerby
      Man. Conch., (1), 5, pl. 46, fig. 3
      Bougainville
  Columbella (Columbella) versicolor Sowerby
      Hirase and Taki (1951, pl. 107, fig. 1)
      Florida, Bougainville
  Mitrella (Mitrella) ligula Duclos
      Man. Conch., (1), 5, pl. 47, fig. 55e
      Florida; 10 per cent of the specimens are like fig. 55d

Buccinidae
  Cantharus fumosus Dillwyn
      Demon (1957, p. 318, fig. 27)
      Florida, Malaita (E)
  *Engina lauta Reeve
      Reeve, Ricinula, pl. 4, fig. 24
      Florida
  Engina melanozona Tomlin (= zonata Reeve)
      Hirase and Taki (1951, pl. 105, fig. 9)
      Bougainville
  Engina mendicaria Linné
      Hirase and Taki (1951, pl. 105, fig. 8)
      Tulagi (E), Steward (B)

Nassariidae
  *Alectrion (Zeuxis) lentiginosus Adams
      Reeve, Nassa, pl. 3, fig. 15
      Bougainville
  Alectrion (Zeuxis) lurida Gould
      U. S. Explor. Exped. Wilkes, Atlas, fig. 325
      FLW 47, Florida (listed in Solem, 1953, as canaliculatus Lamarck)
  Alectrion (Alectrion) monile Kiener
      Kiener, Buccinum, pl. 11, fig. 40
      Florida
Arcularia callosa Adams
Reeve, Nassa, pl. 10, fig. 66
Florida

Arcularia globosa Quoy and Gaimard
Reeve, Nassa, pl. 10, fig. 62
FLW 47, FLW 48, Florida

*Hebra muricata Quoy and Gaimard
Reeve, Nassa, pl. 11, fig. 73
San Christoval (E)

Hebra subspinosa Lamarck
Kiener, Buccinum, pl. 26, fig. 103
Florida

*Hima (Caesia) concinna Powis
Reeve, Nassa, pl. 14, fig. 91
Florida

Nassaria (Nassaria) coronata Bruguière
Buka (B)

*Niothia albescens Dunker
Reeve, Nassa, pl. 15, fig. 100
Florida

Olividae

Oliva (Oliva) caerulea Röding (= episcopalis Lamarck)
Gower (B)

Oliva (Oliva) miniacea Röding (= erythrostoma Meuschen)
Hirase and Taki (1951, pl. 113, fig. 3)
Florida

Oliva (Oliva) reticulata Röding (= sanguinolenta Lamarck)
Reeve, Oliva, pl. 13, fig. 25
Florida

Oliva (Galeola) tessellata Lamarck
Reeve, Oliva, pl. 20, fig. 53
Florida

Mitridae

Imbricaria conica Schumacher
Reeve, Mitra, pl. 27, fig. 26
Florida

Mitra (Mitra) stictica Link (= pontificalis Lamarck)
San Christoval (H)

Pusia aureolata Swainson
Man. Conch., (1), 4, pl. 55, fig. 602
Florida

*Pusia pardalis Kuster
Reeve, Mitra, pl. 30, fig. 242 (poor)
Florida

Scabricula (Chrysame) adusta Lamarck
Hirase and Taki (1951, pl. 101, fig. 3)
Florida

Scabricula (Scabricula) ferruginea Lamarck
Reeve, Mitra, pl. 4, fig. 28
Bougainville
Scabricula (Cancilla) filaris Linné  
Hirase and Taki (1951, pl. 101, fig. 1)  
Florida

*Scabricula (Chrysame) peregra Reeve  
Reeve, Mitra, pl. 24, fig. 186  
Florida

Scabricula (Chrysame) vexillum Reeve  
Man. Conch., (1), 4, pl. 43, fig. 253  
Florida

*Vexillum (Vexillum) corrugatum Lamarck  
Reeve, Mitra, pl. 9, fig. 57b  
Florida

Vexillum (Costellaria) cruentatum Lamarck  
Reeve, Mitra, pl. 17, fig. 126  
Florida

*Vexillum (Costellaria) exasperatum Gmelin  
Hirase and Taki (1951, pl. 101, fig. 14)  
Florida

*Vexillum (Vexillum) gruneri Reeve  
Reeve, Mitra, pl. 16, fig. 119  
Florida

Vexillum (Costellaria) obeliscum Reeve  
Reeve, Mitra, pl. 15, fig. 107  
Florida

Vexillum (Vexillum) plicarium Linné  
Reeve, Mitra, pl. 8, fig. 56  
Florida

*Vexillum (Costellaria) sanguisugum Lamarck  
Reeve, Mitra, pl. 14, fig. 99  
Florida

*Vexillum (Costellaria) stigmatarium Lamarck  
Reeve, Mitra, pl. 3, fig. 15  
Florida

Volutidae

Aulica (Aulicina) vespertilio Linné  
Gower (B)

Conidae

Conus arenatus Bruguière  
Kiener, Conus, pl. 10, fig. 1  
Florida

Conus capitanus mustelinus Bruguière  
Kiener, Conus, pl. 20, fig. 2  
Florida

Conus eburneus Bruguière  
Hirase and Taki (1951, pl. 113, fig. 15)  
Florida

Conus magus magus Linné  
Kiener, Conus, pl. 67, fig. 1, right  
Florida

*Conus muriculatus Sowerby  
Kiener, Conus, pl. 72, fig. 2  
Florida
SOLEM: MOLLUSKS FROM SOLOMON ISLANDS 225

*Conus radiatus* Gmelin
  Sowerby, Thes. Conch., 3, pl. 206, fig. 490
  Florida

*Conus textile* Linné
  Steward (B)

*Conus vitulinus* Bruguière
  Hirase and Taki (1951, pl. 114, fig. 7)
  Florida

Terebridae

*Terebra areolata* Link (= *muscari* Lamarck)
  Hirase and Taki (1951, pl. 116, fig. 4)
  Florida

*Terebra cingulifera* Lamarck
  Hirase and Taki (1951, pl. 116, fig. 11)
  Florida

**DISCUSSION**

Of the 164 species listed above, 60 were not included in my previous report (Solem, 1953). With these additions, 543 species and varieties of marine mollusks have now been reported from the Solomons. Undoubtedly this represents only a small portion of the actual fauna. Available collections represent only beach material and have been made in a short time.

The tropical Indo-Pacific marine fauna is at its richest in the Indonesian-Philippine area and rapidly attenuates as the coral islands in the Pacific Ocean are reached. The Solomons probably have a more extensive marine fauna than the New Caledonian area, yet there are 151 species of Mitridae known from New Caledonia compared with 40 from the Solomons; 196 New Caledonian “Turrids” compared with 14 Solomon Island ones; and so on, group by group. Probably at least 2,500 species of marine mollusks will be discovered in the Solomons and of these as many as 1,300 may be found in very shallow water.

The distributional pattern of the Indo-Pacific marine mollusks is very poorly known. The raw data of faunal lists are useful for distribution of species groups, but because of the chaotic taxonomy they are usually unreliable for specific identifications. The citation of a reference figure partially eliminates this objection to faunal studies, and it is hoped that this contribution may prove of value to students trying to interpret molluscan distribution in the Indo-Pacific.
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SOLEM, ALAN