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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),

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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),

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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 Linné
Hirase 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)
Hirase and Taki (1951, pl. 15, fig. 2)
Bougainville

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

Ostreidae

**Ostrea cristagalli* Linné
Reeve, *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 hippopus* 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

Athyidae

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) stellaeformis Reeve

Man. Conch., (1), 13, pl. 61, figs. 62-65
Bougainville

Trochidae

Chrysostoma 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) supragranosum 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* Lamarck

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

**Cirsotrema (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) erronea Linné
Florida

- Monetaria annulus* Linné
Florida, Bougainville
Talparia (Talparia) talpa Linné
Gower (B)

Cassidae

- Cypraecassis (Cypraecassis) rufa* Linné
Gower (B)
**Semicassis (Casmaria) torquata* Reeve
Gower (B)

Tonnidae

- 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
Demond (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
Demond (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 subspinoso 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 capitaneus 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

- **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 (= *muscaria* 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.

REFERENCES

BOETTGER, CAESAR R.

1916. Die Molluskenausbeute der Hanseatischen Sudsee-Expedition 1909. Abhandl. Senckenberg. Naturf. Gesell., **36**, (3), pp. 287-308, pls. 21-23.

DEMOND, JOAN

1957. Micronesian reef-associated gastropods. Pacific Science, **11**, (3), pp. 275-341, 42 figs., 4 pls., 1 table.

DODGE, HENRY

1946. Notes on the *Strombus dentatus* Linné and *Strombus urceus* complex. Amer. Mus. Nov., no. 1314, 8 pp., 8 figs.

HEDLEY, CHARLES

1899. The Mollusca of Funafuti. Mem. Australian Mus., **3**, (7-9), pp. 397-565, 80 figs.

HIRASE, SHINTARO, and TAKI, ISAO

1951. A handbook of illustrated shells. 134 pls. Tokyo; Bunkyoakaku.

KIRA, TETSUAKI

1955. Coloured illustrations of the shells of Japan. 204 pp., 67 pls. Osaka; Huikusha.

KURODA, TOKUBAI, and HABE, TADASHIGE

1952. Check list and bibliography of the recent marine Mollusca of Japan. 210 pp. Tokyo; Stach.

SOLEM, ALAN

1953. Marine and fresh-water mollusks of the Solomon Islands. Fieldiana, Zool., **34**: 213-227.

In press. Marine Mollusca of the New Hebrides. Pacific Science.



Solem, Alan. 1958. "Marine mollusks from Bougainville and Florida, Solomon Islands." *Feldiana* 39, 213–226.

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