

**RECENT CYPRAEIDAE: A PRELIMINARY LIST OF TAXA NOT
RECOGNIZED AS VALID IN THE PROJECT “INTRASPECIFIC VARIATION
IN LIVING COWRIES” Version 1(09.2011)**

Heiman E.L. *)

Abstract: The taxonomic identity of cowry taxa described in the past as species or subspecies is studied in the project “Intraspecific variation in living cowries”. It was mostly a selective test using representative batches of shells. As a result, 380 taxa are treated as not valid for different reasons. These taxa are listed below. Those taxa, which were originally described as varieties (forms) are not mentioned in this list.

Key words: Mollusca, Gastropoda, Cypraeidae, taxonomy, conchological method, intraspecific variation.

CONTENTS

	PP
Introduction	3
The list of taxa	4
References	
Works by the author	17
Usefull literature	22

INTRODUCTION

This author came across problems with diagnosing cowry taxa first when studying cowry populations of East Sinai and later, working on diagnosing world-wide cowries. Conchological works dedicated to studying of the taxonomic identity of different populations of Recent Cypraeidae developed into the project "Intraspecific variation in living cowries" (the Project). Checking the taxonomic identity of numerous cowry populations is one of the aims of the Project.

Conchological definitions and methodology used in the Project were corrected in the process of carrying-out the work.

For the studied populations, it was in fact a selective test using representative batches of shells. If shell characters and/or characteristics of the representative batch of shells conformed to the original description of the relevant taxon and corresponded to the criteria of species and subspecies developed in the Project, this taxon was treated as valid. Otherwise it was rejected i.e. it should be treated as:

-- a subspecies, if it was originally described as a species but conforms only to the criteria of subspecies,

-- a form, if there is no evidence of its higher level,

--an unavailable taxon (if its description does not conform to the rules of the International Code of Zoological Nomenclature - ICZN). The latter leading document contains precise instructions how to name taxa but leaves decisions regarding their taxonomic identity to a researcher.

Besides, there are detailed instructions in the malacological literature for describing species, depositing of the type material, writing and publication of the description and so forth. Ignoring these rules leads to taxonomical confusion.

In the Project, conclusions regarding the taxonomic level of cowry populations are drawn according to the following procedure:

1. Study of the original description of taxa in question and the relevant type material, if available.

Sometimes it was enough to read the original description of a taxon just to see that it does not correspond to the criteria of species or subspecies. For example, if a taxon described as a subspecies is not separated geographically from other populations of the same species. Or a description of species is based on one shell.

2. If the above material was not sufficient, representative batches of shells of each population in question (several dozens and often several hundreds of shells) were studied and practical diagnostic shell characters and/or characteristics were obtained. It should be mentioned that characters of single shells cannot be used for describing subspecies because subspecies can be separated by statistical shell characteristics only.

3. These obtained shell characters and characteristics were compared with the data given in the original descriptions and analyzed using the criteria of species and subspecies accepted in the Project. It is in fact a "go-no-go" selective test.

It should be mentioned that such criteria are mostly not given (or referenced to) in the descriptions of the taxa in question.

The list below contains those taxa, which are rejected in the Project according to the mentioned procedure. They are listed in the alphabetic order of species (the first column). Their generic names are mostly conforming to those accepted in Schilder & Schilder (1971).

This list starts from 1938, the date of publication of the Prodrôme and includes the taxa mentioned there. Later the Schilders changed their opinion regarding the taxonomic level of many cowry populations treated in the Prodrôme and in their other works. The taxa treated by the Schilder as synonyms in their last list published in 1971 indicated below in column five by the sign: "S&S, 71." If a taxon is treated in the latter work as species or subspecies (and not as a synonym) this is indicated in column four in shaded blocks.

Many cowry taxa, mostly from Fiji, were described by Steadman & Cotton in (1943) as new species, subspecies, or forms. These descriptions and the relevant type material are studied in Gowlett-Holmes K.L. & W. Zeidler (1992). It turned out that all of them are in fact forms (synonyms) of already known species. They are referenced in the list as "GH-Z".

There are several groups of Australian cowry populations the true taxonomic level of which is almost impossible to check without the detailed knowledge of the local zoo-geographical conditions and studying large batches of shells from exact localities. They belong to the Genera *Zoila*, *Umbilia*, and *Notocypraea*. The results of a study of long standing of the first two groups are published in Wilson & Clarkson (2004). Below conclusions regarding the taxonomic level of the populations belonging to those two Genera are mostly based on the latter work because they are based on large batches of shells from exact localities. This reference is designated in column three by the sign "W".

The third group (*Notocypraea*) is studied by an Australian researcher Don Cram for a long time. Until this work is finished, it is hardly worthwhile to discuss the taxonomic identity of the populations belonging to this genus.

Works by this author dedicated to the taxonomic identity of a cowry taxon or a group of taxa are referenced to in the third column of the list. These are numbers of works listed in the first part of Section REFERENCES. The works are listed in the chronological order and each work is given a number just to save a place in Table 1.

In the second part of Section REFERENCES other works are listed. They may be useful as additional sources of information on Recent Cypraeidae.

There are taxa in the list the taxonomic level of which is hardly possible currently to confirm or to refute simply due to the absence of the authentic conchological material for study. Descriptions of such taxa are sometimes based on a few shells only and no other information is available. The true taxonomic level of such taxa is not proved in their original descriptions. They are indicated in column four by the signs "**nfs**": needs further study.

If a description of a taxon is based mostly on the soft parts and this taxon cannot be separated conchologically, this fact is designated by the sign "**nsc**."

THE LIST OF TAXA

species/subspecies name	authors & dates	references	notes 1	notes 2
<i>achatidea longinqua</i> , <i>Schilderia</i>	Schilder & Schilder, 1938	44, 53, 64		S&S, 71
<i>achatidea oranica</i> , <i>Schilderia</i>	Crosse, 1896	44, 53, 64		S&S, 71
<i>aenigma</i> , <i>Nesiocypraea</i>	Lorenz, 2002	30	nfs	
<i>albuginosa nariaeformis</i> , <i>Erosaria</i>	Schilder, 1930			S&S, 71
<i>alexhuberti</i> , <i>Nesiocypraea</i>	Lorenz & Hubert, 2000		nfs	
<i>alfredensis</i> , <i>Cypraeovula</i>	Schilder & Schilder, 1929	67	sp	S&S, 71
<i>alfredensis transkeiana</i> , <i>Cypraeovula</i>	Lorenz, 2002	67		
<i>algoensis permarginata</i> , <i>Cypraeovula</i>	Lorenz, 1989	67		
<i>algoensis sanfrancisca</i> , <i>Cypraeovula</i>	Chiapponi, 1999	67		
<i>alisonae</i> , <i>Blasicrura</i>	Burgess, 1983	18, 21, 33	nsc	
<i>amphithales</i> , <i>Cypraeovula</i>	Melville, 1888	67	nfs	
<i>androyensis ipacoyana</i> , <i>Palmadusta</i>	Bozzetti, 2006			
<i>angelicae</i> , <i>Cypraea</i>	Clover, 1974	53		
<i>annulus camelorum</i> , <i>Monetaria</i>	Rochebrune, 1884	53		S&S, 71
<i>annulus noumeensis</i> , <i>Monetaria</i>	Marie, 1869	53		S&S, 71
<i>annulus scutellum</i> , <i>Monetaria</i>	Schilder & Schilder, 1937	53		S&S, 71
<i>arabica asiatica</i> , <i>Mauritia</i>	Schilder & Schilder, 1938	8, 39		S&S, 71
<i>arabica dilacerata</i> , <i>Mauritia</i>	Schilder & Schilder, 1938	8, 39		S&S, 71
<i>arabica gibba</i> , <i>Mauritia</i>	Coen, 1949		ssp	S&S, 71
<i>arabica merguina</i> , <i>Mauritia</i>	Lorenz & Hubert, 1993	53		
<i>arabica niger</i> , <i>Mauritia</i>	Roberts, 1885	39		S&S, 71
<i>arabica westralis</i> , <i>Mauritia</i>	Iredale, 1935			
<i>argus ventricosa</i> , <i>Lyncina</i>	Gray, 1824	5	nfs	S&S, 71
<i>armeniaca hesitata</i> , <i>Umbilia</i>	Iredale, 1916 [= <i>U. hesitata</i>]	W	ssp	S&S, 71
<i>asellus bitaeniata</i> , <i>Palmadusta</i>	Geret, 1903		nfs	S&S, 71
<i>asellus kawakawa</i> , <i>Palmadusta</i>	Steadman & Cotton, 1943	GH-Z		S&S, 71
<i>asellus latefasciata</i> , <i>Palmadusta</i>	Schilder, 1930		nfs	S&S, 71

<i>asellus vespacea</i> , <i>Palmadusta</i>	Melvill, 1905		nfs	S&S, 71
<i>aurantium turanga</i> , <i>Callistocypraea</i>	Steadman & Cotton, 1943	GH-Z		
<i>bealsi</i> , <i>Erronea</i>	Mock, 1996	30	nfs	
<i>batsatensis</i> , <i>Cypraeovula</i>	Lobetti Bodoni, 1985			
<i>beieri</i> , <i>Erosaria</i>	Walles, 1980	30		
<i>bellatrix</i> , <i>Erosaria</i>	Lorenz, 2009		nfs	
<i>bistrinotata mediocris</i> , <i>Pustularia</i>	Schilder & Schilder, 1938	39		S&S, 71
<i>bistrinotata sublaevis</i> , <i>Pustularia</i>	Schilder & Schilder, 1938	39		S&S, 71
<i>bistrinotata mauiensis</i> , <i>Pustularia</i>	Burgess, 1967		ssp	S&S, 71
<i>boivinii ostergaardi</i> , <i>Erosaria</i>	Dall, 1921		ssp	S&S, 71
<i>borzattii</i> , <i>Staphylaea</i>	Bini, 1982			
<i>bouteti</i> , <i>Lyncina</i>	Burgess & Arnette, 1981	30		
<i>bregeriana pervelata</i> , <i>Erronea</i>	Lorenz, 2002			
<i>brevidentata</i> , <i>Bistolida</i>	Sowerby, 1870		ssp	S&S, 71
<i>burgessi</i> , <i>Cypraea</i>	Kay, 1981	18, 30, 33		nsc
<i>capensis archilyra</i> , <i>Cypraeovula</i>	Heesvelde & Deprez, 2006	67		
<i>capensis gonubiensis</i> , <i>Cypraeovula</i>	Massier, 1993	67		
<i>capensis gorda</i> , <i>Cypraeovula</i>	Heesvelde & Deprez, 2006	67		
<i>capensis profundorum</i> , <i>Cypraeovula</i>	Seccombe, 2003	67		
<i>caputdraconis poppei</i> , <i>Erosaria</i>	Martin, 1989	60		
<i>caputserpentis argentata</i> , <i>Erosaria</i>	Dautzenberg-Bouge, 1933	53, 57		S&S, 71
<i>caputserpentis caputanguis</i> , <i>Erosaria</i>	Philippi, 1849	53, 57	ssp	S&S, 71
<i>caputserpentis kenyonae</i> , <i>Erosaria</i>	Schilder & Schilder, 1938	53, 57		
<i>caputserpentis mikado</i> , <i>Erosaria</i>	Schilder & Schilder, 1938	53, 57		S&S, 71
<i>caputserpentis reticulum</i> , <i>Erosaria</i>	Gmelin, 1791	53, 57		S&S, 71
<i>carneola leviathan</i> , <i>Lyncina</i>	Schilder & Schilder, 1937	53, 54	ssp	S&S, 71
<i>carneola titan</i> , <i>Lyncina</i>	Schilder & Schilder, 1962	3, 53		
<i>cassiaui</i> , <i>Nuclearia</i>	Burgess, 1965	30		
<i>castanea malani</i> , <i>Cypraeovula</i>	Lorenz & De Bruin, 2009			
<i>catei</i> , <i>Bernaya</i>	Schilder, 1963	30	valid	S&S, 71

<i>caurica corrosa</i> , <i>Erronea</i>	Gronow, 1781	7, 39		S&S, 71
<i>caurica obscura</i> , <i>Erronea</i>	Rossiter, 1882	29, 39		
<i>caurica samoensis</i> , <i>Erronea</i>	Lorenz, 2002	7		
<i>cernica ogasawarensis</i> , <i>Erosaria</i>	Schilder, 1944		ssp	S&S, 71
<i>cernica tomlini</i> , <i>Erosaria</i>	Schilder, 1930			
<i>cernica viridicolor</i> , <i>Erosaria</i>	Cate, 1962			
<i>cervus peilei</i> , <i>Macrocypraea</i>	Schilder, 1932			
<i>cernica leforti</i> , <i>Erosaria</i>	Senders & Martin, 1987		nfs	
<i>chiapponii</i> , <i>Pustularia</i>	Lorenz, 1999	71		
<i>childreni lemurica</i> , <i>Ipsa</i>	Schilder & Schilder, 1938			S&S, 71
<i>chinensis somaliana</i> , <i>Cribraria</i>	Lorenz, 1989			
<i>chinensis sydneyensis</i> , <i>Cribraria</i>	Schilder & Schilder, 1938	53, 58		S&S, 71
<i>chinensis tortirostris</i> , <i>Cribraria</i>	Sowerby, 1906	53, 58	ssp	S&S, 71
<i>chinensis variolaria</i> , <i>Cribraria</i>	Lamarck, 1810	53, 58		S&S, 71
<i>chinensis violacea</i> , <i>Cribraria</i>	Rous, 1905	53, 58		S&S, 71
<i>cicercula jennisoni</i> , <i>Pustularia</i>	Steadman & Cotton, 1943	GH-Z		
<i>cicercula lienardi</i> , <i>Pustularia</i>	Jousseume, 1874	39		S&S, 71
<i>cicercula margarita</i> , <i>Pustularia</i>	Dillwyn, 1817	78		
<i>cicercula takahashii</i> , <i>Pustularia</i>	Moretzsohn, 2007			
<i>cinerea brasilensis</i> , <i>Luria</i>	Lorenz, 2002	53		
<i>citrina dauphinensis</i> , <i>Erosaria</i>	Lorenz, 2002			
<i>clandestina moniliaris</i> , <i>Palmadusta</i>	Lamarck, 1810	50, 53		S&S, 71
<i>clandestina passerina</i> , <i>Palmadusta</i>	Melville, 1888	50, 53		S&S, 71
<i>colligata</i> , <i>Cypraeovula</i>	Lorenz, 2002		nfs	
<i>coloba greegori</i> , <i>Cribraria</i>	Ford, 1893	53		S&S, 71
<i>connelli peelae</i> , <i>Cypraeovula</i>	Lorenz, 2002		nfs	
<i>consanguinea</i> , <i>Palmadusta</i>	Blocher & Lorenz, 2000	30	nfs	
<i>contaminata distans</i> , <i>Palmadusta</i>	Schilder & Schilder, 1938	nfs		S&S, 71
<i>coronata debuini</i> , <i>Cypraeovula</i>	Lorenz, 2002	67		
<i>coronata gabrielli</i> , <i>Cypraeovula</i>	Lorenz, 1993	67		

<i>coronata gloriosa, Cypraeovula</i>	Shikama, 1971	67		
<i>cribellum, Cribrarula</i>	Gaskoin, 1849	30	ssp	S&S, 71
<i>cribraria abaliena, Cribrarula</i>	Lorenz, 1989	53		
<i>cribraria australiensis, Cribrarula</i>	Lorenz, 2002	53		
<i>cribraria exmouthensis, Cribrarula</i>	Melville, 1888	102		
<i>cribraria fallax, Cribrarula</i>	Smith, 1881	101		S&S, 71
<i>cribraria ganteri, Cribrarula</i>	Lorenz, 1997		nfs	
<i>cribraria gaspardi, Cribrarula</i>	Biraghi & Nicolay, 1993	98		
<i>cribraria melwardi, Cribrarula</i>	Iredale, 1930	53		S&S, 71
<i>cribraria northi, Cribraria</i>	Steadman & Cotton, 1943	53		
<i>cribraria occidentalis, Cribrarula</i>	Raybaudi, 1987	100		
<i>cuatoni, Erosaria</i>	Kosuge, 1983	30		
<i>cumingii cleopatra, Cribrarula</i>	Schilder & Schilder, 1938			S&S, 71
<i>cylindrica sowerbyana, Erronea</i>	Schilder, 1932		ssp	S&S, 71
<i>cylindrica wangga, Palangerosa</i>	Steadman & Cotton, 1943	GH-Z		S&S, 71
<i>dani, Blasicrura</i>	Beals, 2002	85		
<i>decepiens suprasinum, Zoila</i>	Lorenz, 2002	W		
<i>depressa dispersa, Mauritia</i>	Schilder & Schilder, 1938	39	ssp	S&S, 71
<i>deforgesi, Nesiocypraea</i>	Lorenz, 2002		nfs	
<i>diluculum virginalis, Palmadusta</i>	Schilder & Schilder, 1938		ssp	S&S, 71
<i>donmoorei, Siphocypraea</i>	Petuch, 1979	30		
<i>edentula, Cypraea</i>	Gray, 1825	67	sp	S&S, 71
<i>edentula alfredensis, Luponina</i>	Schilder & Schilder, 1929	67		
<i>edentula astonensis, Cypraeuvula</i>	Lorenz & Hubert, 1993	67		
<i>edentula nahoonensis, Cypraeuvula</i>	Lorenz, 1989	67		
<i>eglantina momokiti, Arabica</i>	Stedman & Cotton, 1943	GH-Z		S&S, 71
<i>eludens, Zoila</i>	Raybaudi, 1991	W		
<i>erosa chlorizans, Erosaria</i>	Melville, 1888	36, 39		S&S, 71
<i>erosa purissima, Erosaria</i>	Vredenburg, 1919	36, 39		S&S, 71
<i>erosa similis, Erosaria</i>	Gmelin, 1791	36, 39		S&S, 71

<i>errones asurea</i> , <i>Erronea</i>	Schilder, 1968	53	ssp	S&S, 71
<i>errones bimaculata</i> , <i>Erronea</i>	Gray, 1824	53		S&S, 71
<i>errones coerulescens</i> , <i>Erronea</i>	Schröter, 1804	53		S&S, 71
<i>errones coxi</i> , <i>Erronea</i>	Brazier, 1872	53		S&S, 71
<i>errones bartletti</i> , <i>Erronea</i>	Stedman & Cotton, 1943	GH-Z		
<i>esontropia</i> , <i>Cypraea</i> [=subspecies]	Duclos, 1833	61, 65	sp	S&S, 71
<i>esontropia francescoi</i> , <i>Cribrarula</i>	Lorenz, 2002	61		
<i>exmouthensis</i> , <i>Cribrarula</i>	Melville, 1888	105, 107		
<i>exmouthensis abrolhensis</i> , <i>Cribrarula</i>	Lorenz, 2002	105, 107		
<i>exmouthensis magnifica</i> , <i>Cribrarula</i>	Lorenz, 2002	105, 107		
<i>exmouthensis rotnestensis</i> , <i>Cribrarula</i>	Lorenz, 2002	105, 107		
<i>felina fabula</i> , <i>Erronea</i>	Kiener, 1843	39	ssp	S&S, 71
<i>fimbriata marmorata</i> , <i>Palmadusta</i>	Schröter, 1804	48, 53		S&S, 71
<i>fimbriata marquesana</i> , <i>Purpuradusta</i>	Lorenz, 2002	48		
<i>fischeri</i> , <i>Cribrarula</i>	Vayssiere, 1910	94, 95	ssp	S&S, 71
<i>fischeri astaryi</i> , <i>Cribrarula</i>	Schilder, 1971	97		
<i>fluctuans nandronga</i> , <i>Bistolida</i>	Steadman & Cotton, 1943	GH-Z		S&S, 71
<i>friendii contraria</i> , <i>Zoila</i>	Iredale, 1935			
<i>friendii marina</i> , <i>Zoila</i>	Kostin, 2005			
<i>fultoni amorimi</i> , <i>Zoila</i>	Raybaudi, 1989			
<i>fultoni massieri</i> , <i>Barycypraea</i>	Lorenz, 1991			
<i>fuscorubra cohenae</i> , <i>Cypraeovula</i>	Burgess, 1965	67	ssp	S&S, 71
<i>fuscorubra gondwanalandensis</i> , <i>C.</i>	Lorenz, 2002	67		
<i>fuscodentata grohorum</i> , <i>Cypraeovula</i>	Lorenz, 2002	67		
<i>fuscodentata sphaerica</i> , <i>Cypraeovula</i>	Lorenz, 2002	67		
<i>cribraria gaspardi</i> , <i>Cribrarula</i>	Biraghi & Nicolay, 1993	98		
<i>gambiensis</i> , <i>Zonaria</i>	Shaw, 1909		sp	S&S, 71
<i>gangranosa reentsii</i> , <i>Erosaria</i>	Dunker, 1852			S&S, 71
<i>gaskoini fischeri</i> , <i>Cribrarula</i>	Vayssiere, 1910		ssp	S&S, 71
<i>gilvella</i> , <i>Luria</i>	Lorenz, 2002			

<i>globulus sphaeridium, Pustularia</i>	Schilder & Schilder, 1938	39		S&S, 71
<i>gloriosa, Cypraeovula</i>	Schikama, 1971			
<i>gondwanalandensis, Cypraea</i>	Burgess, 1970	67		
<i>goodallii fuscomaculata, Blasicrura</i>	Pease, 1865			S&S, 71
<i>gravida, Cribrarula</i>	Moretzsohn, 2002			
<i>grayana, Mauritia</i>	Schilder, 1930		ssp	S&S, 71
<i>euclia, Guttacypraea</i>	Steadman & Cotton, 1943	GH-Z		
<i>haddnighiae, Cribrarula</i>	Trenberth, 1973	30, 103		
<i>hammondae, Palmadusta</i>	Iredale, 1939		sp	S&S, 71
<i>hartsmithi, Notadusta</i>	Schilder, 1967		sp	S&S, 71
<i>helenae nasese, Erosaria</i>	Steadman & Cotton, 1943	GH-Z		S&S, 71
<i>helvola callista, Erosaria</i>	Shaw, 1909	53, 56		S&S, 71
<i>helvola citrinicolor, Erosaria</i>	Iredale, 1935	53, 56		S&S, 71
<i>helvola hawaiiensis, Erosaria</i>	Melvill, 1888	53, 56		S&S, 71
<i>helvola mascarena, Erosaria</i>	Melvill, 1888	53, 56		S&S, 71
<i>helvola meridionalis, Erosaria</i>	Schilder & Schilder, 1938	53, 56		S&S, 71
<i>hesitata howelli, Umbilia</i>	Iredale, 1931	W		S&S, 71
<i>hirasei queenslandica, Nesiocypraea</i>	Schilder, 1966		ssp	S&S, 71
<i>hirundo francisca, Bistolida</i>	Schilder & Schilder, 1938	53		
<i>hirundo korolevu, Bistolida</i>	Steadman & Cotton, 1943	GH-Z		S&S, 71
<i>hirundo neglecta, Bistolida</i>	Sowerby, 1837	53		S&S, 71
<i>hirundo rouxi, Bistolida</i>	Ancey, 1882	53		S&S, 71
<i>histrion westralis, Mauritia</i>	Iredale, 1935		nfs	S&S, 71
<i>icterina, Monetaria</i>	Lamarck, 1810	53		S&S, 71
<i>incurvata, Erosaria</i>	Walles, 1980	30		
<i>isabella atriceps, Luria</i>	Schilder & Schilder, 1938	53		S&S, 71
<i>isabella cavia, Basilitronea</i>	Steadman & Cotton, 1943	GH-Z		S&S, 71
<i>isabella lekalekana, Luria</i>	Ladd, 1934	53	fossil	S&S, 71
<i>isabella lemuriana, Basilitronea</i>	Steadman & Cotton, 1943	GH-Z		S&S, 71
<i>isabella rumphii, Luria</i>	Schilder & Schilder, 1938	53		S&S, 71

<i>iutsui atlantica</i> , <i>Cypraeovula</i>	Raybaudi, 1988			
<i>jandeprezi</i> , <i>Pustularia</i>	Poppe & Martin, 1997			
<i>jeaniana aurata</i> , <i>Zoila</i>	Raybaudi, 1979	W		
<i>jeaniana sherylae</i> , <i>Zoila</i>	Raybaudi, 1990	W		
<i>jeaniana thalamega</i> , <i>Zoila</i>	Lorenz, 2002	W		
<i>johnsonorum</i> , <i>Palmadusta</i>	Lorenz, 2002			
<i>joycae</i> , <i>Lyncina</i>	Clover, 1970			
<i>katsuae guidoi</i> , <i>Notadusta</i>	Lorenz, 2002			
<i>katsuae rabaulensis</i> , <i>Notadusta</i>	Schilder, 1964		ssp	S&S, 71
<i>kesslerorum</i> , <i>Cypraeovula</i>	Lorenz, 2006			
<i>ketyana</i> , <i>Zoila</i>	Raybaudi, 1978			
<i>ketyana bataviensis</i> , <i>Zoila</i>	Lorenz & Morrison, 2001	W		
<i>kieneri depriesteri</i> , <i>Bistolida</i>	Schilder, 1933	53	ssp	S&S, 71
<i>kieneri landeri</i> , <i>Bistolida</i>	Schilder & Griiths, 1962	53		S&S, 71
<i>kieneri reductesignata</i> , <i>Bistolida</i>	Schilder, 1924	53		S&S, 71
<i>kieneri schneideri</i> , <i>Bistolida</i>	Schilder & Schilder, 1938	53		S&S, 71
<i>kingae</i> , <i>Erosaria</i>	Rehder & Wilson, 1975	30		
<i>labrolineata helenae</i> , <i>Erosaria</i>	Roberts, 1868			S&S, 71
<i>labrolineata nashi</i> , <i>Erosaria</i>	Iredale, 1931			S&S, 71
<i>langfordi cavatoensis</i> , <i>Nesiocypraea</i>	Lorenz, 2002		nfs	
<i>langfordi moretonensis</i> , <i>Nesiocypraea</i>	Schilder, 1965		ssp	S&S, 71
<i>laticus</i> , <i>Blasicrura</i>	Melville, 1888	18, 30, 33		S&S, 71
<i>lefaiti</i> , <i>Cribrarula</i>	Martin & Poppe, 1989	30		
<i>lentiginosa buhariensis</i> , <i>Palmadusta</i>	Johnklaas & Nicolay, 1977	26		
<i>lentiginosa dancalica</i> , <i>Palmadusta</i>	Johnklaas & Nicolay, 1977	26		
<i>leucodon angioyana</i> , <i>Lyncina</i>	Raybaudi, 1978			
<i>leucodon tenuidon</i> , <i>Lyncina</i>	Lorenz, 1999			
<i>leviathan</i> , <i>Cypraea</i>	Schilder & Schilder, 1937	54	ssp	S&S, 71
<i>limacina clarissa</i> , <i>Staphylaea</i>	Lorenz, 1989			
<i>limacina facifer</i> , <i>Staphylaea</i>	Iredale, 1935	39, 47		S&S, 71

<i>limacina interstincta</i> , <i>Staphylaea</i>	Wood, 1828	39 47		S&S, 71
<i>limacina nana</i> , <i>Staphylaea</i>	Lorenz, 1988	47		
<i>limacina numgwiensis</i> , <i>Staphylaea</i>	Lorenz, 1988	47		
<i>limacina staphylaeaformis</i> , <i>Staphylaea</i>	Lorenz, 1988	47		
<i>listeri melvilli</i> , <i>Erronea</i>	Hidalgo, 1906			S&S, 71
<i>listeri pauciguttata</i> , <i>Erronea</i>	Schilder & Schilder, 1938			S&S, 71
<i>lobettiana</i> , <i>Zoila</i>	Raybaudi, 1995	30		
<i>lutea bizonata</i> , <i>Palmadusta</i>	Iredale, 1935			S&S, 71
<i>lutea humphreysii</i> , <i>Palmadusta</i>	Gray, 1825		ssp	S&S, 71
<i>lutea johnsonorum</i> , <i>Palmadusta</i>	Lorenz, 2002			
<i>lutea yaloka</i> , <i>Palmadusta</i>	Steadman & Cotton, 1943	GH-Z		S&S, 71
<i>lynx caledonica</i> , <i>Cypraea</i>	Crosse, 1869	39		S&S, 71
<i>lynx pacifica</i> , <i>Lyncina</i>	Steadman & Cotton, 1943	GH-Z		S&S, 71
<i>lynx vanelli</i> , <i>Cypraea</i>	Linnaeus, 1758	10, 39		S&S, 71
<i>maculifera martybealsi</i> , <i>Mauritia</i>	Lorenz, 2002		nfs	
<i>maculifera scindata</i> , <i>Mauritia</i>	Lorenz, 2002		nfs	
<i>mappa admirabilis</i> , <i>Leporicypraea</i>	Lorenz, 2002	19		
<i>mappa alga</i> , <i>Mauritia</i>	Perry, 1811	19	ssp	S&S, 71
<i>mappa aliwalensis</i> , <i>Leporicypraea</i>	Lorenz, 2002	19		
<i>mappa geographica</i> , <i>Mauritia</i>	Schilder & Schilder, 1933	19	ssp	S&S, 71
<i>mappa rewa</i> , <i>Mauritia</i>	Steadman & Cotton, 1943	GH-Z		S&S, 71
<i>mappa viridis</i> , <i>Mauritia</i>	Kenyon, 1902	19		S&S, 71
<i>margarita africana</i> , <i>Pustularia</i>	Lorenz & Hubert, 2003	79		
<i>margarita margarita</i> , <i>Pustularia</i>	Dillwyn, 1817	68, 78, 80	sp	S&S, 7
<i>margarita theeva</i> , <i>Pustularia</i>	Steadman & Cotton, 1943	GH-Z		
<i>margarita tricornis</i> , <i>Pustularia</i>	Jousseume, 1874	78, 79, 80	sp	S&S, 7
<i>margarita tuamotensis</i> , <i>Pustularia</i>	Lorenz & Hubert, 2003			
<i>marginalis melocellata</i> , <i>Erosaria</i>	Lorenz & Wiese, 1990.			
<i>marginalis pseudocellata</i> , <i>Erosaria</i>	Schilder & Schilder, 1938	39		S&S, 71
<i>marginata albanyensis</i> , <i>Zoila</i>	Raybaudi, 1985	W		

<i>marginata consueta</i> , <i>Zoila</i>	Biraghi, 1993	W		
<i>marginata intermedians</i> , <i>Zoila</i>	Lobetti-Bodoni, 1986	W		
<i>marginata meridionalis</i> , <i>Zoila</i>	Raybaudi, 1979	W		
<i>marginata raybaudi</i> , <i>Zoila</i>	Lorenz, 1992	W		
<i>mariae suluensis</i> , <i>Annepona</i>	Lorenz & Hubert, 1993			
<i>martini superstes</i> , <i>Notadusta</i>	Schilder, 1930		ssp	S&S, 71
<i>mauiensis wattsi</i> , <i>Pustularia</i>	Lorenz, 2002	69		
<i>mauritiana calxequina</i> , <i>Mauritia</i>	Melvill & Standen, 1899	53		S&S, 71
<i>mauritiana regina</i> , <i>Mauritia</i>	Gmelin, 1791	53		S&S, 71
<i>melvilli vatu</i> , <i>Melicirona</i>	Steadman & Cotton, 1943	GH-Z		
<i>microdon granum</i> , <i>Palmadusta</i>	Schilder & Schilder, 1938			S&S, 71
<i>miyokoeae</i> , <i>Cypraea</i>	Habe & Kosuge, 1970	30		
<i>mikeharti</i> , <i>Cypraeovula</i>	Lorenz, 1989	67		
<i>miliaris difference</i> , <i>Erosaria</i>	Schilder, 1927	49, 53		S&S, 71
<i>miliaris diversa</i> , <i>Erosaria</i>	Kenyon, 1902	49, 53		S&S, 71
<i>minoridens suvaensis</i> , <i>Paulonaria</i>	Steadman & Cotton, 1943	GH-Z		S&S, 71
<i>moneta endua</i> , <i>Monetaria</i>	Steadman & Cotton, 1943	GH-Z		S&S, 71
<i>moneta erua</i> , <i>Monetaria</i>	Steadman & Cotton, 1943	GH-Z		S&S, 71
<i>moneta etolu</i> , <i>Monetaria</i>	Steadman & Cotton, 1943	GH-Z		S&S, 71
<i>moneta icterina</i> , <i>Monetaria</i>	Lamarck, 1810	53		S&S, 71
<i>moneta rhomboides</i> , <i>Monetaria</i>	Schilder & Schilder, 1933	53		S&S, 71
<i>mus donmoorei</i> , <i>Siphocypraea</i>	Petuch, 1979	30		
<i>mus tristensis</i> , <i>Siphocypraea</i>	Petuch, 1987			
<i>nebrates ceylonica</i> , <i>Erosaria</i>	Schilder & Schilder, 1938	39		S&S, 71
<i>nebrates labrospinosa</i> , <i>Erosaria</i>	Lorenz, 1992	24		
<i>nebrates mozambicana</i> , <i>Erosaria</i>	Schilder & Schilder, 1938	39		S&S, 71
<i>nimisserans vivili</i> , <i>Erronea</i>	Steadman & Cotton, 1943	GH-Z		
<i>nimisserans kalavo</i> , <i>Erronea</i>	Steadman & Cotton, 1943	GH-Z		
<i>nukulau</i> , <i>Staphylea</i>	Steadman & Cotton, 1943	GH-Z		
<i>nymphae</i> , <i>Erronea</i>	Jay, 1850		nfs	

<i>nucleus gemmosa</i> , <i>Nuclearia</i>	Perry, 1811			S&S, 71
<i>nucleus madagsacariensis</i> , <i>Nuclearia</i>	Gmelin, 1791			S&S, 71
<i>nucleus sturanyi</i> , <i>Nuclearia</i>	Schilder & Schilder, 1938			S&S, 71
<i>okutanii</i> , <i>Erosaria</i>	Walles, 1980	30		
<i>onyx nymphae</i> , <i>Erronea</i>	Jay, 1850	53	ssp	S&S, 71
<i>onyx persica</i> , <i>Erronea</i>	Schilder & Schilder, 1938	53		S&S, 71
<i>onyx succincta</i> , <i>Erronea</i>	Linnaeus, 1758	53		S&S, 71
<i>orientalis</i> , <i>Zoila</i>	Lorenz, 2001			
<i>oriettae</i> , <i>Umbilia</i>	Lorenz & Massiglia, 2005			
<i>oryzaeformis</i> , <i>Palmadusta</i>	Lorenz & Sterba, 1999	30	nfs	
<i>ovum palauensis</i> , <i>Erronea</i>	Schilder & Schilder, 1938	51, 53		S&S, 71
<i>owenii piae</i> , <i>Bistolida</i>	Lorenz & Chiapponi, 2005			
<i>owenii vasta</i> , <i>Bistolida</i>	Schilder & Schilder, 193	53	ssp	S&S, 71
<i>pallida insulicola</i> , <i>Erronea</i>	Schilder & Schilder, 1938			S&S, 71
<i>pallida stohleri</i> , <i>Erronea</i>	Cate & Schilder, 1968		ssp	S&S, 71
<i>pallidula pallidula</i> , <i>Blasicrura</i>	Gaskoin, 1848	106, 108		S&S, 71
<i>pallidula rhinoceros</i> , <i>Blasicrura</i>	Souverbie, 1865	106, 108		S&S, 71
<i>pellucens panamensis</i> , <i>Blasicrura</i>	Lorenz, 2002			
<i>pantherina catulus</i> , <i>Cypraea</i>	Schilder, 1924	39	ssp	S&S, 71
<i>perlae eludens</i> , <i>Zoila</i>	Raybaudi, 1993	W		
<i>petilirostris</i> , <i>Umbilia</i>	Darragh, 2002	30, W		
<i>poraria scarabaeus</i> , <i>Erosaria</i>	Bory, 1827	39		S&S, 71
<i>porteri nigromaculata</i> , <i>Lyncina</i>	Lorenz, 2002			
<i>pulchella aliguayensis</i> , <i>Erronea</i>	Heesvelde & Deprez, 2001		nfs	
<i>pulchella novaebritanniae</i> , <i>Erronea</i>	Schilder & Schilder, 1937		ssp	S&S, 71
<i>pulchella pericalles</i> , <i>Erronea</i>	Melvill-Standen, 1904		ssp	S&S, 71
<i>pulchella vayssierei</i> , <i>Erronea</i>	Schilder & Schilder, 1938		ssp	S&S, 71
<i>punctata atomaria</i> , <i>Notadusta</i>	Gmelin, 1791			S&S, 71
<i>punctata berinii</i> , <i>Notadusta</i>	Dautzenberg, 1906	34		S&S, 71
<i>punctata iredalei</i> , <i>Notadusta</i>	Schilder & Schilder, 1938			S&S, 71

<i>purperosa ruvaya</i> , <i>Staphylea</i>	Steadman & Cotton, 1943	GH-Z		S&S, 71
<i>pyrum insularum</i> , <i>Zonaria</i>	Schilder, 1928	53		S&S, 71
<i>pyrum maculosa</i> , <i>Zonaria</i>	Gmelin, 1791	53		S&S, 71
<i>pyrum senegalensis</i> , <i>Zonaria</i>	Schilder, 1928	53	ssp	S&S, 71
<i>quadrifaculata garretti</i> , <i>Blasicrura</i>	Schilder & Schilder, 1938	39		S&S, 71
<i>quadrifaculata thielei</i> , <i>Blasicrura</i>	Schilder & Schilder, 1938	39		S&S, 71
<i>rashleighana rashleighana</i> , <i>Cribraria</i>	Melvill, 1888	33	sp	S&S, 71
<i>rashleighana eunota</i> , <i>Cribraria</i>	Taylor, 1916	33		S&S, 71
<i>rashleighana latior</i> , <i>Cribraria</i>	Melvill, 1888	33	ssp	S&S, 71
<i>rashleighana pseudoteres</i> , <i>Blasicrura</i>	Lorenz & Barbier, 1992	32		
<i>rhinoceros vivia</i> , <i>Blasicrura</i>	Steadman & Cotton, 1943	GH-Z		S&S, 71
<i>rosselli edingeri</i> , <i>Zoila</i>	Raybaudi, 1990	W		
<i>rosselli latistoma</i> , <i>Zoila</i>	Lorenz, 2002	W		
<i>rosselli lobettiana</i> , <i>Zoila</i>	Raybaudi, 1995	W		
<i>rosselli satiata</i> , <i>Zoila</i>	Lorenz, 2002	W		
<i>saulae nugata</i> , <i>Palmadusta</i>	Iredale, 1935			S&S, 71
<i>schilderorum kuroharai</i> , <i>Lyncina</i>	Kuroda & Habe, 1961		ssp	S&S, 71
<i>scurra mundula</i> , <i>Mauritia</i>	Lorenz, 2002			
<i>scurra vono</i> , <i>Arabica</i>	Steadman & Cotton, 1943	GH-Z		S&S, 71
<i>sharonii</i> , <i>Erosaria</i>	Walles, 1980.	30		
<i>spurca atlantica</i> , <i>Erosaria</i>	Monterosato, 1897	39		S&S, 71
<i>spurca cascabulorum</i> , <i>Erosaria</i>	Talavera at al, 1986	40		
<i>staphylaea consobrina</i> , <i>Staphylaea</i>	Garrett, 1879	39		S&S, 71
<i>staphylaea descripta</i> , <i>Staphylaea</i>	Iredale, 1935	39		S&S, 71
<i>stercoraria minima</i> , <i>Trona</i>	Bernard, 1984	75		
<i>stolida brevidentata</i> , <i>Bistolida</i>	Sowerby, 1870	39	ssp	S&S, 71
<i>stolida brianoi</i> , <i>Bistolida</i>	Lorenz, 2002	38		
<i>stolida crossei</i> , <i>Bistolida</i>	Marie, 1869	38, 39	nfs	S&S, 71
<i>stolida kwajaleinensis</i> , <i>Bistolida</i>	Martin & Senders, 1983		nfs	
<i>stolida rufodentata</i> , <i>Bistolida</i>	Biraghi, 1976		nfs	

<i>stolida thakau</i> , <i>Bistolida</i>	Steadman & Cotton, 1943	GH-Z		S&S, 71
<i>sublitorea</i> , <i>Monetaria</i>	Lorenz, 1997			
<i>subteres</i> , <i>Cribraria</i>	Weinkauff, 1861	33, 39, 59	ssp	S&S, 71
<i>subteres vava</i> , <i>Talostolida</i>	Steadman & Cotton, 1943			S&S, 71
<i>subteres violacinata</i> , <i>Blasicrura</i>	Lorenz, 2002			
<i>subviridis anceyi</i> , <i>Erronea</i>	Vayssiere, 1905			S&S, 71
<i>subviridis dorsalis</i> , <i>Erronea</i>	Schilder & Schilder, 1938		ssp	S&S, 71
<i>subviridis kesata</i> , <i>Solvadusta</i>	Steadman & Cotton, 1943	GH-Z		S&S, 71
<i>subviridis piscatorum</i> , <i>Erronea</i>	Schilder, 1965		ssp	S&S, 71
<i>subviridis vaticina</i> , <i>Erronea</i>	Iredale, 1931			S&S, 71
<i>succincta</i> , <i>Erronea</i>	Linnaeus, 1758	53, 55		S&S, 71
<i>taitae</i> , <i>Cribrarula</i>	Burgess, 1993	99		
<i>talpa imperialis</i> , <i>Talparia</i>	Schilder & Schilder, 1938	39		S&S, 71
<i>talpa saturata</i> , <i>Talparia</i>	Dautzenberg, 1903	39		S&S, 71
<i>teramachii neocaledonica</i> , <i>Nesiocypraea</i>	Lorenz, 2002			
<i>teramachii polyphemus</i> , <i>Nesiocypraea</i>	Lorenz, 2002			
<i>teres alveolus</i> , <i>Cribraria</i>	Tapparone, 1882	18, 21,39		S&S, 71
<i>teres pellucens</i> , <i>Cribraria</i>	Melvill, 1888	18, 21,39		S&S, 71
<i>teres subfasciata</i> , <i>Cribraria</i>	Link, 1807	18, 21, 39		S&S, 71
<i>testudinaria ingens</i> , <i>Callistocypraea</i>	Schilder & Schilder, 1938		ssp	S&S, 71
<i>testudinaria testudinosa</i> , <i>Callistocypraea</i>	Perry, 1811			S&S, 71
<i>thersites thersites</i> , <i>Zoila</i>	Gaskoin, 1849	W	sp	S&S, 71
<i>thersites contraria</i> , <i>Zoila</i>	Iredale, 1935	W	ssp	S&S, 71
<i>tigris amboolee</i> , <i>Cypraea</i>	Steadman & Cotton, 1943	GH-Z		S&S, 71
<i>tigris lyncichroa</i> , <i>Cypraea</i>	Melvill, 1888	39		S&S, 71
<i>tigris pardalis</i> , <i>Cypraea</i>	Shaw, 1795	39		S&S, 71
<i>tigris volai</i> , <i>Cypraea</i>	Steadman & Cotton, 1943	GH-Z		S&S, 71
<i>tricornis vulavula</i> , <i>Pustularia</i>	Steadman & Cotton, 1943	GH-Z		S&S, 71
<i>turdus zanzibarica</i> , <i>Erosaria</i>	Sullioti, 1911	9, 39	ssp	S&S, 71
<i>turdus winckworthi</i> , <i>Erosaria</i>	Schilder & Schilder, 1938	9, 39		

<i>ursellus amoeba, Bistolida</i>	Schilder & Schilder, 1938	53		S&S, 71
<i>ursellus vitiensis, Bistolida</i>	Steadman & Coton, 1943	GH-Z		
<i>ventriculus topee, Ponda</i>	Steadman & Coton, 1943	GH-Z		S&S, 71
<i>venusta episema, Zoila</i>	Iredale, 1939	W	ssp	S&S, 71
<i>venusta orientalis, Zoila</i>	Raybaudi, 1990	W		
<i>venusta roseopunctata, Zoila</i>	Lorenz, 2001	W		
<i>venusta sorrentensis, Zoila</i>	Schilder, 1963	W		S&S, 71
<i>verhoefti, Cypraeovula</i>	Burgess, 1982	30		
<i>vicdani, Notadusta</i>	Lan, 1985			
<i>vitellus dama, Cypraea</i>	Perry, 1811	39		S&S, 71
<i>vitellus orcina, Cypraea</i>	Iredale, 1931	39		S&S, 71
<i>vitellus polynesiae, Cypraea</i>	Schilder & Schilder, 1938	39		S&S, 71
<i>vitellus sarcodes, Cypraea</i>	Melvill, 1888	39		S&S, 71
<i>walkeri bregeriana, Erronea</i>	Crosse, 1868	46	ssp	S&S, 71
<i>walkeri continens, Erronea</i>	Iredale, 1935	46, 53		S&S, 71
<i>walkeri surabajensis, Erronea</i>	Schilder, 1937	46, 53		S&S, 71
<i>xanthodon fernandoi, Erronea</i>	Cate, 1969		ssp	S&S, 71
<i>waikikiensis, Palmadusta</i>	Schilder, 1933			S&S, 71
<i>weaveri, Erronea</i>	Walles, 1980.	30		
<i>zebra dissimilis, Macrocypraea</i>	Schilder, 1924			S&S, 71
<i>ziczac misella, Palmadusta</i>	Perry, 1811	39		S&S, 71
<i>ziczac undata, Palmadusta</i>	Lamarck, 1810	39		S&S, 71
<i>ziczac vittata, Palmadusta</i>	Deshayes, 1831	39		S&S, 71

REFERENCES

1. WORKS BY THE AUTHOR

The works listed below are mentioned in this book in a short form. For example, the third work of the list may be mentioned as “3” instead of "Heiman E.L. 2000b.Variability of cowry populations. 1. Two populations from the *carneola* complex in the Gulf of Aqaba. Triton 1:16-20".

# #	Works, dates of publication, and places of publication
1	1998. Statistical study of cowries from Sinai area of the Red Sea. <i>La Conchiglia</i> 287:11-14.
2	2000a. Reflections upon a scientific method. Triton 1:12-15.
3	2000b.Variability of cowry populations. 1. Two populations from the <i>carneola</i> complex in the Gulf of Aqaba. Triton 1:16-20
4	2000c. Variability of cowry populations. 2. <i>Erosaria erosa</i> (Linnaeus, 1758) from New South Wales, Australia. Triton 1:21-25.
5	2000d. Variability of cowry populations. 3. <i>Lyncina argus</i> (Linnaeus, 1758). Triton 1:26-28.
6	2000e. Variability of cowry populations 4. Use of varietal names. Triton 2:9-11.
7	2000f. Variability of cowry populations 5. About <i>Erronea caurica</i> (Linnaeus, 1758) from American Samoa and “caurica corrosa”. Triton 2:13-15.
8	2000g. Variability of cowry populations 7. Flat and convex forms in the <i>arabica</i> complex. Triton 2:25-27.
9	2000h. Variability of cowry populations 8. A rostrated form of <i>Erosaria turdus pardalina</i> (Dunker, 1852). Triton 2:31-33.
10	2001a. Variability of cowry populations 9. <i>Lyncina lynx</i> (L. 1758) from the East coast of Sinai. Triton 3:5-8.
11	2001b. Variability of cowry populations 10. Cowries with dark margins (“nigrocincta”). Triton 3:17-19.
12	2001c. Variability of cowry populations 11. <i>Bistolida erythraeensis</i> (Sowerby, 1837) in the Sinai area of the Gulf of Aqaba and its comparison with <i>B. stolidus</i> (L., 1758). Triton 3:20-22.
13	2001d. Variability of cowry populations 12. <i>Purpuradusta gracilis</i> (Gaskoin, 1848) from Sinai coast. Triton 3:23-24.
14	2001e. Variability of cowry populations 13. On the identity of <i>Purpuradusta microdon</i> (Gray, 1828) in the Sinai area of the Gulf of Aqaba. Triton 3:25-26.
15	2001f. Variability of cowry populations 14. A long toothed form of <i>Erosaria erosa</i> (L., 1758). Triton 3:27.
16	2001g. Variability of cowry populations 15. About <i>Erosaria nucleus sturanyi</i> in the Gulf of Aqaba. Triton 3:28-29.
17	2001h. Abnormalities in cowries 1. Rostrated shells of <i>Erosaria nebrates</i> (Melvill, 1888). Triton 3:31-32.
18	2001i. Variability of cowry populations 16. About the <i>teres</i> complex. Triton 4:12-15.
19	2001j. Variability of cowry populations 17. <i>Leporicypraea mappa</i> : teeth color as a shell characteristic. Triton 4:17-18.
20	2002a. Variability of cowry populations 18. Forms of <i>Cypraea tigris</i> . Triton 6:19-23.
21	2002b. Variability of cowry populations 19. An attempt to separate shells of <i>Blasicrura teres</i> and <i>B. alisonae</i> . Triton 6:24-26.

22	2002c. Cowries of East Sinai. Published privately. 208 pp.
23	2003a. Abnormalities in cowries 3. Overcallused and rostrated shells. Triton 8:13-15.
24	2003b. <i>Erosaria nebrites</i> form <i>labrospinosa</i> . Triton 8:17-18.
25	2004a. Unusual formations in cowries. Triton 9:20.
26	2004b. Variability of cowry populations 20. <i>Palmadusta lentiginosa</i> (Gray, 1825). Triton 9:21-23.
27	2004c. Intraspecific variability, species limits and conchological methods. American Conchologist 32(2):29-31.
28	2004d. Variability of cowry populations 21. Intraspecific variation in <i>Erosaria lamarckii</i> (Gray, 1825). Triton 10:39-43.
29	2004e. Variability of cowry populations 22. Intraspecific variation in <i>Erronea caurica</i> (Linnaeus, 1758). Triton 10:44-54.
30	2004f. Diagnosing cowry species. Published privately. 160 pp.
31	2004g. Intraspecific variation in <i>Mauritia arabica</i> (Linnaeus, 1758). Visaya 1(2):4-18.
32	2005a. About <i>Blasicrura rashleighana pseudoteres</i> . Triton 11:7-10.
33	2005b. New conchological information on <i>Blasicrura teres</i> -like shells of the Hawaiian waters. Triton 11:11-14.
34	2005c. <i>Notadusta punctata</i> forma <i>berinii</i> . Triton 11:17-19.
35	2005d. About <i>Cypraea tigris schilderiana</i> Cate, 1961. American Conchologist 33(1):4-6.
36	2005e. Intraspecific variation in <i>Erosaria erosa</i> (Linnaeus, 1758). Of Sea and Shore 27(2):76-88.
37	2005f. <i>Mauritia maculifera hawaiiensis</i> new subspecies. Triton 12:7-11.
38	2005g. Intraspecific variation in <i>Bistolida stolidi</i> (Linnaeus, 1758). Triton 12:12-20.
39	2005h. Intraspecific variation in living cowries. Part 1. CD ROM Electronic book.
40	2006a. Diagnostic shell characters of <i>Erosaria acicularis</i> and <i>Erosaria spurca</i> (Gastropoda, Cypraeidae). Basteria, Supplement 3:39-43.
41	2006b. Intraspecific variation in living cowries. Part 1: nomenclatural results. Triton 13:17-22.
42	2006c. More about cowry forms and names. Triton 13:23-26.
43	2006c. More about cowry forms and names. Triton 13:23-26.
44	2006e. Variability of cowry populations 23. <i>Schilderia achatidea</i> (Sowerby, 1837). Triton 14:11-14.
45	2006f. Variability of cowry populations 24. <i>Luria lurida</i> (Linnaeus, 1758). Triton 14:15-17.
46	2006g. Variability of cowry populations 25. <i>Erronea walkeri</i> (Sowerby, 1832). Triton 14:18-21.
47	2006h. Intraspecific variation in <i>Staphylaea limacina</i> (Lamarck, 1810). The Strandloper 283:4-8.
48	2006i. Variability of cowry populations 26. <i>Palmadusta fimbriata</i> (Gmelin, 1791). Triton 14:22-26.

49	2006j. Variability of cowry populations 27. <i>Erosaria miliaris</i> (Gmelin, 1791). Triton 14:27-30.
50	2006k. Variability of cowry populations 28. <i>Palmadusta clandestina</i> (Linnaeus, 1767). Triton 14:31-33.
51	2006l. Variability of cowry populations 29. <i>Erronea ovum</i> (Gmelin, 1791). Triton 14:34-35.
52	2006m. About <i>Luria isabella controversa</i> (Gray, 1824). American Conchologist 34 (3):4-8.
53	2006n. Intraspecific variation in living cowries. Part 2. CD ROM Electronic book.
54	2006o. Cypraeidae: <i>Lyncina carneola</i> (Linnaeus, 1758) form leviathan. American Conchologist 34 (4):33-35.
55	2007a. About <i>Erronea succincta</i> , a synonym of <i>E. onyx</i> . Pallidula 37(1): 20-22.
56	2007b. Two subspecies of <i>Erosaria helvola</i> are separable. Triton 15:14.
57	2007c. Two subspecies of <i>Erosaria caputserpentis</i> are separable. Triton 15:27-28.
58	2007d. <i>Ovatipsa chinensis</i> seems to be a monotypic species. Triton 15:29-31.
59	2007e. "Intraspecific variation in living cowries." Nomenclatural results of part 2. Triton 15:32-37.
60	2007f. <i>Erosaria caputdraconis poppei</i> needs further confirmation. Triton 16:5.
61	2007g. About the subspecies <i>Cribrarula cribraria esontropia</i> . Triton 16:10-16.
62	2007h. About <i>Luria lurida minima</i> . Triton 16 :17-20.
63	2007i. "Intraspecific variation in living cowries." Nomenclatural results of part 3. Triton 16:21-26.
64	2007j. Additional conchological information about <i>Schilderia achatidea</i> . Triton 16:27.
65	2007k. About <i>Cribrarula cribraria esontropia</i> . Pallidulla 37(2):13-15.
66	2007l. <i>Cypraeovula alfredensis</i> -a blue form of <i>Cypraeovula edentula</i> . American Conchologist 35(3): 23-25.
67	2007m. Intraspecific variation in living cowries. Part 3. CD ROM Electronic book.
68	2008a. A hypothesis: margarita-a smooth form of <i>Pustularia cicercula</i> . Triton 17:26-28.
69	2008b. Reflections upon <i>Pustularia mauiensis</i> and related taxa. Triton 17:29-31.
70	2008c. Unusual shells of <i>Mauritia arabica grayana</i> . Triton 17:32.
71	2008d. <i>Pustularia chiapponii</i> seems to be a form of <i>P. bistrinotata</i> . Triton 17:33-35.
72	2008e. Variation in cowries: follow-up 1. Triton 17:36-38.
73	2008f. Fossula in shells belonging to the genus <i>Pustularia</i> . Triton 17:39.
74	2008g. Rostrated cowries of East Sinai. Pallidula 38(1):9.
75	2008h. A monotypic species <i>Trona stercoraria</i> . Triton 18:16.
76	2008i. 'Columellar callus-bridge' may be a confusing shell character. Triton 18:17-18.
77	2008j. About recycling old cowry names. Triton 18:19-20.
78	2008k. More about the fossula in shells belonging to the genus <i>Pustularia</i> . Triton 18:21.

79	2008l. Distribution of <i>Pustularia cicercula</i> and <i>P. margarita</i> . Triton 18:22-26.
80	2008m. Comparing shell characters confirms: conchologically ‘margarita’ may be a smooth form of <i>Pustularia cicercula</i> . Triton 18:27-32.
81	2008n. Variation in cowries: follow-up 2. Triton 18:33-34.
82	2008o. A preliminary list of old cowry names recycled by the Schilders. Version 01. Triton 18 September 2008 Supplement.
83	2009a. <i>Pustularia cicercula avrillae</i> a new subspecies from French Polynesia. Triton 19:26-31.
84	2009b. <i>Ipsa children leforti</i> a new subspecies from French Polynesia. Triton 19:32-34.
85	2009c. <i>Blasicrura dani</i> a synonym of <i>B. dayritiana</i> Cate, 1963. Triton 19:35-36.
86	2009d. More information on <i>Mauritia maculifera hawaiiensis</i> . Triton 19:39.
87	2009e. A study of intraspecific variation in <i>Pustularia cicercula</i> (including the smooth form treated earlier as <i>P. margarita</i>). Supplement 1 to Triton 19.
88	2009f. A taxonomic history of and intraspecific variation in <i>Ipsa childreni</i> . Supplement 2 to Triton 19.
89	2009g. About <i>Erosaria turdus</i> living in the Mediterranean Sea. Triton 20:24.
90	2009h. A “species first rule”: an important criterion of subspecies. Triton 20:25.
91	2009i. A hypothesis: <i>C. gaskoini</i> (Reeve, 1846) should perhaps be treated as a subspecies of <i>C. cribraria</i> (Linnaeus, 1758). Triton 20:26.
92	2009j. <i>Cribrarula fischeri</i> (Vayssiere, 1910), a synonym of <i>C. cribraria</i> (Linnaeus, 1758). Triton 20:27-28.
93	2009k. Vayssière-Schilder (V-S) formula for comparing cowry populations. Triton 20:29.
94	2009l. <i>Cribrarula fischeri</i> (Vayssiere, 1910), a synonym of <i>Cribrarula cribraria</i> (Linnaeus, 1758): its nomenclatural history and a comparative study of shell characters. Supplement 1 to Triton 20.
95	2009m. <i>Cribrarula gaskoini</i> (Reeve, 1846), an interesting form, which can perhaps be treated as a subspecies of <i>C. cribraria</i> (Linnaeus, 1758). Supplement 2 to Triton 20.
96	2010a. A “five-criteria approach” (FCA) in taxonomy of Cypraeidae. Triton 21:10.
97	2010b. <i>Cribrarula fischeri astaryi</i> is a form of <i>C. cribraria</i> . Triton 21:11-13.
98	2010c. More on <i>Cribrarula cribraria gaspardi</i> . Triton 21:14.
99	2010d. <i>Cypraea taitae</i> -a synonym of <i>C. cribraria</i> . Triton 21:15-16.
100	2010e. <i>Cribrarula cribraria occidentalis</i> of West Australia, a synonym of <i>C. cribraria fallax</i> . Triton 21:17-18.
101	2010f. <i>Cribrarula cribraria fallax</i> : a recycled old name. Triton 21:19.
102	2010g. On the synonymy of <i>Cribrarula cribraria exmouthensis</i> . Triton 21:20.
103	2010h. <i>Cypraea haddnighiae</i> , a synonym of <i>C. cribraria</i> . Triton 21:21.
104	2010i. The genus <i>Cribrarula</i> in the Pacific Ocean (summary of the Supplement 2 to Triton 21). Triton 21:22-23.
105	2010j. More synonyms of <i>C. cribraria</i> from West Australia. Triton 21:24-25.

106	2010k. <i>Blasicrura interrupta</i> (Gray, 1824) and related taxa (Summary of the Supplement 3 to Triton 21). Triton 21:26.
107	2010l. The genus <i>Cribrarula</i> in the Pacific Ocean. Supplement 2 to Triton 21.
108	2010m. <i>Blasicrura interrupta</i> (Gray, 1824) and related taxa. Supplement 3 to Triton 21.
109	2010n. More on <i>Cribrarula gaskoini</i> . Triton 22:7.
110	2011. A conchological method of diagnosing mollusc taxa in reference to recent Cypraeidae. Part 1. Triton 23:24-30.
111	Dayle R.C. & Heiman E.L. 2011. <i>Cribrarula gaskoini</i> (A conchological study). 100 pp. Published privately.
112	Eastburn M. & Heiman E.L. 2010. <i>Mauritia mappa</i> from Kwajalein and the "atoll effect." Triton 22:8-12.
113	Heiman E. & Mienis H. K. 1999a. <i>Lyncina camelopardalis sharmiensis</i> n. ssp. from the east coast of Sinai, Red Sea. La Conchiglia 290:39-42.
114	Heiman E. & Mienis H. K. 1999b. <i>Erosaria nebrites nebrites</i> Melvill, 1888 from the east coast of Sinai (Gulf of Aqaba and northern Red Sea). La Conchiglia 291:27-35.
115	Heiman E. & Mienis H. K. 2000a. <i>Erronea caurica nabeqensis</i> n. ssp. from the east coast of Sinai. La Conchiglia 293:11-18.
116	Heiman E. & Mienis H. K. 2000b. <i>Luria pulchra sinaiensis</i> subsp. nov. from the Gulf of Aqaba. La Conchiglia 294-295:127-130.
117	Heiman E. & Mienis H. K. 2000c. Variability of cowry populations 6. Two populations of <i>Cypraea pantherina</i> . Triton 2:17-23.
118	Heiman E. & Mienis H. K. 2000d. Variability of <i>Mauritia arabica grayana</i> Schilder, 1930 in the Sinai area of the Gulf of Aqaba. La Conchiglia 297:29-38, 59.
119	Heiman E. & Mienis H. K. 2001. <i>Cypraea pantherina rasnasraniensis</i> new ssp. from the East coast of Sinai (Gastropoda:Prosobranchia:Cypraeinae). Triton 4:7-11.
120	Heiman E. & Mienis H. K. 2002. <i>Blasicrura teres elatensis</i> and <i>Blasicrura teres natalensis</i> – two new subspecies. Triton 5:11-17.
121	Heiman E. & Mienis H. K. 2003. Shells of East Sinai, an illustrated list. Cypraeidae. Triton 8:19-21.
122	Heiman E.L. & Mienis H. K. 2008. <i>Cypraea tricornis</i> Jousseume, 1874: a study of the type material. Triton 18:9-15.
123	Heiman E.L. & Singer A. 2008. New pink form of <i>Erosaria turdus pardalina</i> (Dunker, 1852). Triton 17:25.
124	Heiman E.L. & Yerenburg V. 2005. Variability of <i>Erosaria spurca</i> from Mediterranean coast of Israel. Triton 11:15-16.

2. USEFUL LITERATURE

Gowlett-Holmes K.L. & W. Zeidler. 1992. Mollusc type specimens in the South Australium Museum. 5. Gastropoda: Cypraeidae. Rec. S. Aust. Mus. 26(2):87-103. [Regarding taxa described by Steadman & Coton, 1943]
Groves L.T. 1994. Catalog of fossil and Recent Cypraeidae and Eocypraeinae (Ovulidae) described since 1971. The Cowry n.s. 1(1): 5-16, May 1994.
Groves L.T. 1994. Cypraeacean and triviacean literature 1971-1993. The Cowry n.s. 1 (Supplement):1-38.
Groves L.T. 2000. List of cypraeoidean and trivioidean literature 1994 through 1999. The Festivus 32(4):39-68.
Groves L.T. 2005. Cypraeoidean and trivioidean literature 2000-2004. The Festivus 38(11):121-145.
Groves L.T. 2010. Cypraeoidean and trivioidean literature 2005 through 2009. The Festivus 42(9):95-122.
International Commission on Zoological Nomenclature, 1999. International code of zoological nomenclature. The International Trust for Zoological Nomenclature 1999. London, pp. i-xxix, 1-306.
Schilder, F.A. Intraspecific Taxonomy. The Cowry 1(1):8-10.
Schilder F.A. & Schilder M. 1938. Prodrôme of a monograph on living Cypraeidae. Proceedings of the Malacological Society of London. 23:119-231.
Schilder F.A. & Schilder M. 1952. Ph. Dautzenberg's collection of Cypraeidae. Institute Royal des sciences naturelles de Belgique. Bruxelles. 243 pp. + 4 Plates.
Schilder M. & Schilder F.A. 1971. A catalogue of living and fossil cowries. Institut Royal des sciences naturelles de Belgique. 246 pp.
Wilson, B. & Clarkson P. 2004. Australia's spectacular cowries. A review and field study of two endemic genera: <i>Zoila</i> and <i>Umbilia</i> . Odyssey Publishing, California, USA.
Winston, J. E. 1999. Describing species. Practical taxonomic procedure for biologists. Columbia University Press, New York. 518 pp.

*) heimel@netvision.net.il