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Mollusca Gastropoda : On a collection of Nassariidae from New Caledonian waters

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ABSTRACT

The present report deals with a collection of 33 species of Nassariidae from New Caledonian waters. Approximately 30 % of the species recorded are new geographical range extensions. *Nassarius bifarius* (Baird *in* Brenchley, 1873), previously considered a synonym of *N. novaezelandiae* (Reeve, 1854), and *N. stigmarius* (A. Adams, 1852), previously considered a synonym of *N. splendidulus* (Dunker, 1846), are now acknowledged to be valid, separate species. *Nassarius olomea* Kay, 1979 is synonymized with *N. crebricostatus* (Schepman, 1911). *Nassarius (Zeuxis) arcus* sp. nov. is described and recorded from depths of 95-200 m.

RÉSUMÉ

Mollusca Gastropoda : Sur une collection de Nassariidae des eaux néo-calédoniennes.

Trente-trois espèces de Nassariidae sont signalées de la région néo-calédonienne, dont un tiers pour la première fois. Ce matériel permet de reconnaître la validité de *Nassarius bifarius* (Baird *in* Brenchley, 1873), jusqu'ici traité comme synonyme de *N. novaezelandiae* (Reeve, 1854), et *N. stigmarius* (A. Adams, 1852), jusqu'ici traité comme synonyme de *N. splendidulus* (Dunker, 1846). *Nassarius olomea* Kay, 1979 est placé en synonymie de *N. crebricostatus* (Schepman, 1911). *Nassarius (Zeuxis) arcus* sp. nov. est décrit d'après des spécimens pêchés entre 95 et 200 m de profondeur.

CERNOHORSKY, W. O., 1991. — Mollusca Gastropoda : On a collection of Nassariidae from New Caledonian waters. *In* : A. CROSNIER & P. BOUCHET (eds), Résultats des Campagnes MUSORSTOM, Volume 7. *Mém. Mus. natn. Hist. nat.*, (A), **150** : 187-204. Paris ISBN : 2-85653-180-6.

Publié le 20 mars 1991.

INTRODUCTION

Through the courtesy of Dr P. BOUCHET, Department of Malacology, Muséum national d'Histoire naturelle, Paris, I have received for determination material of Nassariidae brought together by various expeditions and dredging programs in New Caledonian and adjacent waters. There are two main sources of material. One is a series of deep-sea expeditions in the Chesterfield islands and New Caledonia. For a narrative of these cruises, including complete station lists, see RICHER DE FORGES (1990). The other is the "programme LAGON" conducted for ORSTOM since 1984 by Dr B. RICHER DE FORGES aboard R. V. "*Vauban*" and R. V. "*Alis*" in the New Caledonian coral reef lagoon. This program comprises over 1000 dredging and trawling stations operated on a 2 nautical miles grid, mostly in depths between 10 and 60 m, with a few hauls in deeper water. In the present report, stations have been grouped according to the major geographical divisions of the New Caledonian lagoon. Full station data are to be found in RICHER DE FORGES & BARGIBANT (1985) and RICHER DE FORGES *et al.* (1987).

Species are arranged alphabetically within genera and subgenera, and the more significant species illustrated. The abbreviation spm refers to live-taken specimens as well as empty shells.

SYSTEMATIC ACCOUNT

Family NASSARIIDAE

Genus *NASSARIUS* Duméril, 1806

Nassarius (Alectrion) glans glans (Linnaeus, 1758)

Buccinum glans Linnaeus, 1758 : 737.
Nassarius (Alectrion) glans glans - CERNOHORSKY, 1984 : 61, pl. 2, figs 5-7 (synonymy).

MATERIAL EXAMINED. — **New Caledonia**. LAGON : *Surprise Atoll* : stn 465, 45 m : 1 spm. *Southwestern Lagoon* : stn 3, 15 m : 3 spm. — Stn 4, 9 m : 8 spm. — Stn 5, 10 m : 2 spm. — Stn 7, 14 m : 2 spm. — Stn 9, 10 m : 1 spm. — Stn 21, 10 m : 2 spm. — Stn 22, 11 m : 1 spm. — Stn 23, 10-18 m : 1 spm. — Stn 25, 28 m : 1 spm. — Stn 34, 10 m : 1 spm. — Stn 38, 20 m : 1 spm. — Stn 41, 28-46 m : 1 spm. — Stn 49, 10 m : 1 spm. — Stn 50, 12 m : 2 spm. — Stn 57, 10 m : 1 spm. — Stn 60, 11 m : 2 spm. — Stn 66, 15 m : 3 spm. — Stn 67, 21 m : 2 spm. — Stn 79, 16 m : 1 spm. — Stn 80, 33 m : 10 spm. — Stn 83, 22 m : 7 spm. — Stn 84, 17 m : 8 spm. — Stn 99, 17 m : 4 spm. — Stn 100, 15 m : 4 spm. — Stn 121, 12 m : 1 spm. — Stn 129, 44-55m : 1 spm. — Stn 156, 21 m : 1 spm. — Stn 161, 20 m : 3 spm. — Stn 166, 10 m : 1 spm. — Stn 169, 22 m : 1 spm. — Stn 170, 22 m : 1 spm. — Stn 185, 15 m : 5 spm. — Stn 192, 18 m : 2 spm. — Stn 201, 17 m : 4 spm. — Stn 206, 8 m : 2 spm. — Stn 210, 14 m : 1 spm. — Stn 212, 10 m : 1 spm. — Stn 229, 41 m : 1 spm. — Stn 233, 30 m : 1 spm. — Stn 247, 43 m : 1 spm. — Stn 249, 11 m : 2 spm. — Stn 250, 10 m : 1 spm. — Stn 252, 22 m : 2 spm. — Stn 253, 16 m : 2 spm. — Stn 259, 18 m : 3 spm. — Stn 269, 20 m : 1 spm. — Stn 272, 12 m : 1 spm. — Stn 275, 19 m : 1 spm. — Stn 282, 12 m : 1 spm. — Stn 284, 6 m : 2 spm. — Stn 293, 20 m : 2 spm. — Stn 295, 41 m : 1 spm. — Stn 298, 37 m : 1 spm. — Stn 305, 26 m : 1 spm. — Stn 306, 38 m : 1 spm. — Stn 312, 26 m : 1 spm. — Stn 339, 26 m : 1 spm. — Stn 340, 27 m : 1 spm. — Stn 349, 55 m : 1 spm. — Stn 547, 29 m : 1 spm. — Stn 548, 32 m : 1 spm. — Stn 550, 24 m : 3 spm. — Stn 555, 32 m : 2 spm. — Stn 591, 14 m : 5 spm. — *Eastern Lagoon* : stn 623, 32-40 m : 1 spm. — Stn 627, 45-47 m : 1 spm. — Stn 635, 51 m : 1 spm. — Stn 671, 36-39 m : 1 spm. — Stn 698, 40-43 m : 1 spm. — Stn 712, 47-49 m : 1 spm. — Stn 716, 30 m : 1 spm. — Stn 731, 37-42 m : 1 spm.

DISTRIBUTION. — From the Persian Gulf to Japan and the Marquesas Islands.

Nassarius (Plicarcularia) fraudulentus (Marrat, 1877)

Nassa fraudulenta Marrat, 1877 : 8, pl. 1, fig. 24.
Nassarius (Plicarcularia) fraudulentus - CERNOHORSKY, 1984 : 72, pl. 5, figs 11, 12 ; pl. 6, fig. 1 (synonymy).

MATERIAL EXAMINED. — **Chesterfield Islands**. CHALCAL 1 : stn DC 21, 19°18' S, 158°43' E, 73 m, 17 July 1984 : 2 spm.
New Caledonia. LAGON :
Southwestern Lagoon : Stn 14, 22 m : 1 spm. — Stn 19, 29 m : 1 spm. — Stn 31, 29 m : 1 spm. — Stn 69, 13 m : 1 spm. — Stn 78, 35 m : 11 spm. — Stn 86, 29 m : 3 spm. — Stn 122, 28 m : 1 spm. — Stn 167, 11 m : 2 spm. — Stn 174, 45 m : 1 spm. — Stn 178, 20 m : 6 spm. — Stn 188, 8 m : 1 spm. — Stn 192, 18 m : 1 spm. — Stn 193, 20 m : 2 spm. — Stn 195, 12 m : 1 spm. — Stn 199, 50 m : 1 spm. — Stn 203, 13 m : 8 spm. — Stn 205, 13 m : 1 spm. — Stn 206, 8 m : 1 spm. — Stn 208, 9 m : 1 spm. — Stn 209, 14 m : 5 spm. — Stn 210, 14 m : 2 spm. — Stn 211, 12 m : 8 spm. — Stn 215, 14 m : 24 spm. — Stn 216, 14 m : 17 spm. — Stn 219, 32 m : 6 spm. — Stn 220, 12 m : 11 spm. — Stn 222, 24 m : 2 spm. — Stn 261, 19 m : 3 spm. — Stn 274, 12 m : 3 spm. — Stn 277, 12 m : 3 spm. — Stn 278, 17 m : 2 spm. — Stn 287, 29 m : 1 spm.
Eastern Lagoon : stn 691, 33-34 m : 1 spm.

DISTRIBUTION. — From Mauritius to India and the Society Islands.

Nassarius (Plicarcularia) globosus (Quoy & Gaimard, 1833)

Buccinum globosum Quoy & Gaimard, 1833 : 448, pl. 32, figs 25-27.
Nassarius (Plicarcularia) globosus - CERNOHORSKY, 1984 : 74, pl. 6, figs 7-10 (synonymy).

MATERIAL EXAMINED. — **New Caledonia**. LAGON :
Southwestern Lagoon : stn 221, 55-65 m : 5 spm.

DISTRIBUTION. — From the Red Sea to Japan and the Samoa Islands.

Nassarius (Plicarcularia) granifer (Kiener, 1834)

Buccinum graniferum Kiener, 1834 : 100, pl. 27, fig. 111.
Nassarius (Plicarcularia) granifer - CERNOHORSKY : 76, pl. 7, figs 1-2 (synonymy).

MATERIAL EXAMINED. — **New Caledonia**. LAGON :
Huon Atoll : stn 443, 40 m : 1 spm.
Surprise Atoll : stn 449, 21 m : 3 spm.
Northern Lagoon : stn 481, 33 m : 2 spm.
Southwestern Lagoon : stn 8, 15 m : 1 spm. — Stn 49, 10 m : 2 spm. — Stn 79, 16 m : 1 spm. — Stn 98, 15 m : 2 spm. — Stn 159, 17 m : 4 spm. — Stn 162, 10 m : 2 spm. — Stn 214, 12 m : 1 spm. — Stn 218, 15 m : 1 spm. — Stn 283, 13 m : 3 spm. — Stn 308, 18 m : 4 spm. — Stn 549, 26 m : 1 spm. — Stn 551, 9 m : 2 spm.

DISTRIBUTION. — From East Africa throughout the tropical Indo-Pacific to the Tuamotu Archipelago.

Nassarius (Plicarcularia) troendleorum Cernohorsky, 1980

Figs 1-2

Nassarius troendleorum Cernohorsky, 1980 : 118, figs 15-17 (shell), fig. 25 (protoconch).
Nassarius (Plicarcularia) troendleorum - CERNOHORSKY, 1984 : 77, figs 107, 108.

MATERIAL EXAMINED. — **New Caledonia**. LAGON :
Northern Lagoon : stn 489, 43 m : 1 spm.

DISTRIBUTION. — From New Caledonia to the Kingsmill Group, Gilbert Islands and the Tuamotu Archipelago.

Nassarius (Niotha) albescens albescens (Dunker, 1846)

Buccinum albescens Dunker, 1846 : 170.
Nassarius (Niotha) albescens albescens - CERNOHORSKY, 1984 : 81, pl. 7, figs 11, 12 ; pl. 8, fig. 1 (synonymy).

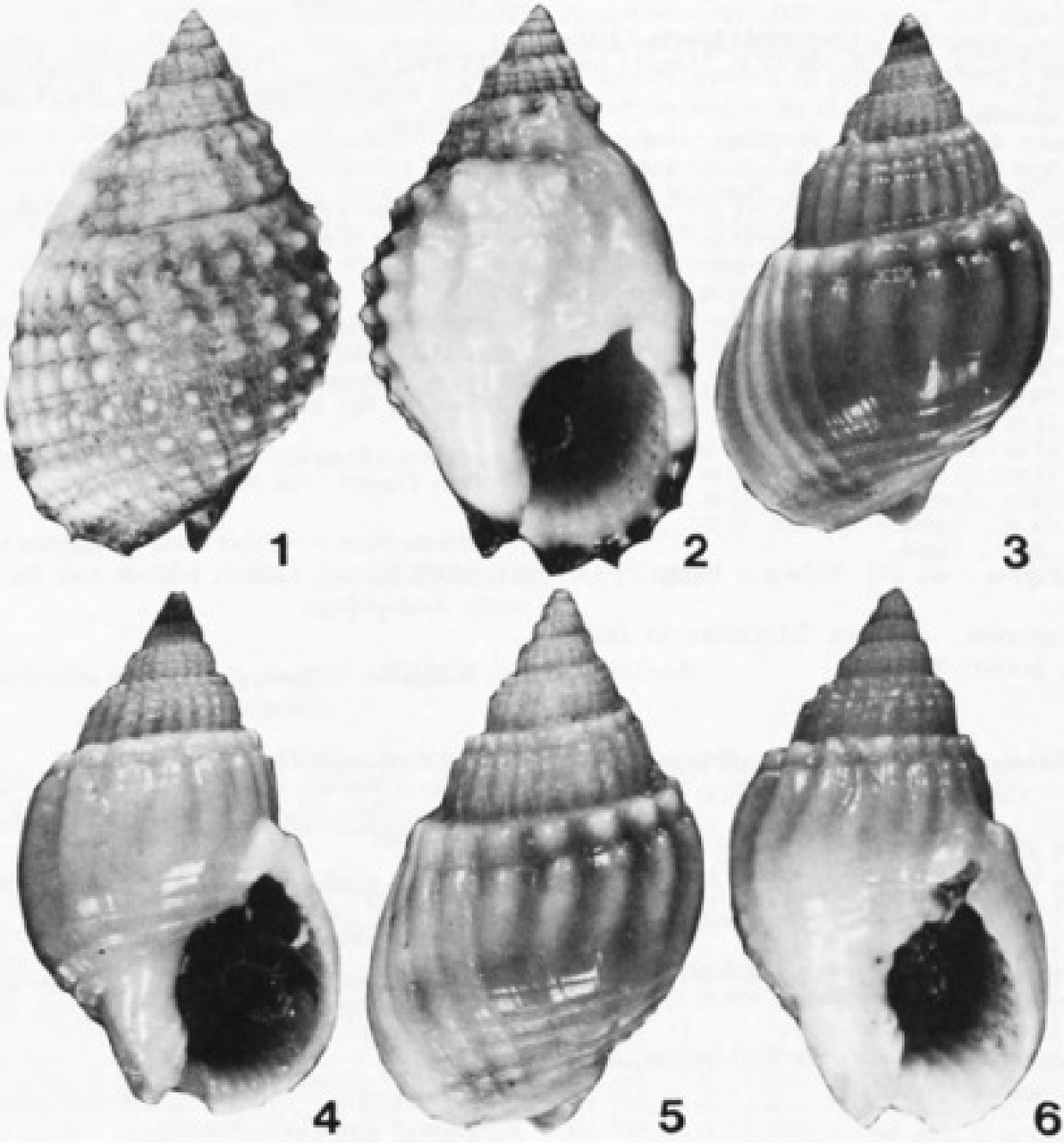
MATERIAL EXAMINED. — **New Caledonia.** LAGON :
Surprise Atoll : stn 449, 21 m : 3 spm.
Southwestern Lagoon : stn 21, 10 m : 2 spm. — Stn 49, 10 m : 2 spm. — Stn 98, 15 m : 2 spm. — Stn 162, 10 m : 2 spm. — Stn 214, 12 m : 1 spm. — Stn 296, 26 m : 1 spm. — Stn 341, 19 m : 2 spm. — Stn 554, 27 m : 4 spm.

DISTRIBUTION. — From the Nicobar Islands to Japan and the Cook Islands.

Nassarius (Niotha) bifarius (Baird *in* Brenchley, 1873)

Figs 3-6

Nassa bifaria Baird *in* Brenchley, 1873 : 436, pl. 38, figs 1, 2 (Type locality : New Caledonia).
Nassarius (Niotha) bifarius - CERNOHORSKY, 1972 : 143, fig. 40 (shell), fig. 58 (radula).



FIGS 1-6. — **1-2**. — *Nassarius troendleorum* Cernohorsky, 1980. LAGON, stn 489, 43 m ; 27.0 mm. **3-4**. — *Nassarius bifarius* (Baird *in* Brenchley, 1873). LAGON, stn 471, 42 m ; 17.0 mm. **5-6**. — *Nassarius bifarius* (Baird *in* Brenchley, 1873). LAGON, stn 63, 20 m ; 20.0 mm.

Nassarius (Niotha) novaezelandiae (Reeve) - CERNOHORSKY, 1978 : 81, pl. 25, fig. 1a only ; 1984 : 86, pl. 9, fig. 4 (lectotype of *N. bifarius*) and fig. 6 only [non *Nassa novaezelandiae* Reeve, 1854].

MATERIAL EXAMINED. — **Chesterfield Islands.** CHALCAL 1 : stn DC 54, 21°26' S, 159°00' E, 36-42 m, 25 July 1984 : 1 spm. — Stn DC 55, 21°24' S, 159°00' E, 55 m, 25 July 1984 : 2 spm.

New Caledonia. LAGON :
Huon Atoll : stn 438, 37 m : 3 spm. — Stn 439, 39 m : 13 spm. — Stn 441, 37 m : 1 spm. — Stn 442 + bis, 39 m : 15 spm.
Surprise Atoll : stn 446, 36 m : 3 spm. — Stn 447, 36 m : 4 spm. — Stn 448, 30 m : 1 spm. — Stn 450, 29 m : 5 spm. — Stn 451, 30 m : 1 spm. — Stn 456, 37 m : 1 spm. — Stn 465, 45 m : 1 spm. — Stn 466, 42 m : 1 spm. — Stn 467, 41 m : 2 spm. — Stn 468, 40 m : 4 spm. — Stn 469, 39 m : 6 spm. — Stn 470, 41 m : 5 spm. — Stn 471, 42 m : 5 spm.
Northern Lagoon : stn 515, 54 m : 1 spm. — Stn 517, 42 m : 3 spm. — Stn 522, 42 m : 1 spm. — Stn 528, 47 m : 2 spm. — Stn 529, 50 m : 13 spm. — Stn 530, 48 m : 1 spm. — Stn 531, 56 m : 5 spm. — Stn 532, 56 m : 9 spm. — Stn 535, 46 m : 5 spm. — Stn 536, 61 m : 1 spm. — Stn 541, 45 m : 1 spm.
Southwestern Lagoon : stn 7, 14 m : 1 spm. — Stn 10, 15 m : 2 spm. — Stn 36, 20 m : 1 spm. — Stn 38, 20 m : 1 spm. — Stn 40, 21 m : 1 spm. — Stn 55, 23 m : 1 spm. — Stn 63, 20 m : 1 spm. — Stn 202, 13 m : 2 spm. — Stn 219, 32 m : 2 spm. — Stn 268, 24 m : 1 spm. — Stn 291, 31 m : 1 spm. — Stn 295, 41 m : 1 spm. — Stn 302, 17 m : 2 spm. — Stn 348, 45 m : 2 spm. — Stn 559, 52 m : 3 spm.

DISTRIBUTION. — From India to the Fiji Islands.

REMARKS. — CERNOHORSKY (1984) treated *Nassarius bifarius* as a smooth form of *N. novaezelandiae* (Reeve). Prolific material of *N. bifarius* from New Caledonia clearly shows that *N. bifarius* is a valid species, separate from *N. novaezelandiae*. *N. bifarius* lacks granules on the body whorl which is smooth and distinctly or obsoletely axially ribbed and the anterior half has a few spiral cords ; the sutural nodules are stronger and more distinct on the last 2 whorls, the aperture is wider and the colour is fawn to orange-brown with a whitish columellar callus, in contrast to the blackish-brown and white colour pattern of *N. novaezelandiae*.

Nassarius (Niotha) conoidalis
(Deshayes *in* Bélanger, 1832)

Buccinum conoidale Deshayes *in* Bélanger, 1832 : 433, pl. 3, figs 6, 7.

Nassarius (Niotha) conoidalis - CERNOHORSKY, 1984 : 78, pl. 7, figs 3-10 (synonymy).

MATERIAL EXAMINED. — **New Caledonia.** MUSORSTOM 4 : stn DW 203, 22°36' S, 167°05' E, 105-110 m, 27 September 1985 : 1 spm. — Stn DW 204, 22°37' S, 167°06' E, 120 m, 27 September 1985 : 6 spm.
LAGON :
Huon Atoll : stn 439, 39 m : 1 spm. — Stn 440bis, 39 m : 1 spm. — Stn 442 + bis, 39 m : 2 spm.
Surprise Atoll : stn 447, 36 m : 4 spm. — Stn 469, 39 m : 6 spm.
Northern Lagoon : stn 478, 35 m : 1 spm. — Stn 485, 32 m : 1 spm. — Stn 503, 64 m : 8 spm. — Stn 503bis, 66 m : 8 spm. — Stn 504, 45 m : 3 spm. — Stn 516, 48 m : 1 spm. — Stn 517, 42 m : 14 spm. — Stn 522, 42 m : 6 spm. — Stn 529, 50 m : 1 spm. — Stn 534, 48 m : 2 spm. — Stn 535, 46 m : 45 spm. — Stn 536, 61 m : 87 spm. — Stn 537, 200 m : 8 spm. — Stn 538, 195 m : 1 spm. — Stn 541, 45 m : 6 spm.
Southwestern Lagoon : stn 69, 13 m : 3 spm. — Stn 80, 33 m : 1 spm. — Stn 120, 46 m : 1 spm. — Stn 149, 48 m : 10 spm. — Stn 152, 23 m : 1 spm. — Stn 187, 13 m : 2 spm. — Stn 192, 18 m : 1 spm. — Stn 202, 13 m : 1 spm. — Stn 219, 32 m : 1 spm. — Stn 221, 55-65 m : 7 spm. — Stn 230, 35 m : 3 spm. — Stn 234, 56 m : 31 spm. — Stn 234bis, 60 m : 12 spm. — Stn 235, 70 m : 3 spm. — Stn 236, 67 m : 1 spm. — Stn 240, 42 m : 8 spm. — Stn 244, 37 m : 5 spm. — Stn 245, 62 m : 2 spm. — Stn 268, 24 m : 1 spm. — Stn 281, 10 m : 1 spm. — Stn 297, 30 m : 1 spm. — Stn 301, 46 m : 2 spm. — Stn 305, 26 m : 1 spm. — Stn 306, 38 m : 1 spm. — Stn 308, 18 m : 1 spm. — Stn 315, 50 m : 5 spm. — Stn 316, 68 m : 11 spm. — Stn 317, 66 m : 5 spm. — Stn 318, 71 m : 3 spm. — Stn 319, 75 m : 10 spm. — Stn 326, 67 m : 2 spm. — Stn 329, 80 m : 2 spm. — Stn 332, 80 m : 15 spm. — Stn 333, 71 m : 26 spm. — Stn 334, 47 m : 2 spm. — Stn 336, 26 m : 1 spm. — Stn 346, 40 m : 2 spm. — Stn 347, 46 m : 6 spm. — Stn 348, 45 m : 13 spm. — Stn 350, 67 m : 19 spm. — Stn 352, 82 m : 26 spm. — Stn 354, 78 m : 7 spm. — Stn 356, 78 m : 1 spm. — Stn 357, 77 m : 6 spm. — Stn 359, 74 m : 1 spm. — Stn 368, 70 m : 1 spm. — Stn 370, 127 m : 1 spm. — Stn 376, 75-76 m : 32 spm. — Stn 384, 70 m : 1 spm. — Stn 397, 125 m : 1 spm. — Stn 400, 64 m : 4 spm. — Stn 401, 49 m : 2 spm. — Stn 403, 45 m : 4 spm. — Stn 405, 27 m : 9 spm. — Stn 406, 24 m : 2 spm. — Stn 407, 24 m : 3 spm. — Stn 408, 18 m : 1 spm. — Stn 410, 35 m : 18 spm. — Stn 411, 40 m : 1 spm. — Stn 414, 60 m : 18 spm. — Stn 559, 52 m : 6 spm. — Stn 560, 48 m : 4 spm. — Stn 562, 48 m : 1 spm. — Stn 564, 35 m : 3 spm. — Stn 569, 62 m : 1 spm. — Stn 571, 40 m : 2 spm. — Stn 574, 54 m : 1 spm. — Stn 575, 62 m : 1 spm. — Stn 577, 60 m : 1 spm. — Stn 580, 95-100 m : 1 spm. — Stn 581, 23 m : 5 spm. — Stn 582, 67 m : 1 spm. — Stn 591, 14 m : 4 spm. — Stn 596, 35 m : 6 spm.
Eastern Lagoon : stn 601, 47-48 m : 5 spm. — Stn 603, 78-80 m : 6 spm. — Stn 604, 80 m : 11 spm. — Stn 605, 65-70 m : 1 spm. — Stn 606, 46-48 m : 3 spm. — Stn 608, 50-56 m : 10 spm. — Stn 614, 48-50 m : 3 spm. — Stn 615, 56-60 m : 6 spm. — Stn 618,

53-58 m : 1 spm. — Stn 621, 55-56 m : 5 spm. — Stn 623, 32-40 m : 1 spm. — Stn 626, 47-48 m : 3 spm. — Stn 629, 47-48 m : 1 spm. — Stn 632, 44-45 m : 5 spm. — Stn 633, 50 m : 10 spm. — Stn 641, 50-52 m : 4 spm. — Stn 654, 32 m : 2 spm. — Stn 658, 49-51 m : 5 spm. — Stn 660, 48-52 m : 5 spm. — Stn 662, 50 m : 3 spm. — Stn 667, 33-37 m : 29 spm. — Stn 668, 40 m : 2 spm. — Stn 669, 30-40 m : 1 spm. — Stn 687, 37-40 m : 4 spm. — Stn 688, 36-40 m : 11 spm. — Stn 692, 44-48 m : 1 spm. — Stn 698, 40-43 m : 4 spm. — Stn 701, 36-39 m : 3 spm. — Stn 702, 37 m : 4 spm. — Stn 703, 38-40 m : 1 spm. — Stn 707, 34-38 m : 7 spm. — Stn 714, 37-38 m : 1 spm. — Stn 716, 30 m : 3 spm. — Stn 723, 45 m : 11 spm. — Stn 724, 36-38 m : 2 spm. — Stn 729, 42-45 m : 23 spm. — Stn 730, 40-43 m : 2 spm. — Stn 731, 37-42 m : 4 spm. — Stn 736, 44-45 m : 2 spm. — Stn 737, 49-50 m : 3 spm. — Stn 738, 59-61 m : 2 spm. — Stn 741, 77-80 m : 1 spm.

DISTRIBUTION. — From the Red Sea and the Persian Gulf to Fiji and the Line Islands.

REMARKS. — The species was previously known to occur subtidally to a depth of 120 m. This range is now extended to 200 m.

Nassarius (Niotha) delicatus (A. Adams, 1852)

Nassa delicata A. Adams, 1852 : 99.
Nassa nodicostata A. Adams, 1852 : 99.
Nassarius (Niotha) delicatus - CERNOHORSKY, 1984 : 100, pl. 14, figs 4-8.

MATERIAL EXAMINED. — **New Caledonia.** LAGON : *Huon Atoll* : stn 438, 37 m : 38 spm. — Stn 439, 39 m : 1 spm. — Stn 440bis, 39 m : 17 spm. — Stn 441, 37 m : 12 spm. — Stn 442 + bis, 39 m : 24 spm. — Stn 443, 40 m : 5 spm.
Surprise Atoll : stn 446, 36 m : 36 spm. — Stn 447, 36 m : 1 spm. — Stn 448, 30 m : 19 spm. — Stn 449, 21 m : 6 spm. — Stn 450, 29 m : 2 spm. — Stn 452, 27 m : 20 spm. — Stn 453, 26 m : 19 spm. — Stn 454, 36 m : 7 spm. — Stn 455, 40 m : 7 spm. — Stn 456, 37 m : 2 spm. — Stn 463, 43 m : 3 spm. — Stn 465, 45 m : 11 spm. — Stn 466, 42 m : 3 spm. — Stn 467, 41 m : 1 spm. — Stn 469, 39 m : 18 spm. — Stn 470, 41 m : 8 spm. — Stn 472, 48 m : 1 spm. — Stn 473, 50 m : 11 spm. — Stn 474, 52 m : 1 spm.
Northern Lagoon : stn 478, 35 m : 32 spm. — Stn 481, 33 m : 49 spm. — Stn 482, 33 m : 24 spm. — Stn 517, 42 m : 2 spm. — Stn 519, 39 m : 10 spm. — Stn 535, 46 m : 1 spm. — Stn 536, 61 m : 2 spm. — Stn 541, 45 m : 2 spm. — Stn 542, 50 m : 3 spm.
Southwestern Lagoon : stn 7, 14 m : 32 spm. — Stn 8, 15 m : 11 spm. — Stn 9, 10 m : 1 spm. — Stn 39, 19 m : 1 spm. — Stn 40, 21 m : 14 spm. — Stn 41, 28-46 m : 2 spm. — Stn 46, 25 m : 2 spm. — Stn 47, 28 m : 1 spm. — Stn 50, 12 m : 9 spm. — Stn 51, 10 m : 15 spm. — Stn 64, 15 m : 16 spm. — Stn 65, 24 m : 39 spm. — Stn 66, 15 m : 13 spm. — Stn 77, 22 m : 2 spm. — Stn 78, 35 m : 2 spm. — Stn 80, 33 m : 32 spm. — Stn 83, 22 m : 24 spm. — Stn 84, 17 m : 5 spm. — Stn 85, 21 m : 1 spm. — Stn 95, 14 m : 8 spm. — Stn 98, 15 m : 7 spm. — Stn 150, 62-68 m : 2 spm. — Stn 160, 10 m : 1 spm. — Stn 161, 20 m : 14 spm. — Stn 162, 10 m : 12 spm. — Stn 163, 15 m : 28 spm. — Stn 170, 22 m : 19 spm. — Stn 186, 11 m : 17 spm. — Stn 187, 13 m : 2 spm. — Stn 192, 18 m : 8 spm. — Stn 199, 50 m : 1 spm. — Stn 200, 18 m : 5 spm. — Stn 202, 13 m : 1 spm. — Stn 206, 8 m : 1 spm. — Stn 212, 10 m : 29 spm. — Stn 214, 12 m : 34 spm. — Stn 217, 16 m : 9 spm. — Stn 218, 15 m : 2 spm. — Stn 219, 32 m : 2 spm. — Stn 226, 28 m : 31 spm. — Stn 233, 30 m : 5 spm. — Stn 239, 43 m : 3 spm. — Stn 265, 15 m : 3 spm. — Stn 266, 19 m : 1 spm. — Stn 268, 24 m : 10 spm. — Stn 269, 20 m : 1 spm. — Stn 277, 30 m : 1 spm. — Stn 281, 10 m : 5 spm. — Stn 284, 6 m : 2 spm. — Stn 290, 11 m : 6 spm. — Stn 291, 31 m : 1 spm. — Stn 293, 20 m : 20 spm. — Stn 294, 21 m : 1 spm. — Stn 296, 26 m : 1 spm. — Stn 305, 26 m : 4 spm. — Stn 306, 38 m : 1 spm. — Stn 308, 18 m : 2 spm. — Stn 311, 36 m : 3 spm. — Stn 316, 68 m : 1 spm. — Stn 336, 26 m : 2 spm. — Stn 339, 26 m : 2 spm. — Stn 340, 27 m : 1 spm. — Stn 341, 19 m : 8 spm. — Stn 345, 39 m : 2 spm. — Stn 348, 45 m : 2 spm. — Stn 544, 25 m : 12 spm. — Stn 546, 33 m : 1 spm. — Stn 547, 29 m : 14 spm. — Stn 548, 32 m : 3 spm. — Stn 549, 26 m : 5 spm. — Stn 550, 24 m : 1 spm. — Stn 554, 27 m : 1 spm. — Stn 556, 30 m : 2 spm. — Stn 559, 52 m : 1 spm. — Stn 560, 48 m : 1 spm. — Stn 564, 35 m : 1 spm. — Stn 571, 40 m : 2 spm. — Stn 581, 23 m : 8 spm. — Stn 582, 67 m : 1 spm. — Stn 585, 43 m : 1 spm. — Stn 589, 31 m : 3 spm. — Stn 590, 20 m : 14 spm. — Stn 591, 14 m : 6 spm. — Stn 593, 25 m : 1 spm.
Eastern Lagoon : stn 626, 47-48 m : 4 spm. — Stn 632, 44-45 m : 9 spm. — Stn 633, 50 m : 3 spm. — Stn 641, 50-52 m : 2 spm. — Stn 664, 28-30 m : 1 spm. — Stn 675, 43 m : 1 spm. — Stn 682, 36-37 m : 4 spm. — Stn 688, 36-40 m : 2 spm. — Stn 693, 35-38 m : 1 spm. — Stn 696, 41-57 m : 10 spm. — Stn 697, 35-36 m : 4 spm. — Stn 698, 40-43 m : 1 spm. — Stn 702, 37 m : 14 spm. — Stn 703, 38-40 m : 8 spm. — Stn 709, 39-40 m : 4 spm. — Stn 713, 34-35 m : 1 spm. — Stn 715, 34-35 m : 1 spm. — Stn 724, 36-38 m : 3 spm. — Stn 730, 40-43 m : 10 spm.

DISTRIBUTION. — From the Red Sea and the Persian Gulf to the Ryukyu and Fiji Islands.

REMARKS. — This species has been dredged in great numbers, and the majority of specimens were the nodulose form *nodicostata* A. Adams, although a few specimens were the typical *delicatus* form. In the nodulose form the axial ribs on the body whorl are distinctly nodulose and form 5-6 spiral rows of nodules.

Nassarius (Niotha) ecstilbus (Melvill & Standen, 1896)

Nassa (Telasco) ecstilbus Melvill & Standen, 1896 : 274, pl. 9, fig. 4 (Type locality : Lifu, Loyalty Islands).
Nassarius (Niotha) ecstilbus - CERNOHORSKY, 1984 : 101, pl. 14, figs 9, 10 ; pl. 15, fig. 1.

MATERIAL EXAMINED. — **New Caledonia.** LAGON : *Surprise Atoll* : stn 449, 21 m : 5 spm. — Stn 452, 27 m : 2 spm.
Northern Lagoon : stn 481, 33 m : 4 spm. — Stn 482, 33 m : 2 spm. — Stn 486, 33 m : 1 spm.
Southwestern Lagoon : stn 7, 14 m : 1 spm. — Stn 49, 10 m : 2 spm. — Stn 50, 12 m : 1 spm. — Stn 98, 15 m : 5 spm. — Stn 162, 10 m : 2 spm. — Stn 186, 11 m : 4 spm. — Stn 214, 12 m : 1 spm. — Stn 221, 55-65 m : 1 spm. — Stn 255, 11 m : 1 spm. — Stn 283, 13 m : 2 spm. — Stn 293, 20 m : 1 spm. — Stn 308, 18 m : 3 spm.

DISTRIBUTION. — From the Red Sea to the Philippines and the Fiji Islands.

REMARKS. — This species has been dredged in New Caledonian waters to a depth of 65 m.

Nassarius (Niotha) fretorum (Melvill & Standen, 1899)

Nassa fretorum Melvill & Standen, 1899 : 159, pl. 10, fig. 3.
Nassarius (Niotha) fretorum - CERNOHORSKY, 1984 : 101, pl. 15, figs 2-5.

MATERIAL EXAMINED. — **New Caledonia.** LAGON : *Southwestern Lagoon* : stn 324, 39 m : 1 spm. — Stn 358, 50 m : 1 spm.
Eastern Lagoon : stn 597 bis, 50-70 m : 1 spm.

DISTRIBUTION. — From India to the Philippines and NE Australia ; now New Caledonia.

REMARKS. — This is a new geographical record for the species.

Nassarius (Niotha) himeroessa (Melvill & Standen, 1903)

Nassa (Alectryon) himeroessa Melvill & Standen, 1903 : 306, pl. 22, fig. 7.
Nassarius (Niotha) himeroessa - CERNOHORSKY, 1984 : 107, pl. 17, figs 5-7.

MATERIAL EXAMINED. — **Chesterfield Islands.** MUSORSTOM 5 : stn 300, 22°48′ S, 159°24′ E, 450 m, 11 October 1986 : 1 spm. — Stn 304, 22°10′ S, 159°26′ E, 385-420 m, 12 October 1986 : 1 spm. — Stn 306, 22°08′ S, 159°21′ E, 375-415 m, 12 October 1986 : 1 spm.
New Caledonia. BIOCAL : stn DW 08, 20°34′ S, 166°54′ E, 435 m, 12 August 1985 : 5 spm. — Stn DW 33, 23°10′ S, 167°10′ E, 29 August 1985 : 2 spm. — Stn DW 46, 22°53′ S, 167°17′ E, 570-610 m, 30 August 1985 : 1 spm. — Stn DW 48, 23°00′ S, 167°29′ E, 775 m, 31 August 1985 : 9 spm. — Stn DW 49, 23°03′ S, 167°32′ E, 824-830 m, 31 August 1985 : 1 spm. — Stn DW 51, 23°05′ S, 167°45′ E, 680-700 m, 31 August 1985 : 23 spm. — Stn DW 56, 23°35′ S, 167°12′ E, 695-705 m, 1 September 1985 : 1 spm. — Stn DW 66, 24° 55′ S, 168°22′ E, 505-515 m, 3 September 1985 : 8 spm. — Stn DW 77, 22°15′ S, 167°15′ E, 440 m, 5 September 1985 : 22 spm. — Stn DW 83, 20°35′ S, 166°54′ E, 460 m, 6 September 1985 : 1 spm. — Stn DW 106, 21° 36′ S, 166°29′ E, 625-650 m, 8 September 1985 : 1 spm.
MUSORSTOM 4 : stn DW 149, 19°08′ S, 163°23′ E, 155 m, 14 September 1985 : 1 spm. — Stn DW 156, 18°54′ S, 163°19′ E, 525 m, 15 September 1985 : 1 spm. — Stn DW 159, 18°46′ S, 163°16′ E, 585 m, 15 September 1985 : 1 spm. — Stn CC 247, 22°09′ S, 167°13′ E, 435-460 m, 4 October 1985 : 1 spm.

DISTRIBUTION. — From the Persian Gulf to the Philippines and the Kermadec Islands.

REMARKS. — This is a new record of the species for New Caledonia.

Nassarius (Niotha) quadrasi (Hidalgo, 1904)

Nassa gruneri — REEVE, 1853 : pl. 12, fig. 75 (non *Buccinum gruneri* Dunker, 1846).
Nassa quadrasi Hidalgo, 1904 : 204 (nom. nov. pro *Nassa gruneri* of Reeve, 1853).
Nassarius (Niotha) quadrasi - CERNOHORSKY, 1984 : 108, pl. 17, figs 8-9 (synonymy).

MATERIAL EXAMINED. — **New Caledonia.** LAGON : *Surprise Atoll* : stn 453, 26 m : 2 spm.
Southwestern Lagoon : stn 9, 10 m : 1 spm. — Stn 162, 10 m : 4 spm. — Stn 214, 12 m : 4 spm. — Stn 226, 28 m : 3 spm. — Stn 308, 18 m : 2 spm. — Stn 341, 19 m : 1 spm. — Stn 591, 14 m : 1 spm.

DISTRIBUTION. — From Malaysia to the Ryukyu and Samoa Islands.

Nassarius (Niotha) sinusigerus (A. Adams, 1852)

Nassa sinusigera A. Adams, 1852 : 100.
Nassarius (Niotha) sinusigerus - CERNOHORSKY, 1984 : 103, pl. 16, figs 1-10 (synonymy).

MATERIAL EXAMINED. — **New Caledonia.** LAGON : *Southwestern Lagoon* : stn 34, 10 m : 1 spm. — Stn 139, 45 m : 6 spm. — Stn 140, 47 m : 4 spm. — Stn 141, 44 m : 19 spm. — Stn 142, 34 m : 6 spm. — Stn 143, 32 m : 23 spm. — Stn 144, 25 m : 21 spm. — Stn 278, 17 m : 1 spm.
Eastern Lagoon : stn 721, 22-23 m : 1 spm.

DISTRIBUTION. — From the Red Sea and the Gulf of Oman to the Fiji Islands.

REMARKS. — This is a new record of the species for New Caledonia.

Nassarius (Niotha) splendidulus (Dunker, 1846)

Fig. 7

Buccinum splendidulum Dunker, 1846 : 170.
Nassarius (Niotha) splendidulus - CERNOHORSKY, 1984 : 85, pl. 8, figs 8-9 and 11-13 ; pl. 9, figs 1-2 (synonymy — with the exclusion of references to *Nassarius stigmarius* A. Adams, 1852).

MATERIAL EXAMINED. — **New Caledonia.** LAGON : *Huon Atoll* : stn 438, 37 m : 2 spm. — Stn 440 bis, 39 m : 1 spm. — Stn 441, 37 m : 4 spm. — Stn 442 + bis, 39 m : 1 spm. — Stn 443, 40 m : 1 spm.
Surprise Atoll : stn 446, 36 m : 5 spm. — Stn 448, 30 m : 2 spm. — Stn 449, 21 m : 7 spm. — Stn 452, 27 m : 1 spm. — Stn 453, 26 m : 2 spm. — Stn 454, 36 m : 2 spm. — Stn 455, 40 m : 5 spm. — Stn 463, 43 m : 2 spm. — Stn 465, 45 m : 2 spm. — Stn 469, 20 m : 2 spm. — Stn 470, 41 m : 2 spm. — Stn 472, 48 m : 1 spm. — Stn 473, 50 m : 1 spm.
Northern Lagoon : stn 478, 35 m : 3 spm. — Stn 481, 33 m : 8 spm. — Stn 482, 33 m : 8 spm. — Stn 484, 35 m : 1 spm. — Stn 485, 32 m : 2 spm. — Stn 504, 45 m : 4 spm. — Stn 517, 42 m : 2 spm. — Stn 522, 42 m : 2 spm. — Stn 533, 50 m : 1 spm. — Stn 536, 61 m : 1 spm. — Stn 541, 45 m : 2 spm. — Stn 542, 50 m : 7 spm.
Southwestern Lagoon : stn 7, 14 m : 3 spm. — Stn 40, 21 m : 10 spm. — Stn 51, 10 m : 2 spm. — Stn 66, 15 m : 2 spm. — Stn 80, 33 m : 5 spm. — Stn 83, 22 m : 10 spm. — Stn 84, 17 m : 4 spm. — Stn 95, 14 m : 2 spm. — Stn 98, 15 m : 4 spm. — Stn 101, 18 m : 1 spm. — Stn 120, 46 m : 1 spm. — Stn 121, 12 m : 3 spm. — Stn 150, 62-68 m : 6 spm. — Stn 152, 23 m : 1 spm. — Stn 161, 20 m : 2 spm. — Stn 163, 15 m : 4 spm. — Stn 170, 22 m : 7 spm. — Stn 192, 18 m : 1 spm. — Stn 199, 50 m : 1 spm. — Stn 200, 18 m : 5 spm. — Stn 201, 17 m : 48 spm. — Stn 202, 13 m : 1 spm. — Stn 211, 12 m : 1 spm. — Stn 214, 12 m : 1 spm. — Stn 217, 16 m : 3 spm. — Stn 218, 15 m : 12 spm. — Stn 226, 28 m : 6 spm. — Stn 233, 30 m : 4 spm. — Stn 239, 43 m : 2 spm. — Stn 241, 35 m : 1 spm. — Stn 249, 11 m : 1 spm. — Stn 253, 16 m : 1 spm. — Stn 268, 24 m : 5 spm. — Stn 275, 19 m : 1 spm. — Stn 281, 10 m : 1 spm. — Stn 284, 6 m : 1 spm. — Stn 291, 31 m : 4 spm. — Stn 293, 20 m : 8 spm. — Stn 294, 21 m : 1 spm. — Stn 300, 21 m : 1 spm. — Stn 304, 27 m : 4 spm. — Stn 305, 26 m : 3 spm. — Stn 311, 36 m : 1 spm. — Stn 313, 30 m : 1 spm. — Stn 324, 39 m : 5 spm. — Stn 334, 47 m : 2 spm. — Stn 336, 26 m : 8 spm. — Stn 338, 32 m : 1 spm. — Stn 339, 26 m : 2 spm. — Stn 340, 27 m : 3 spm. — Stn 341, 19 m : 1 spm. — Stn 344, 37 m : 2 spm. — Stn 345, 39 m : 1 spm. — Stn 348, 45 m : 4 spm. — Stn 405, 27 m : 2 spm. — Stn 410, 35 m : 10 spm. — Stn 544, 25 m : 10 spm. — Stn 546, 33 m : 2 spm. — Stn 547, 29 m : 2 spm. — Stn 548, 32 m : 1 spm. — Stn 555, 32 m : 2 spm. — Stn 556, 30 m : 1 spm. — Stn 581, 23 m : 3 spm. — Stn 589, 31 m : 2 spm. — Stn 590, 20 m : 6 spm. — Stn 591, 14 m : 4 spm. — Stn 593, 25 m : 1 spm.
Eastern Lagoon : stn 620, 50-52 m : 1 spm. — Stn 625, 34-40 m : 1 spm. — Stn 631, 43 m : 3 spm. — Stn 632, 44-45 m : 5 spm. — Stn 633, 50 m : 2 spm. — Stn 641, 50-52 m : 3 spm. — Stn 681, 33 m : 3 spm. — Stn 682, 36-37 m : 5 spm. — Stn 685, 24-26 m : 1 spm. — Stn 697, 35-36 m : 4 spm. — Stn 701, 36-39 m : 1 spm. — Stn 702, 37 m : 12 spm. — Stn 703, 38-40 m : 3 spm. — Stn 709, 39-40 m : 2 spm. — Stn 713, 34-35 m : 1 spm. — Stn 715, 34-35 m : 1 spm. — Stn 716, 30 m : 2 spm. — Stn 724, 36-38 m : 1 spm. — Stn 729, 42-45 m : 4 spm. — Stn 730, 40-43 m : 2 spm.

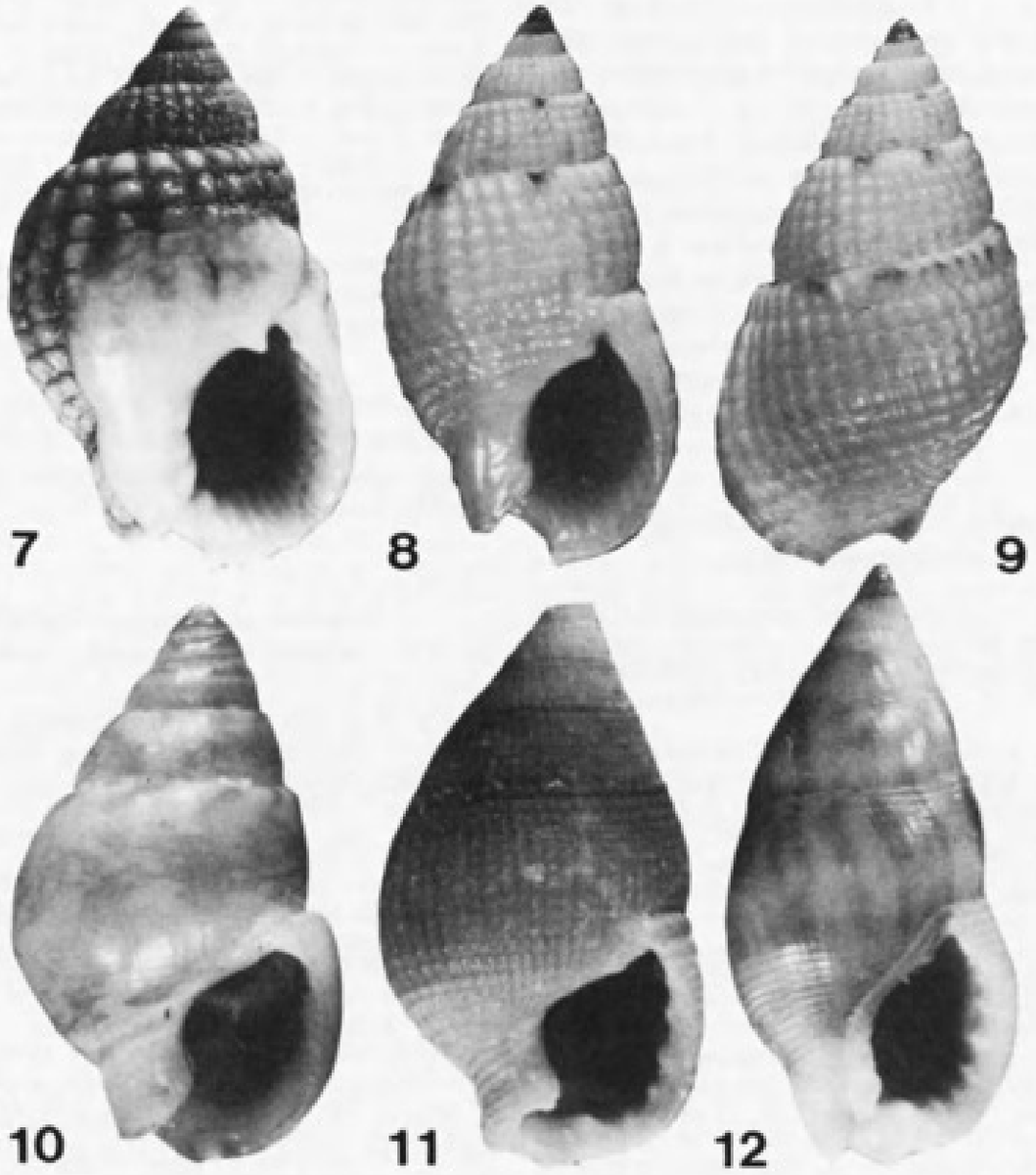
DISTRIBUTION. — From the Red Sea and the Persian Gulf to Hawaii and the Society Islands.

Nassarius (Niotha) stigmarius (A. Adams, 1852)

Figs 8-9

Nassa stigmaria A. Adams, 1852 : 96 (Type locality : Siquijor Id., Philippines).
Nassarius (Niotha) splendidulus - CERNOHORSKY [pars], 1984 : 85, pl. 8, fig. 10 only (illustrated holotype of *Nassa stigmaria* A. Adams) [non *Buccinum splendidulum* Dunker, 1846].

MATERIAL EXAMINED. — **Chesterfield Islands.** CHALCAL 1 : stn DC 9, 20°44′ S, 161°02′ E, 75 m, 15 July 1984 : 2 spm. — Stn DC 10, 20°36′ S, 161°06′ E, 87 m, 15 July 1984 : 2 spm. — Stn DC 17, 19°12′ S, 158°56′ E, 44 m, July 1984 : 11 spm. — Stn DC 26, 19°11′ S, 158°35′ E, 48 m, 18 July 1984 : 1 spm. — Stn DC 39, 20°29′ S, 158°41′ E, 40 m, 23 July 1984 : 1 spm. — Stn DC 40, 20°32′ S, 158°51′ E, 65 m, 23 July 1984 : 2 spm. — Stn DC 41, 20°35′ S, 158°47′ E, 67 m, 23 July 1984 : 3 spm. — Stn DC 45, 20°49′ S, 158°30′ E, 50 m, 23 July 1984 : 2 spm. — Stn DC 46, 20°52′ S, 158°34′ E, 65 m, 23 July 1984 : 2 spm. — Stn DC 49, 20°58′ S, 158°35′ E, 48 m, 24 July 1984 : 1 spm. — Stn DC 52, 21°13′ S, 158°49′ E, 69 m, 24 July 1984 : 1 spm. — Stn DC 55, 21°24′ S, 159°00′ E, 55 m, 25 July 1984 : 4 spm. — Stn DC 56, 21°24′ S, 159°09′ E, 60 m, 25 July 1984 : 3 spm. — Stn DC 59, 21°40′ S, 159°21′ E,



FIGS 7-12. — **7**. — *Nassarius splendidulus* (Dunker, 1846). LAGON, stn 83, 22 m ; 14.0 mm. **8-9**. — *Nassarius stigmarius* (A. Adams, 1852). LAGON, stn 542, 50 m ; 15.0 mm. **10**. — *Nassarius vidalensis* (Barnard, 1959). BIOCAL, stn DW 64, 250 m ; 7.3 mm. **11**. — *Nassarius abyssicolus* (A. Adams, 1852). CHALCAL 1, stn DC 26, 48 m ; 11.0 mm. **12**. — *Nassarius haldemanni* (Dunker, 1847). LAGON, stn 620, 50-52 m ; 16.0 mm.

56 m, 25 July 1984 : 1 spm. — Stn CP 16, 21°42′ S, 159°22′ E, 53 m, 25 July 1984 : 1 spm. — Stn DC 61, 21°42′ S, 159°29′ E, 50 m, 26 July 1984 : 5 spm.

New Caledonia. LAGON :
Huon Atoll : stn 433, 40-67 m : 1 spm.
Surprise Atoll : stn 446, 36 m : 1 spm. — Stn 455, 40 m : 1 spm.
Northern Lagoon : stn 542, 50 m : 2 spm.
Southwestern Lagoon : stn 200, 18 m : 1 spm. — Stn 229, 41 m : 1 spm. — Stn 264, 56 m : 1 spm. — Stn 267, 70 m : 2 spm. — Stn 310, 46 m : 1 spm. — Stn 340, 27 m : 1 spm. — Stn 546, 33 m : 1 spm. — Stn 570, 53 m : 1 spm. — Stn 572, 65 m : 1 spm.
Eastern Lagoon : stn 598, 73-75 m : 2 spm. — Stn 644, 45-48 m : 1 spm. — Stn 736, 44-45 m : 1 spm.

DISTRIBUTION. — From the Philippines to Japan and New Caledonia, subtidal, from 18-87 m.

REMARKS. — CERNOHORSKY (1984) erroneously placed *N. (N.) stigmarius* (A. Adams), in synonymy of *N. (N.) splendidulus* (Dunker). The large number of specimens of both species taken in New Caledonian waters clearly shows that they are separate species. *N. (N.) stigmarius* is lighter in weight and considerably less solid than *N. (N.) splendidulus*, with a finer sculpture consisting of close-set nodules, thinner outer lip and a smaller parietal callus which is thinning posteriorly; it is cream in colour with small undefined brown spots at sutures, 3 brown larval whorls and only 1 post-larval whorl purplish-brown. *N. (N.) splendidulus* always lacks the purplish-brown colouring of the apical whorls.

Nassarius (Telasco) multipunctatus (Schepman, 1911)

Nassa (Zeuxis) multipunctata Schepman, 1911 : 321, pl. 20, figs 4a, b.
Nassarius (Telasco) multipunctatus - CERNOHORSKY, 1984 : 122, pl. 22, figs 1-2 (synonymy).

MATERIAL EXAMINED. — **New Caledonia.** MUSORSTOM 4 : stn DW 187, 19°08' S, 163°29' E, 65-120 m, 19 September 1985 : 1 spm. — Stn CP 190, 19°06' S, 163°29' E, 215 m, 19 September 1985 : 3 spm. — Stn DW 227, 22°46' S, 167°20' E, 300 m, 30 September 1985 : 1 spm.

LAGON :
Huon Atoll : stn 433, 40-67 m : 1 spm.
Northern Lagoon : stn 495, 80 m : 1 spm. — Stn 536, 61 m : 3 spm. — Stn 537, 200 m : 1 spm. — Stn 542, 50 m : 5 spm.
Southwestern Lagoon : stn 234, 56 m : 2 spm. — Stn 234 bis, 60 m : 2 spm. — Stn 239, 43 m : 2 spm. — Stn 240, 42 m : 6 spm. — Stn 244, 37 m : 1 spm. — Stn 319, 50 m : 6 spm. — Stn 320, 70 m : 3 spm. — Stn 322, 71 m : 2 spm. — Stn 324, 39 m : 8 spm. — Stn 331, 79 m : 11 spm. — Stn 333, 71 m : 1 spm. — Stn 334, 47 m : 1 spm. — Stn 344, 37 m : 1 spm. — Stn 348, 45 m : 3 spm. — Stn 350, 67 m : 1 spm. — Stn 353, 70 m : 1 spm. — Stn 357, 77 m : 4 spm. — Stn 358, 50 m : 1 spm. — Stn 360, 60 m : 1 spm. — Stn 361, 78 m : 6 spm. — Stn 363, 67 m : 2 spm. — Stn 368, 70 m : 3 spm. — Stn 374, 70-72 m : 2 spm. — Stn 375, 67-71 m : 2 spm. — Stn 376, 75-76 m : 1 spm. — Stn 377, 56 m : 2 spm. — Stn 383, 62 m : 1 spm. — Stn 384, 70 m : 2 spm. — Stn 385, 75 m : 3 spm. — Stn 391, 65 m : 1 spm. — Stn 392, 80 m : 1 spm. — Stn 398, 71 m : 4 spm. — Stn 400, 64 m : 3 spm. — Stn 403, 45 m : 12 spm. — Stn 405, 27 m : 1 spm. — Stn 413, 40-60 m : 3 spm. — Stn 414, 60 m : 7 spm. — Stn 428, 56 m : 3 spm. — Stn 429, 95 m : 1 spm. — Stn 561, 48 m : spm. — Stn 562, 48 m : 2 spm. — Stn 580, 95-100 m : 2 spm. — Stn 589, 31 m : 2 spm.
Eastern Lagoon : stn 598, 73-75 m : 20 spm. — Stn 599, 50 m : 1 spm. — Stn 601, 47-48 m : 1 spm. — Stn 602, 43-48 m : 5 spm. — Stn 604, 80 m : 1 spm. — Stn 607, 48-54 m : 7 spm. — Stn 615, 56-60 m : 1 spm. — Stn 620, 50-52 m : 1 spm. — Stn 621, 55-56 m : 2 spm. — Stn 626, 47-48 m : 1 spm. — Stn 633, 50 m : 1 spm. — Stn 640, 50-80 m : 4 spm. — Stn 662, 50 m : 1 spm. — Stn 668, 40 m : 1 spm. — Stn 729, 42-45 m : 2 spm. — Stn 736, 44-45 m : 1 spm. — Stn 737, 49-50 m : 1 spm.

DISTRIBUTION. — From East Africa to the Philippines and the Solomon Islands ; now New Caledonia.

REMARKS. — The record of *N. (T.) multipunctatus* from New Caledonia is a new eastward range extension. The bathymetric range is extended from 200 m to 300 m.

Nassarius (Telasco) shacklefordi (Melvill & Standen, 1896)

Nassa (Telasco) shacklefordi Melvill & Standen, 1896 : 274, pl. 9, fig. 3 (Type locality : Lifou, Loyalty Islands).
Nassarius (Telasco) shacklefordi - CERNOHORSKY, 1984 : 123, pl. 22, figs 6-8 (synonymy).

MATERIAL EXAMINED. — **Chesterfield Islands.** CHALCAL 1 : stn DC 6, 20°57' S, 161°43' E, 45 m, 14 July 1984 : 1 spm. — Stn DC 7, 20°51' S, 161°37' E, 62 m, 14 July 1984 : 1 spm. — Stn DC 9, 20°44' S, 161°02' E, 75 m, 15 July 1984 : 1 spm. — Stn DC 17, 19°12' S, 158°56' E, 44 m, 17 July 1984 : 3 spm. — Stn DC 24, 19°11' S, 158°37' E, 38 m, 18 July 1984 : 6 spm. — Stn DC 25, 19°09' S, 158°32' E, 56 m, 18 July 1984 : 1 spm. — Stn DC 45, 20°49' S, 158°30' E, 50 m, 23 July 1984 : 4 spm. — Stn DC 55, 21°24' S, 159°00' E, 55 m, 25 July 1984 : 1 spm. — Stn DC 60, 21°49' S, 159°28' E, 45 m, 25 July 1984 : 3 spm.

New Caledonia. LAGON :
Southwestern Lagoon : stn 7, 14 m : 1 spm. — Stn 9, 10 m : 1 spm. — Stn 64, 15 m : 1 spm. — Stn 79, 16 m : 6 spm. — Stn 80, 33 m : 1 spm. — Stn 82, 10 m : 1 spm. — Stn 83, 22 m : 3 spm. — Stn 84, 17 m : 1 spm. — Stn 95, 14 m : 1 spm. — Stn 99, 14 m : 3 spm. — Stn 192, 18 m : 1 spm. — Stn 217, 16 m : 2 spm. — Stn 226, 28 m : 1 spm. — Stn 264, 56 m : 2 spm. — Stn 267, 70 m : 3 spm. — Stn 293, 20 m : 5 spm. — Stn 294, 21 m : 4 spm. — Stn 296, 26 m : 3 spm. — Stn 324, 39 m : 2 spm. — Stn 342, 55 m : 1 spm. — Stn 343, 32 m : 1 spm. — Stn 545, 37 m : 7 spm. — Stn 550, 24 m : 1 spm. — Stn 552, 38 m : 1 spm. — Stn 561, 48 m : 1 spm.
Eastern Lagoon : stn 597 bis, 50-70 m : 1 spm. — Stn 677, 32 m : 1 spm

DISTRIBUTION. — From Lord Howe Island, Australia to New Caledonia and tentatively Japan.

REMARKS. — The known bathymetric range for the species is extended from 40 m to 75 m.

Nassarius (Telasco) vidalensis (Barnard, 1959)

Fig. 10

Nassa vidalensis Barnard, 1959 : 118, textfig. 24b.
Nassarius (Telasco) vidalensis - CERNOHORSKY, 1984 : 123, pl. 22, figs 3-5 ; 1988 : 84.

MATERIAL EXAMINED. — **Chesterfield Islands.** CHALCAL 1 : stn DC 53, 21°19′ S, 158°55′ E, 60 m, 24 July 1984 : 1 spm.
MUSORSTOM 5 : stn 298, 22°44′ S, 159°22′ E, 320 m, 11 October 1986 : 1 spm. — Stn 299, 22°48′ S, 159°24′ E, 360-390 m, 11 October 1986 : 1 spm. — Stn 302, 22°10′ S, 159°23′ E, 345-360 m, 12 October 1986 : 1 spm. — Stn 304, 22°10′ S, 159°26′ E, 385-420 m, 12 October 1986 : 4 spm.
New Caledonia. BIOCAL : stn DW 64, 24°48′ S, 168°09′ E, 250 m, 3 September 1985 : 11 spm.
CHALCAL 2 : stn DW 71, 24°42′ S, 168°10′ E, 230 m, 27 October 1986 : 2 spm. — Stn DW 79, 23°41′ S, 168°00′ E, 243 m, 30 October 1986 : 1 spm. — Stn DW 84, 23°24′ S, 168°07′ E, 170 m, 31 October 1986 : 1 spm.

DISTRIBUTION. — From Reunion Island to South Africa, NW Australia and Japan ; now New Caledonia.

REMARKS. — The record of the species from New Caledonia represents a southeastward range extension. The known bathymetric range is extended from 225 m to 420 m. Fresh specimens are brightly ornamented with reddish-brown.

Nassarius (Zeuxis) abyssicolus (A. Adams, 1852)

Fig. 11

Nassa abyssicola A. Adams, 1852 : 100.
Nassarius (Zeuxis) abyssicolus - CERNOHORSKY, 1984 : 166, pl. 35, figs 1-3.

MATERIAL EXAMINED. — **Chesterfield Islands.** CHALCAL 1 : stn DC 26, 19°11′ S, 158°35′ E, 48 m, 18 July 1984 : 1 spm.

DISTRIBUTION. — To date known only from the Philippines and the Hawaiian Islands ; now New Caledonia.

REMARKS. — This is a new record for New Caledonia and a southern range extension.

Nassarius (Zeuxis) arcus sp. nov.

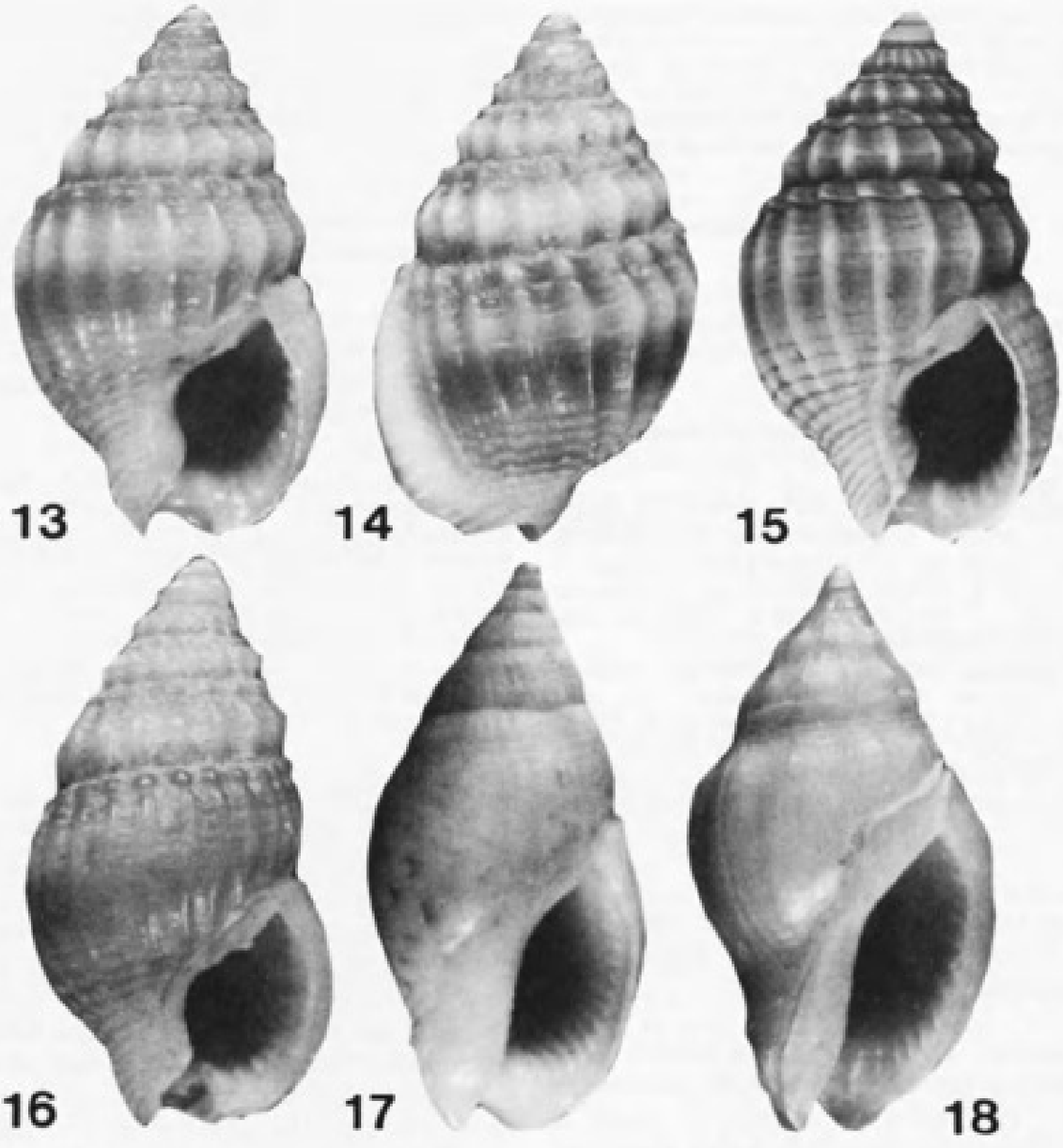
Figs 13-16

TYPE MATERIAL. — Holotype in MNHN ; paratypes in MNHN, AMS, AIM, NMNZ, NSMT, NM, USNM.

TYPE LOCALITY. — New Caledonia. LAGON : Southwestern Lagoon, Grand Récif Sud : stn 397, 22°39′ S, 167°11′ E, 125 m, 23 January 1985, B. RICHER-ORSTOM coll.

MATERIAL EXAMINED (all paratypes). — **New Caledonia.** MUSORSTOM 4 : stn DW 149, 19°08′ S, 163°23′ E, 155 m, 14 September 1985 : 150 spm, BOUCHET & RICHER coll. — Stn DW 150, 19°07′ S, 163°22′ E, 110 m, 14 September 1985 : 102 spm, BOUCHET & RICHER coll. — Stn DW 151, 19°07′ S, 163°22′ E, 200 m, 14 September 1985 : 38 spm.
LAGON : *Southwestern Lagoon* : stn 429, 22°40′ S, 167°15′ E, 95 m, 25 January 1985 : 7 spm, B. RICHER-ORSTOM coll.

DESCRIPTION. — Shell small, up to 9.0 mm in length, elongate-ovate, width 55-60 % of shell length, light in weight, teleoconch of 4-4 1/4 convex whorls, protoconch of 3 1/4-3 1/2 smooth, glassy-white larval whorls, ultimate turn finely carinate ; first 3 post-larval whorls angulate centrally, angulation usually only faintly indicated on the presutural ramp of the body whorl. Sculptured with distinct axial ribs which continue to the back of the outer lip and number from 13-20 on the penultimate and from 14-24 on the body whorl ; spiral sculpture distinct, consisting of fine spiral grooves which number from 4-7 on the penultimate and from 8-12 on the body whorl ; followed by 2-5 raised spiral threads anteriorly and from 5-7 oblique cords on the siphonal fasciole ; sutures with a uniformly nodulose girdle. Aperture about the same height as the spire, height 45-51 % of shell length, outer lip thickened and broadly variced, interior of outer lip with 8-11 fine, elongated denticles, columella concave and with 2-4 minute denticles, plus a weak or distinct parietal denticle, columellar callus narrow and confined to aperture, siphonal canal short, broad and prominent. White in colour, spire whorls with 2 brownish sutural bands, body whorl with a sutural, central



FIGS 13-18. — **13-15**. — *Nassarius arcus* sp. nov. Holotype. LAGON, stn 397, 125 m ; 7.9 mm (15, coated to show sculpture). **16**. — *Nassarius arcus* sp. nov. Paratype. LAGON, stn 429, 95 m ; 8.4 mm (slender individual). **17**. — *Cyllene concinna* A. Adams, 1851. LAGON, stn 218, 15 m ; 12.5 mm. **18**. — *Cyllene fuscata* A. Adams, 1851. MUSORSTOM 4, stn DW 150, 110 m ; 15.5 mm.

and sometimes basal brown band, aperture and varix white. Some specimens are white and have a single orange-brown band on body whorl. Preserved animal white, operculum translucent pale yellow with a short brown line in centre, rounded and simple at margins.

DISTRIBUTION. — To date known only from New Caledonia, in 95-200 m.

REMARKS. — *N. (Z.) arcus* is only superficially similar to *N. (Z.) agapetus* (Watson, 1882), but this species lacks the features of compressed and centrally angulate whorls and the prominent presutural groove and sutural nodules of *N. (Z.) arcus*. Some specimens of *N. (Z.) arcus*, especially those from MUSORSTOM 4, stn DW 149, are rather compressed so that all spire whorls are distinctly angulate on the presutural ramp and the body whorl is also subangulate.

Nassarius (Zeuxis) barsdelli Ladd, 1976

Nassarius (Alectrion) barsdelli Ladd, 1976 : 131, figs 12-15.
Nassarius (Zeuxis) barsdelli - Cernohorsky, 1984 : 140, pl. 27, figs 1-3.

Material examined. — **New Caledonia.** Lagon : *Southwestern Lagoon* : stn 329, 80 m : 1 spm immature.

Distribution. — Previously known only from Recent specimens in the Philippines and fossil specimens from the Pleistocene of Vanuatu ; now New Caledonia.

Remarks. — Only one immature specimen of *N. (Z.) barsdelli* has been taken in New Caledonian waters. This is only the second locality after the Philippines from where Recent specimens have been recorded.

Nassarius (Zeuxis) castus (Gould, 1850)

Nassa casta Gould, 1850 : 154.
Nassarius (Zeuxis) castus - Cernohorsky, 1984 : 130, pl. 24, figs 7-17 ; pl. 25, figs 1-10 (synonymy).

Material examined. — **New Caledonia.** Lagon : *Northern Lagoon* : stn 513, 55 m : 14 spm.
Southwestern Lagoon : stn 17, 24 m : 1 spm. — Stn 19, 29 m : 1 spm. — Stn 41, 28-46 m : 1 spm. — Stn 69, 13 m : 1 spm. — Stn 74, 31 m : 1 spm. — Stn 86, 29 m : 5 spm. — Stn 91, 30 m : 1 spm. — Stn 107, 33 m : 1 spm. — Stn 108, 17 m : 1 spm. — Stn 130, 32 m : 1 spm. — Stn 131, 38 m : 3 spm. — Stn 133, 59-62 m : 1 spm. — Stn 139, 45 m : 6 spm. — Stn 149, 48 m : 7 spm. — Stn 173, 20-50 m : 2 spm. — Stn 178, 20 m : 1 spm. — Stn 184, 13 m : 1 spm. — Stn 187, 13 m : 6 spm. — Stn 192, 18 m : 3 spm. — Stn 193, 20 m : 1 spm. — Stn 202, 13 m : 1 spm. — Stn 203, 13 m : 1 spm. — Stn 208, 9 m : 2 spm. — Stn 209, 14 m : 6 spm. — Stn 210, 14 m : 1 spm. — Stn 211, 12 m : 2 spm. — Stn 215, 14 m : 14 spm. — Stn 216, 14 m : 10 spm. — Stn 219, 32 m : 9 spm. — Stn 220, 12 m : 1 spm. — Stn 221, 55-65 m : 15 spm. — Stn 235, 70 m : 1 spm. — Stn 238, 50 m : 1 spm. — Stn 245, 62 m : 1 spm. — Stn 268, 24 m : 1 spm. — Stn 277, 30 m : 1 spm. — Stn 278, 17 m : 2 spm. — Stn 317, 66 m : 1 spm. — Stn 318, 71 m : 1 spm. — Stn 320, 70 m : 3 spm. — Stn 329, 80 m : 1 spm. — Stn 354, 78 m : 2 spm. — Stn 550, 24 m : 4 spm. — Stn 591, 14 m : 1 spm.
Eastern Lagoon : stn 606, 46-48 m : 2 spm. — Stn 608, 50-56 m : 9 spm. — Stn 611, 56-57 m : 3 spm. — Stn 614, 48-50 m : 2 spm. — Stn 619, 27-42 m : 1 spm. — Stn 624, 44-46 m : 1 spm. — Stn 628, 55-56 m : 15 spm. — Stn 635, 45-52 m : 1 spm. — Stn 636, 34-40 m : 82 spm. — Stn 638, 56-58 m : 1 spm. — Stn 643, 56-66 m : 8 spm. — Stn 646, 66-70 m : 1 spm. — Stn 647, 50-52 m : 1 spm. — Stn 649, 64-65 m : 3 spm. — Stn 652, 55-62 m : 2 spm. — Stn 654, 32 m : 3 spm. — Stn 655, 35-40 m : 2 spm. — Stn 656, 30-40 m : 14 spm. — Stn 660, 48-52 m : 5 spm. — Stn 667, 33-37 m : 3 spm. — Stn 670, 48 m : 1 spm. — Stn 672, 15-20 m : 2 spm. — Stn 674, 48 m : 5 spm. — Stn 683, 42-45 m : 1 spm. — Stn 692, 44-48 m : 6 spm. — Stn 694, 45-47 m : 7 spm. — Stn 695, 54-55 m : 16 spm. — Stn 705, 46-48 m : 1 spm. — Stn 712, 47-49 m : 7 spm. — Stn 723, 45 m : 4 spm. — Stn 727, 45-46 m : 2 spm. — Stn 728, 43-47 m : 13 spm. — Stn 729, 42-45 m : 3 spm. — Stn 732, 43-50 m : 3 spm. — Stn 733, 35-38 m : 1 spm. — Stn 737, 49-50 m : 3 spm. — Stn 738, 59-61 m : 14 spm.

Distribution. — From the Red Sea and the Persian Gulf to Japan and the Samoa Islands.

Remarks. — The majority of the New Caledonian *N. (Z.) castus* populations belong to the form *vitiensis* Rousseau, 1854.

Nassarius (Zeuxis) comptus (A. Adams, 1852)

Nassa compta A. Adams, 1852 : 107.
Nassarius (Zeuxis) comptus - Cernohorsky : 146, pl. 29, figs 1-7 (synonymy).

Material examined. — **Chesterfield Islands.** Chalcal 1 : stn DC 44, 20°46' S, 158°34' E, 79 m, 23 July 1984 : 7 spm.

New Caledonia. Musorstom 4 : stn CP 148, 19°23' S, 163°32' E, 58 m, 14 September 1985 : 2 spm.
Lagon :
Northern Lagoon : stn 506, 56 m : 1 spm. — Stn 529, 50 m : 5 spm. — Stn 532, 56 m : 2 spm. — Stn 535, 46 m : 2 spm. — Stn 539, 240 m : 2 spm.
Southwestern Lagoon : stn 1, 19 m : 3 spm. — Stn 2, 14 m : 2 spm. — Stn 11, 24 m : 16 spm. — Stn 16, 30 m : 3 spm. — Stn 17, 24 m : 3 spm. — Stn 19, 29 m : 4 spm. — Stn 24, 28 m : 4 spm. — Stn 25, 28 m : 13 spm. — Stn 26, 22 m : 1 spm. — Stn 27, 18 m : 3 spm. — Stn 28, 9 m : 1 spm. — Stn 29, 12 m : 6 spm. — Stn 31, 29 m : 2 spm. — Stn 32, 30 m : 5 spm. — Stn 33, 18 m : 4 spm. — Stn 34, 10 m : 5 spm. — Stn 41, 28-46 m : 2 spm. — Stn 42, 25 m : 3 spm. — Stn 45, 14 m : 2 spm. — Stn 46, 25 m : 3 spm. — Stn 47, 28 m : 2 spm. — Stn 54, 25 m : 5 spm. — Stn 55, 23 m : 1 spm. — Stn 57, 10 m : 2 spm. — Stn 58, 22 m : 1 spm. — Stn 69, 13 m : 1 spm. — Stn 70, 30 m : 1 spm. — Stn 71, 22 m : 5 spm. — Stn 72, 15 m : 6 spm. — Stn 73, 15 m : 2 spm. — Stn 74, 31 m : 3 spm. — Stn 78, 35 m : 5 spm. — Stn 85, 21 m : 1 spm. — Stn 86, 29 m : 9 spm. — Stn 87, 27 m : 8 spm. — Stn 88, 34 m : 1 spm. — Stn 89, 32 m : 4 spm. — Stn 91, 30 m : 2 spm. — Stn 92, 24 m : 4 spm. — Stn 104, 24 m : 9 spm. — Stn 105, 33 m : 5 spm. — Stn 107, 33 m : 7 spm. — Stn 109, 16 m : 3 spm. — Stn 111, 25 m :

4 spm. — Stn 115, 26 m : 1 spm. — Stn 119, 20 m : 3 spm. — Stn 122, 28 m : 1 spm. — Stn 131, 38 m : 7 spm. — Stn 139, 45 m : 2 spm. — Stn 143, 32 m : 1 spm. — Stn 147, 50-60 m : 2 spm. — Stn 149, 48 m : 1 spm. — Stn 154, 29 m : 2 spm. — Stn 155, 23 m : 3 spm. — Stn 165, 21 m : 4 spm. — Stn 167, 11 m : 1 spm. — Stn 168, 10 m : 1 spm. — Stn 169, 22 m : 4 spm. — Stn 175, 17 m : 1 spm. — Stn 178, 20 m : 2 spm. — Stn 179, 12 m : 5 spm. — Stn 180, 10 m : 4 spm. — Stn 187, 13 m : 3 spm. — Stn 188, 8 m : 1 spm. — Stn 192, 18 m : 2 spm. — Stn 199, 50 m : 3 spm. — Stn 201, 17 m : 1 spm. — Stn 202, 13 m : 1 spm. — Stn 203, 13 m : 2 spm. — Stn 230, 35 m : 1 spm. — Stn 231, 32 m : 1 spm. — Stn 249, 11 m : 1 spm. — Stn 252, 22 m : 1 spm. — Stn 260, 23 m : 5 spm. — Stn 262, 21 m : 3 spm. — Stn 263, 23 m : 9 spm. — Stn 264, 19 m : 1 spm. — Stn 266, 19 m : 1 spm. — Stn 268, 24 m : 1 spm. — Stn 269, 20 m : 5 spm. — Stn 270, 25 m : 14 spm. — Stn 271, 22 m : 9 spm. — Stn 272, 20 m : 5 spm. — Stn 274, 12 m : 1 spm. — Stn 275, 19 m : 4 spm. — Stn 276, 26 m : 5 spm. — Stn 277, 30 m : 4 spm. — Stn 278, 17 m : 8 spm. — Stn 279, 29 m : 5 spm. — Stn 285, 19 m : 1 spm. — Stn 286, 28 m : 2 spm. — Stn 287, 29 m : 2 spm. — Stn 289, 23 m : 4 spm. — Stn 290, 11 m : 4 spm. — Stn 314, 46 m : 1 spm. — Stn 320, 70 m : 7 spm. — Stn 322, 71 m : 4 spm. — Stn 328, 72 m : 1 spm. — Stn 331, 79 m : 3 spm. — Stn 376, 75-76 m : 1 spm. — Stn 429, 95 m : 1 spm.

DISTRIBUTION. — From the Red Sea and the Persian Gulf to Japan and the Society Islands.

Nassarius (Zeuxis) concinnus (Powys, 1835)

Nassa concinna Powys, 1835 : 95.
Nassarius (Zeuxis) concinnus - CERNOHORSKY, 1984 : 143, pl. 28, figs 2-9 (synonymy).

MATERIAL EXAMINED. — **New Caledonia.** LAGON : *Southwestern Lagoon* : stn 143, 32 m : 2 spm. — Stn 206, 8 m : 1 spm. — Stn 549, 26 m : 1 spm. — Stn 550, 24 m : 1 spm.
Eastern Lagoon : stn 672, 15-20 m : 1 spm.

DISTRIBUTION. — From the Red Sea and the Persian Gulf to Japan and the Tuamotu Archipelago.

Nassarius (Zeuxis) crebricostatus (Schepman, 1911)

Nassa (Alectryon, Aciculina) crebricostata Schepman, 1911 : 318, pl. 20, figs 3a, b.
Nassarius olomea Kay, 1979 : 274, fig. 95E (new synonym).
Nassarius (Zeuxis) crebricostatus - CERNOHORSKY, 1984 : 160, pl. 33, figs 3-8 (synonymy).

MATERIAL EXAMINED. — **Chesterfield Islands.** MUSORSTOM 5 : stn 304, 22°10′ S, 159°26′ E, 385-420 m, 12 October 1986 : 1 spm. — Stn 337, 19°54′ S, 158°38′ E, 412-430 m, 15 October 1986 : 1 spm. — Stn 378, 19°54′ S, 158°38′ E, 355 m, 20 October 1986 : 1 spm. — Stn 379, 19°53′ S, 158°40′ E, 370-400 m, 20 October 1986 : 3 spm. — Stn 381, 19°38′ S, 158°47′ E, 620 m, 21 October 1986 : 1 spm.
New Caledonia. BIOCAL : stn DW 104, 21°31′ S, 166°21′ E, 375-450 m, 8 September 1985 : 1 spm.
MUSORSTOM 4 : stn DW 181, 18°57′ S, 163°22′ E, 350 m, 18 September 1985 : 1 spm. — Stn DW 197, 18°51′ S, 163°21′ E, 550 m, 20 September 1985 : 1 spm. — Stn DW 222, 22°58′ S, 167°33′ E, 410-440 m, 30 September 1985 : 1 spm. — Stn DW 226, 22°47′ S, 167°22′ E, 390 m, 30 September 1985 : 4 spm. — Stn DW 227, 22°46′ S, 167°20′ E, 300 m, 30 September 1985 : 4 spm. — Stn CC 246, 22°08′ S, 167°11′ E, 410-420 m, 3 October 1985 : 6 spm. — Stn CC 247, 22°09′ S, 167°13′ E, 435-460 m, 4 October 1985 : 1 spm.

DISTRIBUTION. — From the Red Sea to the Tuamotu Archipelago and the Hawaiian Islands.

REMARKS. — This is a new record of the species for New Caledonia.

The known bathymetric range is extended from 472 m to 620 m.

Some of the specimens collected were uniformly white or fawn in colour, while others had the axial ribs partially or fully lined with reddish-brown. The more slender form of *N. (Z.) crebricostatus* with brown-lined axial ribs described by KAY (1979) as *N. olomea*, was found among populations of *N. (Z.) crebricostatus* in New Caledonian waters, and I have no hesitation in placing *Nassarius olomea* Kay, 1979, in synonymy of *N. (Z.) crebricostatus* (Schepman).

Nassarius (Zeuxis) crematus (Hinds, 1844)

Nassa cremata Hinds, 1844 : 35, pl. 9, figs 8-9.
Nassarius (Zeuxis) crematus - CERNOHORSKY : 129, pl. 24, figs 1-6 (synonymy).

MATERIAL EXAMINED. — **New Caledonia.** LAGON : *Northern Lagoon* : stn 527, 59 m : 1 spm.
Southwestern Lagoon : stn 139, 45 m : 1 spm. — Stn 147, 50-60 m : 1 spm. — Stn 234, 56 m : 1 spm. — Stn 237, 62 m : 2 spm. — Stn 238, 50 m : 2 spm. — Stn 318, 71 m : 3 spm. — Stn 321, 70 m : 1 spm. — Stn 323, 80 m : 3 spm. — Stn 325, 75 m : 3 spm. — Stn 562, 48 m : 1 spm.
Eastern Lagoon : stn 605, 65-70 m : 2 spm. — Stn 609, 52-60 m : 1 spm. — Stn 610, 49 m : 1 spm. — Stn 611,

56-57 m : 1 spm. — Stn 622, 67 m : 1 spm. — Stn 628, 55-56 m : 2 spm. — Stn 630, 60-68 m : 4 spm. — Stn 636, 34-40 m : 7 spm. — Stn 637, 60-65 m : 2 spm. — Stn 638, 56-58 m : 2 spm. — Stn 643, 56-66 m : 3 spm. — Stn 646, 66-70 m : 1 spm. — Stn 647, 50-52 m : 7 spm. — Stn 649, 64-65 m : 2 spm. — Stn 652, 55-62 m : 4 spm. — Stn 655, 35-40 m : 4 spm. — Stn 656, 30-40 m : 1 spm. — Stn 660, 48-52 m : 1 spm. — Stn 665, 40-42 m : 4 spm. — Stn 666, 33-35 m : 3 spm. — Stn 667, 33-37 m : 1 spm. — Stn 674, 48 m : 1 spm. — Stn 679, 29-30 m : 1 spm. — Stn 683, 42-45 m : 2 spm. — Stn 689, 46-48 m : 1 spm. — Stn 691, 33-34 m : 1 spm. — Stn 692, 44-48 m : 4 spm. — Stn 694, 45-47 m : 1 spm. ; 54-55 m : 1 spm. — Stn 695, 54-55 m : 1 spm. — Stn 699, 50-52 m : 4 spm. — Stn 704, 46-58 m : 3 spm. — Stn 705, 46-48 m : 2 spm. — Stn 706, 52-56 m : 1 spm. — Stn 716, 30 m : 1 spm. — Stn 722, 42 m ; 1 spm. — Stn 723, 45 m : 1 spm. — Stn 726, 50-51 m : 2 spm. — Stn 727, 45-46 m : 3 spm. — Stn 728, 43-47 m : 2 spm. — Stn 733, 35-38 m : 2 spm.

DISTRIBUTION. — From East Africa to India, Japan and the Fiji Islands.

Nassarius (Zeuxis) haldemanni (Dunker, 1847)

Fig. 12

Buccinum haldemanni Dunker, 1847 : 62.
Nassarius (Zeuxis) haldemanni - CERNOHORSKY, 1984 : 145, pl. 28, figs 10-13 (synonymy).

MATERIAL EXAMINED. — **New Caledonia.** LAGON : *Eastern Lagoon* : stn 620 : 50-52 m : 1 spm.

DISTRIBUTION. — From the Red Sea to the Philippines and the Marquesas Islands.

REMARKS. — Since the publication of the monograph of Nassariidae (CERNOHORSKY, 1984), specimens of *N. (Z.) haldemanni* have been examined from Faaone, Tahiti, and lots USNM 798419, 799215 and 790397 from the Marquesas Islands (National Museum of Natural History, Washington). The record of a single specimen of this rare species from New Caledonian waters is a new locality record, and the known bathymetric range is also extended from 40 m to 52 m.

Nassarius (Zeuxis) idyllius (Melvill & Standen, 1901)

Nassa (Alectryon) idyllia Melvill & Standen, 1901 : 410, pl. 23, fig. 12.
Nassarius (Zeuxis) idyllius - CERNOHORSKY, 1984 : 156, pl. 32, figs 8-12 (synonymy).

MATERIAL EXAMINED. — **New Caledonia.** LAGON : *Southwestern Lagoon* : stn 429, 95 m : 1 spm.

DISTRIBUTION. — From the Persian Gulf to the Philippines and the Fiji Islands.

REMARKS. — This is a new locality record for the species.

Nassarius (Zeuxis) macrocephalus (Schepman, 1911)

Nassa (Alectryon) macrocephala Schepman, 1911 : 317, pl. 20, figs 2a, b.
Nassarius (Zeuxis) macrocephalus - CERNOHORSKY, 1984 : 159, pl. 33, figs 1-2.

MATERIAL EXAMINED. — **New Caledonia.** MUSORSTOM 4 : stn CC 175, 18°59' S, 163°17' E, 355 m, 17 September 1985 : 20 spm.

DISTRIBUTION. — From Indonesia to the China Sea and North Australia ; now New Caledonia.

REMARKS. — This record is a southeastward range extension for the species.

Nassarius (Zeuxis) siquijorensis (A. Adams, 1852)

Nassa siquijorensis A. Adams, 1852 : 97.
Nassarius (Zeuxis) siquijorensis - CERNOHORSKY, 1984 : 134, pl. 25, figs 12-14 ; pl. 26, figs 1-5 (synonymy).

MATERIAL EXAMINED. — **Chesterfield Islands.** CHALCAL 1 : stn DC 33, 19°45' S, 158°26' E, 205 m, 19 July 1984 : 4 spm. — Stn CP 10, 20°00' S, 158°47' E, 225 m, 22 July 1981 : 1 spm. — Stn DC 63, 22°11' S, 159°15' E, 305 m, 27 July 1984 : 7 spm. — Stn DC 64, 22°11' S, 159°15' E, 305 m, 27 July 1984 : 6 spm. — Stn DC 66, 22°26' S, 159°20' E, 320 m, 28 July 1984 : 3 spm. — Stn DC 67, 22°35' S, 159°09' E, 277 m, 28 July 1984 : 1 spm.

MUSORSTOM 5 : stn 255, 25°15' S, 159°55' E, 280-295 m, 7 October 1986 : 3 spm. — Stn 258, 25°33' S, 159°46' E, 300 m, 8 October 1986 : 3 spm. — Stn 263, 25°21' S, 159°46' E, 150-225 m, 8 October 1986 : 1 spm. — Stn 265, 25°21' S, 159°45' E, 190-260 m, 8 October 1986 : 7 spm. — Stn 266, 25°20' S, 159°46' E, 240 m, 8 October 1986 : 12 spm. — Stn 270, 24°49' S, 159°34' E, 223 m, 9 October 1986 : 5 spm. — Stn 276, 24°49' S, 159°41' E, 258-269 m, 9 October 1986 : 3 spm. — Stn 282, 24°12' S, 159°32' E, 226-230 m, 10 October 1986 : 6 spm. — Stn 284, 24°10' S, 159°33' E, 225-230 m, 10 October 1986 : 1 spm. — Stn 289, 24°02' S, 159°38' E, 273 m, 10 October 1986 : 2 spm. — Stn 291, 23°08' S, 159°28' E, 300 m,

11 October 1986 : 3 spm. — Stn 293, 23°09′ S, 159°31′ E, 280 m, 11 October 1986 : 1 spm. — Stn 294, 23°11′ S, 159°30′ E, 272 m, 11 October 1986 : 8 spm. — Stn 295, 23°13′ S, 159°32′ E, 279 m : 11 October 1986 : 6 spm. — Stn 296, 23°13′ S, 159°36′ E, 278 m, 11 October 1986 : 3 spm. — Stn 312, 22°17′ S, 159°25′ E, 315-320 m, 12 October 1986 : 3 spm. — Stn 315, 22°25′ S, 159°27′ E, 330-335 m, 13 October 1986 : 1 spm. — Stn 318, 22°27′ S, 159°21′ E, 330 m, 13 October 1986 : 2 spm. — Stn 320, 22°25′ S, 159°13′ E, 315 m, 13 October 1986 : 1 spm. — Stn 347, 19°39′ S, 158°28′ E, 260 m, 17 October 1986 : 1 spm.

New Caledonia. MUSORSTOM 4 : stn DW 151, 19°07′ S, 163°22′ E, 200 m, 14 September 1985 : 1 spm. — Stn CC 175, 18°59′ S, 163°17′ E, 355 m, 17 September 1985 : 1 spm. — Stn DW 186, 19°07′ S, 163°30′ E, 190 m, 19 September 1985 : 1 spm. — Stn DW 204, 22°37′ S, 167°06′ E, 120 m, 27 September 1985 : 1 spm.

LAGON :
Northern Lagoon : stn 502, 190 m : 1 spm.
Southwestern Lagoon : stn 367, 105 m : 1 spm.

DISTRIBUTION. — From the Red Sea to Japan and New Caledonia.

Nassarius (Profundinassa) babylonicus (Watson, 1882)

Nassa babylonica Watson, 1882 : 366.
Nassarius (Profundinassa) babylonicus - CERNOHORSKY, 1984 : 173, pl. 36, figs 1-4 (synonymy).

MATERIAL EXAMINED. — **New Caledonia.** BIOCAL : stn CP 26, 22°40′ S, 166°27′ E, 1 680-1 740 m, 28 August 1985 : 1 spm. — Stn CP 75, 22°19′ S, 167°23′ E, 825-860 m, 4 September 1985 : 1 spm. — Stn DW 80, 20°32′ S, 166°48′ E, 900-980 m, 5 September 1985 : 1 spm.

DISTRIBUTION. — From the Gulf of Oman to Japan and East Australia ; now New Caledonia.

REMARKS. — The record of this species represents an eastward range extension from East Australia.

Nassarius (Hima) pauperus (Gould, 1850)

Nassa paupera Gould, 1850 : 155.
Nassarius (Hima) pauperus - CERNOHORSKY, 1984 : 176, pl. 37, figs 1-14 (synonymy).

MATERIAL EXAMINED. — **Chesterfield Islands.** CHALCAL 1 : stn DC 17, 19°12′ S, 158°56′ e, 44 m, 17 July 1984 : 1 spm. — Stn DC 18, 19°08′ S, 158°48′ E, 60 m, 17 July 1984 : 1 spm. — Stn DC 57, 21°29′ S, 159°16′ E, 62 m, 25 July 1984 : 1 spm.

New Caledonia. LAGON :
Huon Atoll : stn 441, 37 m : 1 spm.
Southwestern Lagoon : stn 10, 15 m : 1 spm. — Stn 64, 15 m : 2 spm. — Stn 68, 22-40 m : 1 spm. — Stn 77, 22 m : 1 spm. — Stn 78, 35 m : 1 spm. — Stn 95, 14 m : 1 spm. — Stn 146, 40-52 m : 1 spm. — Stn 161, 20 m : 1 spm. — Stn 234, 56 m : 1 spm. — Stn 240, 42 m : 1 spm. — Stn 287, 29 m : 1 spm. — Stn 290 ?, 11 m : 1 spm. — Stn 348, 45 m : 2 spm. — Stn 357, 77 m : 1 spm. — Stn 384 bis, 72 m : 1 spm.
Eastern Lagoon : stn 603, 78-80 m : 1 spm. — Stn 619, 27-42 m : 3 spm. — Stn 620, 50-52 m : 1 spm. — Stn 621, 55-56 m : 1 spm. — Stn 623, 32-40 m : 1 spm. — Stn 625, 34-40 m : 1 spm. — Stn 677, 32 m : 1 spm. — Stn 696, 41-57 m : 1 spm. — Stn 729, 42-45 m : 1 spm.

DISTRIBUTION. — From the Red Sea to South Africa, Japan, Cook and Hawaiian Islands.

Genus *CYLLENE* Gray *in* Griffith & Pidgeon, 1834

Cyllene concinna A. Adams, 1851

Fig. 17

Cyllene concinna A. Adams, 1851 : 205.
Cyllene concinna - CERNOHORSKY, 1984 : 225, pl. 51, figs 3-5 (synonymy) ; 1988 : 84.

MATERIAL EXAMINED. — **Chesterfield Islands.** MUSORSTOM 5 : stn 264, 25°20′ S, 159°44′ E, 56 m, 8 October 1986 : 4 spm.

New Caledonia. LAGON :
Southwestern Lagoon : stn 218, 15 m : 5 spm.

DISTRIBUTION. — From Réunion Island to Japan ; now New Caledonia.

REMARKS. — CERNOHORSKY (1988) recorded the species from various stations at Réunion Island at depths ranging from 40-340 m. The New Caledonian record is a considerable southeastern range extension. *C. concinna* is similar to *C. pulchella* Adams & Reeve, 1850, but differs in having a paucispiral protoconch of 1.5-2 whorls.

Cyllene fuscata A. Adams, 1851

Fig. 18

Cyllene fuscata A. Adams, 1851 : 205.
Cyllene fuscata - CERNOHORSKY, 1984 : 220, pl. 47, fig. 10 ; pl. 48, figs 1-5 (synonymy).

MATERIAL EXAMINED. — **New Caledonia.** MUSORSTOM 4 : stn DW 150, 19°07' S, 163°22' E, 110 m, 14 September 1985 : 1 spm.

DISTRIBUTION. — From the Gulf of Oman to East Africa and Indo-Malaysia ; now New Caledonia.

REMARKS. — The single specimen recorded from New Caledonian waters belongs to the form *plumbea* Sowerby, 1859. This a considerable eastward range extension for the species.

Cyllene pulchella A. Adams & Reeve, 1850

Cyllene pulchella A. Adams & Reeve, 1850 : 33, pl. 10, fig. 11.
Cyllene pulchella - CERNOHORSKY, 1984 : 272, pl. 49, figs 1-8 (synonymy).

MATERIAL EXAMINED. — **New Caledonia.** MUSORSTOM 4 : stn DW 149, 19°08' S, 163°23' E, 155 m, 14 September 1985 : 1 spm.

DISTRIBUTION. — From the Red Sea to Japan and Vanuatu.

ACKNOWLEDGEMENTS

I am grateful to Dr P. BOUCHET, Muséum national d'Histoire naturelle, Paris, for the opportunity to examine and report upon the family Nassariidae from New Caledonian waters. I also would like to thank Mr P. LOZOUET and Ms V. HEROS from the same institution, for their assistance with photography and editing.

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