

ON THE VARIOUS EDITIONS OF TETSUAKI KIRA'S
"COLOURED ILLUSTRATIONS OF THE SHELLS OF JAPAN"
AND "SHELLS OF THE WESTERN PACIFIC IN COLOR VOL. I,"
WITH AN ANNOTATED LIST OF NEW NAMES INTRODUCED

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ABSTRACT

At least 37 printings of Tetsuaki Kira's "Coloured Illustrations of the Shells of Japan" (CISJ) and nine of its English-language version, "Shells of the Western Pacific in Color Vol. I" (SWPC), published between 1954 and 1989, are in existence. Some of the editions, often incorrectly dated on the title page, differ greatly in text and illustrations. They are of taxonomic importance as they contain descriptions of new taxa and so-called "manuscript names," spanning 30 molluscan families. Of the 54 species-group and one genus-group names in question, five had been introduced before Kira's work, two are not available for taxonomic purposes, and eight were subsequently introduced by other authors after Kira had listed them as nude names only. The remaining 40 species-group names, only five of which were designated as new taxa, were made available with this work. The majority, 34 names, date from Kira (1959, CISJ), two from Kira (September 1954, CISJ), two from Kira (1960, CISJ), one from Kira (1962, SWPC), and one from Kira & Habe in Kira (1962, SWPC). New taxa and "manuscript names" are traced through the various editions, and annotated lists of the printings and of the nominal taxa are supplied.

INTRODUCTION

Tetsuaki Kira's "Coloured Illustrations of the Shells of Japan," first published in 1954, in Japanese, has become one of the standard reference works on Indo-Pacific mollusks. A revised edition in English, first published in 1962, is known as "Shells of the Western Pacific in Color <Vol. I>." For convenience, they will hereafter be referred to as CISJ and SWPC, respectively. The work is of taxonomic interest as it contains the descriptions of at least 40 new species-group names. One new genus-group name appears, but is not validly introduced. However, the frequent use of manuscript names, the lack of dates given with the taxa, rampant misspellings, and the erratic use of parentheses around authors' names, make use of the book extremely difficult and have resulted in many erroneous citations by subsequent authors. While working on such problems, we discovered that there are at least 37 Japanese and nine English-language printings of this work, published between 1954 and 1989. Of the Japanese version, two editions are generally recognized, the original and the "enlarged & revised" edition, which was first published in 1959. We found, however, many of the so-called new printings to be revised editions. They were often newly typeset, and

contained not only technical corrections and additions (such as indexes) but had major taxonomic changes in the figure captions, and figures were replaced or renumbered on some of the plates. Only five new species are clearly designated as such, but about 50 manuscript names, inconsistently assigned to various authors, appear in the different editions (there may be additional nude names or available descriptions of taxa wrongly assigned to other authors in this work that have escaped us). A further complicating fact is that the date on the English-language title page of the Japanese editions is often incorrect, as can be shown by the Japanese date (day, month and year of emperor Hirohito's reign) in the colophon (inscription at the end) of each copy. Some English-language title pages were apparently used for a number of subsequent printings ("1955," for instance, still appears on the 1958 printing). Issues of CISJ and SWPC of the same year do not necessarily agree in taxonomic treatment, as the two were apparently independently revised and edited (Kira mentions in the SWPC preface that "Dr. Habe took the trouble of revising the Latin names into the latest and authorized way of use").

The taxonomic mess created by author and publisher of this work proves the inappropriateness (1) of introducing manuscript names

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into the literature, and (2) of describing new taxa in commercial book publications.

LISTING OF NEW AND
"MANUSCRIPT" NAMES

- (1) "*Cantharidus kanekonis* Oyama"
- (2) *Gaza sericata* Kira, 1959
- (3) *Pseudostratium henicus gloriosum* Kira, 1959
- (4) *Galeoastrea millegranosa* Kuroda & Habe in Habe, 1958
- (5) *Papyriscala bifasciata* Kira & Habe in Kira, 1962
- (6) *Cirsotrema (Elegantiscala) kurodai* Kira, 1960
- (7) *Canarium microureum* Kira, 1959
- (8) *Neverita (Glossaulax) hosoyai* Kira, 1959
- (9) *Simnia xanthochila* Kuroda, 1928
- (10) *Pustularia margarita tetsuakii* Kira, 1959
- (11) *Erosaria tomlini maturata* Kira, 1959
- (12) *Semicassis persimilis* Kira, 1959
- (13) *Bursa dunkeri* Kira, 1959
- (14) *Eudolium inflatum* Kuroda & Habe, 1952
- (15) *Murex kiiensis* Kira, 1959
- (16) *Ceratostoma (Pteropurpura) vespertilio* Kira, 1959
- (17) *Coralliobia akibumii* Kira, 1960
- (18) *Coralliophila pyriformis* Kira, 1959
- (19) *Latiaxis kawamurai* Kira, 1959
- (20) *Babylonia pallida* Kira, 1959
- (21) *Neptunea fukueae* Kira, 1959
- (22) *Buccinum isaotakii* Kira, 1959
- (23) *Nassarius (Zeuxis) kiiensis* Kira, 1959
- (24) *Granulifusus kiranus* Shuto, 1958
- (25) *Fusinus gemmuliferus* Kira, 1959
- (26) *Fusinus crassiplicatus* Kira, 1959
- (27) *Turrancilla apicalis* Kira, 1959
- (28) *Baryspira urasima* Kira, 1959
- (29) *Oliva hirasei* Kuroda & Habe, 1952
- (30) *Mitropifex hirasei* Kira, 1962
- (31) *Mitra (Cancilla) yagurai* Kira, 1959
- (32) *Ancistrosyrinx pulcherrissima* Kira, 1959
- (33) *Daphnella nobilis* Kira, 1959
- (34) *Chelyconus kinoshitai* Kuroda, 1956
- (35) *Asprella (Conasprella ?) ichinoseana* Kuroda, 1956
- (36) *Euhadra roseoapicalis* Kira, 1959
- (37) *Euhadra grata gratoides* Kira, 1959
- (38) *Cadulus (Platyschides) novilunatus* Kira, 1959
- (39) *Entalina majestica* Kira, 1959
- (40) *Dentalium (Episiphon) candelatum* Kira, 1959
- (41) *Dentalium (Pictodentalium) formosum hirasei* Kira, 1959

- (42) Genus-group name *Pictodentalium*
- (43) *Acila schencki* Habe, 1958
- (44) *Nuculana (Thestyleda) acinacea* Habe, 1958
- (45) *Limopsis tajimae emphaticus* Kira, 1959
- (46) *Fragum loochooanum* Kira, 1959
- (47) *Clinocardium uchidai* Habe, 1955
- (48) *Vasticardium compunctum* Kira, 1959
- (49) "*Vasticardium serricostatum*"
- (50) *Leukoma japonica* Kira, 1954
- (51) *Irus ishibashianus* Kuroda & Habe, 1952
- (52) *Solecurtus dunkeri* Kira, 1959
- (53) *Nuttallia solida* Kira, 1953
- (54) *Heteromacoma oyamai* Kira, 1954
- (55) *Lanceolaria oxyrhyncha cuspidata* Kira, 1959

LISTING OF PRINTINGS AND
REVISED EDITIONS

Table 1 lists the various printings and editions encountered by us. We were unable to examine in detail all of the printings for which we established printing dates. To properly date a copy, locate the *bottom line* of the date information in the colophon (e.g. "...35..6..5.."), and add 1925 to the first number which is the Year of the Showa Era; the second number is the month, and the third number is the day. This example translates to June 5th, 1960, which is the second printing of the second edition (the number of printing appears in kanji to the right of the last Arabic numeral; beginning with the tenth printing, the number of printing is shown in Arabic numerals).

Table 1. List of printings and revised editions of Kira's "Coloured Illustrations of the Shells of Japan" (CISJ) and "Shells of the Western Pacific" (SWPC). Asterisks (*) mark those in which taxonomic names were first made available.

(a) Coloured Illustrations of the Shells of Japan

All Japanese editions are cloth-bound octavo volumes, with gold lettering in Japanese and a muricid-icon imprinted on the spine. The First Edition (before 1959) has a greenish cloth binding with photographs of three ranelid specimens on the front cover; the Second Edition has a blue binding featuring a *Latiaxis* photograph on the front cover. The dust cover has a small buccinid (*Pusiosstoma*) photo-

graph on the spine and a *Spondylus* photograph in front; the cardboard slip case of the First Edition features photographs of *Chlamys*

and *Pleurotomaria* shells, and in the Second Edition photographs of an *Architectonica* and two *Strombus* shells.

Printing	Publication date	Notes
First Edition		
* 1	1954a (September 5)	1
2	1954b (November 1)	2
3	1955 (August 15)	3
4	1956 (June 1)	
5	1957 (June 15)	4
6	1958 (May 1)	5
Second Edition		
* 1	1959 (March 10)	6
* 2	1960 (June 5)	7
3	?	[not seen]
4	1961 (October 1)	
5	?	[not seen]
6	1963 (February 5)	
7–9	?	[not seen]
10	1965 (August 1)	8
11	1966 (August 1)	
12	?	[not seen]
13	1968 (May 1)	
14–15	?	[not seen]
16	1971 (March 1)	9
17	?	[not seen]
18	1972 (October 1)	
19	?	[not seen]
20	1974 (July 1)	[not seen]
21–24	?	[not seen]
25	1979 (July 1)	
26	?	[not seen]
27	1981 (April 1)	
28–30	?	[not seen]
31	1989 (February 1)	

Notes:

¹Contents (1954a): Japanese title page; [8 pp.] preface and introduction, dated August 1954; [1 p.] schematic drawings; pp. 1–135 figure captions [p. 1 = series title page], including 67 pls.; [p. 136 blank]; pp. 137–172 discussion of plates in Japanese, with black-and-white drawings (incl. description of two new taxa); pp. 1–4 index of family names in Latin and Japanese; pp. 5–24 index of figured taxa in Japanese. Apparently due to misnumbering, neither this nor any other printing of the first edition contains pages 41, 42, or 105, 106.

²1954b. Changes from preceding (1954a): Correction of many printer's errors, correction of gender in Latin species names, re-identifications, change of genus-group names as well as authorships (affecting most plates); renumbering of figures (pls. 9, 29, 55, 65, 66); correction of transposed figure legends (pls. 27, 37); change of family names (pls. 23, 39); replacement of two figures by photographs of different specimens (*Oliva emicator*, *Oliva erythrostoma*; pl. 31 figs. 10, 14); change and introduction of manuscript names; slight changes in text and indexes reflecting changes in plates.

³Title page design changed and title given in English for the first time. The Japanese title did not change, but the translation of the title of the first two printings was sometimes rendered as "Illustrations of Japanese Shells in Natural Colour" when cited by Japanese authors. Other changes from preceding printings: consecutive page numbering (pp. [8], 1–204), new index of generic names in Latin (pp. 177–184); very few corrections/changes in figure captions, most differences due to printer's error.

⁴Changes from 1955 (1956 not examined): minor correction in text (p. 36, *Sulcerato*); background color of plates changed from light-blue to gray or black (pl. 40).

⁵Changes from preceding (1957): Minor technical adjustments (such as color of pl. 64).

⁶Japanese/English title page now stating "Enlarged & Revised Edition." Contents: [4 pp.] + [1 p. new foreword in Japanese]; i–vii introduction in Japanese and index of family names in Japanese and Latin; [2 pp.] schematic drawings; pp. 1–195 figure captions, descriptions in Japanese (including black-and-white photographs and line drawings) **plus** 1 unnumbered (rare cowries) and 71 numbered pls.; pp. 196–210, introduction to shell collecting (including line drawings and

black-and-white photographs); pp. 211–218 index of generic names in Latin; pp. 219–239 index of figured taxa in Japanese + [241] colophon.

Major changes from preceding (1958): Figure captions now containing descriptions; 5 additional color plates (1 unnumbered, pls. 68–71); black-and-white photographs and line drawings in text; many re-identifications and new printer's errors; use of additional family names (e.g. Stomatiidae, p. 16, pl. 8); plates renumbered (pls. 16, 50); and many replacements of photographs in plates (pl. 4: *Tugali gigas*; pl. 7: *Monodonta perplexa*, *M. neritoides*; pl. 11: *Clythron sowerbyanus*; pl. 12: *Siliquaria cumingi*, *Serpulorbis imbricatus*; pl. 14: *Xenophora corrugata*; pl. 15: *Tibia fusus*; pl. 20: *Erronea hirasei* replaced by *E. caurica*; pl. 21: *Cassis cornuta*; pl. 30: *Baryspira urasima*, *Oliva emicator*, *O. erythrostoma*; pl. 50: *Spondylus cruentus*, addition of *Spondylus sanguineus*; pl. 55: *Tridacna squamosa*; pl. 57: *Sunetta concinna*).

⁷Changes from preceding (1959): re-identifications, frequently on the generic level, and corrections of typographic errors for most plates.

⁸Figures 5–16 on plate 8 have been renumbered to accommodate *Stomatia rubra* in the Stomatiidae.

⁹This is the first printing that we have seen which gives dates (years only) of previous printings on the verso of the title page. It is also the first printing seen which has "<<Vol. I>>" added to the title.

(b) Shells of the Western Pacific in Color

All English-language editions are larger (quarto) cloth-bound volumes, with gold lettering in English and a *Latiaxis*-icon imprinted on the front cover. The dust cover features color photographs of various gastropod and scaphopod shells. An odd feature of <<Vol. I>>, in contrast to the later <<Vol. II>> by

Habe not covered here, is that the odd-numbered pages are on the left instead of the right.

In contrast to the many different Japanese versions of this work, the English-language "editions" do not differ from each other, with the exception of minor technical details (such as the loss of figure-number 16 on plate 12 after 1962, probably due to printer's error).

Printing	Publication date	Notes
First Edition		
* 1	1962 (September)	
2	1965 (November 1)	1
Second (or "Revised") Edition		
—	1965 (October)	[not seen] ²
—	1966	[not seen] ³
—	1967	4
—	1968	5
—	1970	
Third (or "Second") Edition		
—	1972 (May)	6
—	1975	7

Notes:

¹Inscribed "2nd printing, 1965" with copyright date of 1962.

²The Revised Edition copyright date is October 1965.

³From dates of printing listed in 1968 printing.

⁴Stated to be "Third Edition January 1967," but it bears only the 1962 copyright date and not the copyright date of the Second Edition. As the copyright date for a "Third Edition" is later given as "May 1972," this is believed to be an error for "Third Printing," but we have no explanation for the 1962 copyright date.

⁵This is the first printing seen which has "<<Vol. I>>" appended to the title.

⁶The 1972 printing is referred to as the "Third Edition" on the verso of the title page, whereas the 1970 and earlier printings show "Revised Edition."

⁷The 1975 printing is again referred to as the "Second Edition" on the verso of the title page.

Neither the new copyright date (1965), nor the term "Revised Edition" are understood by us, as the 1962 and 1968 printings we have

examined differ only in the 1968 (and later) being styled "<<Vol. I>>," but the 1967 printing still omits this addition to the title.

ANNOTATED LISTING OF NEW TAXA
AND "MANUSCRIPT NAMES"

List of names that were recognized as either of Kira's or as "manuscript names" in Kira's work, following Kira's arrangement of molluscan families.³

Such names were traced through the printings and editions available to us. If published elsewhere, the proper citation of the original description is given in brackets. Printings in which the new names were first made available are indicated by asterisks (*). It should be noted that the listing is **not** a synonymy but reflects a chronological order of figure captions. In cases where the first two printings of CISJ differ, they are marked as "1954a" or "1954b."

GASTROPODA

Trochidae

(1) "*Cantharidus kanekonis* Oyama" [*nomen nudum*]

- 1954–1958 (CISJ): *Cantharidus kanekonis* Oyama, MS.; p. 15, pl. 7, fig. 5 [*nom. nud.*].
 1959 (CISJ): *Cantharidus yokohamensis* (Bock); p. 13, pl. 7, fig. 5.
 1960–1989 (CISJ): *Cantharidus* (*Kanekotrochus*) *infuscatus* (Gould); p. 13, pl. 7, fig. 5.
 1962–1968 (SWPC): *Cantharidus* (*Kanekotrochus*) *infuscatus* (Gould); p. 10, pl. 8, fig. 5.

Taxonomic note: Apparently the name was never made available.

(2) *Gaza sericata* Kira, 1959

- 1954–1958 (CISJ): *Gaza sericata* Kuroda, MS.; p. 16, pl. 8, fig. 13 [*nom. nud.*].
 *1959 (CISJ): *Gaza sericata* Kuroda, MS.; p. 17, pl. 8, fig. 13 [with short description in Japanese].
 1960–1963 (CISJ): *Gaza sericata* Kira; p. 17, pl. 8, fig. 13.
 1962–1968 (SWPC): *Gaza sericata* Kira; p. 14, pl. 9, fig. 12.
 1965–1989 (CISJ): *Gaza sericata* Kira; p. 17, pl. 8, fig. 12.

Turbinidae

(3) *Pseudastrialium henicus gloriosum* Kira, 1959

- 1954a (CISJ): *Pseudastrialium henicus gloriosum* Kuroda et Habe, MS.; p. 20, pl. 10, fig. 2 [*nom. nud.*].
 1954b–1958 (CISJ): *Pseudastrialium henicus gloriosum* Kuroda et Habe, MS.; p. 20, pl. 10, fig. 2 [*nom. nud.*].
 *1959 (CISJ): *Pseudastrialium henicus gloriosum* Kuroda et Habe, MS.; p. 19, pl. 10, fig. 2 [with short description in Japanese].
 1960–1961 (CISJ): *Guildfordia* *gloriosa* Kira; p. 19, pl. 10, fig. 2.
 1963 (CISJ): *Guildfordia* *gloriosa* Kira; p. 19, pl. 10, fig. 2.
 1962–1968 (SWPC): *Pseudastrialium henicus gloriosum* (Kira); p. 18, pl. 11, fig. 2.
 1965–1989 (CISJ): *Pseudastrialium henicus gloriosum* (Kira); p. 19, pl. 10, fig. 2.

(4) *Galeoastrea millegranosa* Kuroda & Habe in Habe, 1958 [1958a, Venus, 20(1): 45, pl. 3, fig. 1]

- 1954–1958 (CISJ): *Bolma* ? *millegranosa* Kuroda et Habe, MS.; p. 20, pl. 10, fig. 3 [*nom. nud.*].
 1959 (CISJ): *Bolma* ? *millegranosa* Kuroda & Habe, MS. [*sic*]; p. 20, pl. 10, fig. 3.
 1960–1963 (CISJ): *Galeoastrea* (*Harisazaea*) *millegranosa* Habe [*sic*]; p. 20, pl. 10, fig. 3.
 1962–1968 (SWPC): *Galeoastrea* [*sic*] *millegranosa* Habe [*sic*]; p. 18, pl. 11, fig. 3.
 1965–1989 (CISJ): *Galeoastrea millegranosa* Habe [*sic*]; p. 20, pl. 10, fig. 3.

Epitoniidae

(5) *Papyriscala bifasciata* Kira & Habe in Kira, 1962

- 1954a (CISJ): *Epitonium* (*Papyriscala*) *halimense* Makiyama; p. 27, pl. 13, fig. 16.
 1954b–1958 (CISJ): *Epitonium* (*Papyriscala*) sp.; p. 27, pl. 13, fig. 16.
 1959–1963 (CISJ): *Epitonium* (*Papyriscala*) sp.; p. 31, pl. 13, fig. 16.
 *1962 (SWPC): *Papyriscala bifasciata* Kira et Habe (n. sp.); p. 30, pl. 14, fig. 16.
 1965–1968 (SWPC): *Papyriscala bifasciata* Kira et Habe (n. sp.) [*sic*]; p. 30, pl. 14, fig. 16.
 1965–1989 (CISJ): *Papyriscala bifasciata* Kira et Habe; p. 31, pl. 13, fig. 16.

Taxonomic note: Listed in synonymy of "*Papyriscala yokoyamai* (Suzuki & Ichikawa, 1936)" by Kuroda et al. (1971: 257). Also listed this way by Inaba & Oyama (1977: 27), but authorship of *P. yokoyamai* is correctly given as "Suzuki & Ichimura, 1936."

³Kira's collection is now located in the Osaka City Museum, Japan (Inaba & Oyama, 1977: 36).

(6) *Cirsotrema (Elegantiscala) kurodai* Kira, 1960

1954–1958 (CISJ): *Cirsotrema (Elegantiscala)* sp.; p. 27, pl. 13, fig. 17.

1959 (CISJ): *Cirsotrema (Elegantiscala)* sp.; p. 32, pl. 13, fig. 17.

*1960 (CISJ): *Cirsotrema (Elegantiscala) kurodai* Kira; p. 32, pl. 13, fig. 17.

1961–1963 (CISJ): *Cirsotrema (Elegantiscala) kurodai* Kira; p. 32, pl. 13, fig. 17.

1962–1968 (SWPC): *Cirsotrema (Elegantiscala) varicosum* Kuroda; p. 30, pl. 14, fig. 17.

1965–1989 (CISJ): *Cirsotrema (Elegantiscala) rugosum* Kuroda et Ito; p. 32, pl. 13, fig. 17.

Taxonomic note: In the original description of *Cirsotrema (Elegantiscala) rugosum* Kuroda & Ito, 1961, the authors list *Cirsotrema (Elegantiscala)* sp. of Kira in the synonymy. Hanshin Shell Club (1986: 100–101) does not mention Kira as one of those "persons who dedicated taxonomic names to Dr. T. Kuroda."

Strombidae

(7) *Canarium microunceum* Kira, 1959

1954–1958 (CISJ): *Canarium microunceum* Kuroda, MS.; p. 31, pl. 15, fig. 5 [*nom. nud.*].

*1959 (CISJ): *Canarium microunceum* Kuroda, MS.; p. 35, pl. 15, fig. 5 [with short description in Japanese].

1960–1989 (CISJ): *Canarium microunceum* Kira; p. 35, pl. 15, fig. 5.

1962–1968 (SWPC): *Canarium microunceum* Kira; p. 34, pl. 16, fig. 5.

Taxonomic note: Cited by Habe & Kosuge (1964a: 4) as of Kira (1958).

Naticidae

(8) *Neverita (Glossaulax) hosoyai* Kira, 1959

*1959 (CISJ): *Neverita (Glossaulax) hosoyai* Kuroda & Kira, MS.; p. 42 [with short description in Japanese].

1960–1989 (CISJ): *Neverita (Glossaulax) hosoyai* Kira; p. 42.

1962–1968b (SWPC): *Neverita (Glossaulax) hosoyai* Kira; p. 43.

Taxonomic note: Listed as synonym of *Glossaulax didyma* (Röding, 1798) by Majima (1987: 62).

Amphiperatidae / Ovulidae [depending on printing]

(9) *Simnia xanthochila* Kuroda, 1928 [Venus, 1(1): pl. 1, fig. 5; Venus, 1(3): 78 (1929)]

1954a (CISJ): *Pellasmnia xanthochila* Kuroda, MS. [*sic*]; p. 36, pl. 18, fig. 13.

1954b–1958 (CISJ): *Pellasmnia hirasei xanthochila* (Kuroda); p. 36, pl. 18, fig. 13.

1959–1989 (CISJ): *Pellasmnia hirasei xanthochila* (Kuroda); p. 44, pl. 18, fig. 13.

1962–1968 (SWPC): *Pellasmnia hirasei xanthochila* (Kuroda); p. 45, pl. 19, fig. 13.

Taxonomic note: Placed in genus *Xandarovula* Cate, 1973, by Cate (1973: 35) and Azuma (1976: 115).

Cypraeidae

(10) *Pustularia margarita tetsuakii* Kira, 1959

1954–1958 (CISJ): *Pustularia margarita tetsuakii* [*sic*] Kuroda, MS.; p. 36, pl. 18, fig. 17 [*nom. nud.*].

*1959 (CISJ): *Pustularia margarita tetsuakii* Kuroda, MS.; p. 45, pl. 18, fig. 17 [with short description in Japanese].

1960–1989 (CISJ): *Pustularia margarita tetsuakii* Kuroda [*sic*]; p. 45, pl. 18, fig. 17.

1962–1968 (SWPC): *Pustularia margarita tetsuakii* Kuroda [*sic*]; p. 46, pl. 19, fig. 17.

Taxonomic note: Considered "Japanese-Hawaiian race" of *Pustularia cicercula* (Linné, 1758) by Cernohorsky (1967: 72). Listed as subspecies of *Pustularia (Pustularia) globulus* (Linné, 1758) by M. Schilder & F. A. Schilder (1971: 57).

(11) *Erosaria tomlini maturata* Kira, 1959

1954–1958 (CISJ): *Erosaria tomlini maturata* Kuroda, MS.; p. 39, pl. 19, fig. 11 [*nom. nud.*].

*1959 (CISJ): *Erosaria tomlini maturata* Kuroda, MS.; p. 47, pl. 19, fig. 11 [with short description in Japanese].

1960–1963 (CISJ): *Erosaria tomlini maturata* Kira; p. 47, pl. 19, fig. 11.

1962–1968 (SWPC): *Erosaria tomlini ogasawarenensis* Schilder; p. 48, pl. 20, fig. 11.

1965–1989 (CISJ): *Erosaria tomlini ogasawarenensis* Schilder; p. 47, pl. 19, fig. 11.

Taxonomic note: Listed in synonymy of *Erosaria tomlini ogasawarenensis* Schilder, 1944, by Kuroda et al. (1971: 105).

Cassididae [Cassidae]

(12) *Semicassis persimilis* Kira, 1959

1954a (CISJ): *Semicassis persimile* [*sic*] Kuroda, MS.; p. 43, pl. 21, fig. 3 [*nom. nud.*].

1954b–1958 (CISJ): *Semicassis persimilis* Kuroda, MS.; p. 43, pl. 21, fig. 3 [*nom. nud.*].

*1959 (CISJ): *Semicassis persimilis* Kuroda,

MS.; p. 52, pl. 21, fig. 3 [with short description in Japanese].

1960–1963 (CISJ): *Semicassis persimilis* Kira; p. 52, pl. 21, fig. 3.

1962–1968 (SWPC): *Semicassis persimilis* Kuroda [sic]; p. 54, pl. 22, fig. 3.

1965–1989 (CISJ): *Semicassis persimilis* Kuroda [sic]; p. 52, pl. 21, fig. 3.

Taxonomic note: Abbott (1968: 129) lists this as synonym of *Phalium bisulcatum* (Schubert & Wagner, 1829) and states "Kira's type of *persimilis* may be lost."

Bursidae

(13) *Bursa dunkeri* Kira, 1959

1954–1958 (CISJ): *Bursa dunkeri* Kuroda, MS.; p. 43, pl. 21, fig. 18 [nom. nud.].

*1959 (CISJ): *Bursa dunkeri* Kuroda, MS.; p. 54, pl. 21, fig. 18 [with short description in Japanese].

1960–1989 (CISJ): *Bursa dunkeri* Kira; p. 54, pl. 21, fig. 18.

1962–1968 (SWPC): *Bursa dunkeri* Kira; p. 57, pl. 22, fig. 18.

Taxonomic note: Listed as of Kira (1962) by Kuroda et al. (1971: 133).

Tonnidae

(14) *Eudolium inflatum* Kuroda & Habe, 1952 [Check List, p. 56]

1954a (CISJ): *Eudolium lineatum inflatum* Kuroda et Habe; p. 44, pl. 22, fig. 4.

1954b–1958 (CISJ): *Eudolium lineatum inflatum* Kuroda et Habe, MS. [sic]; p. 44, pl. 22, fig. 4.

1959–1960 (CISJ): *Eudolium lineatum inflatum* Kuroda et Habe, MS. [sic]; p. 55, pl. 22, fig. 4.

1963 (CISJ): *Eudolium lineatum inflatum* Kuroda et Habe; p. 55, pl. 22, fig. 4.

1962–1968 (SWPC): *Eudolium inflatum* Kuroda et Habe; p. 59, pl. 23, fig. 4.

1965–1989 (CISJ): *Eudolium inflatum* Kuroda et Habe; p. 55, pl. 22, fig. 4.

Taxonomic note: Introduced by Kuroda & Habe (1952: 56) as a new name for *Eudolium lineatum* Schepman as figured by Osima (1943, Conch. Asiat. 1, pl. 5, fig. 1). As Osima's figure is accompanied by a description, Kuroda & Habe's (1952) name can be accepted.

Muricidae

(15) *Murex kiiensis* Kira, 1959

1954–1958 (CISJ): *Murex kiiensis* Kuroda, MS.; p. 47, pl. 23, fig. 10 [nom. nud.].

*1959 (CISJ): *Murex kiiensis* [sic] Kuroda, MS.; p. 58, pl. 23, fig. 10 [with short description in Japanese].

1960–1989 (CISJ): *Murex kiiensis* Kira; p. 58, pl. 23, fig. 10.

1962–1968 (SWPC): *Murex kiiensis* Kira; p. 63, pl. 24, fig. 10.

Taxonomic note: Listed as of Kira (1962) by E. H. Vokes (1971: 62).

(16) *Ceratostoma (Pteropurpura) vespertilio* Kira, 1959.

1954a (CISJ): *Ceratostoma (Pteropurpura) vespertilis* [sic] Kuroda, MS.; p. 48, pl. 24, fig. 10 [nom. nud.].

1954b–1958 (CISJ): *Ceratostoma (Pteropurpura) vespertilio* Kuroda, MS.; p. 48, pl. 24, fig. 10 [nom. nud.].

*1959 (CISJ): *Ceratostoma (Pteropurpura) vespertilio* Kuroda, MS.; p. 61, pl. 24, fig. 10 [with short description in Japanese].

1960–1963 (CISJ): *Ceratostoma (Pteropurpura) vespertilio* Kira; p. 61, pl. 24, fig. 10.

1962–1968 (SWPC): *Pteropurpura vespertilio* Kira; p. 66, pl. 25, fig. 10.

1965–1989 (CISJ): *Pteropurpura vespertilio* (Kira); p. 61, pl. 24, fig. 10.

Taxonomic note: Listed as of Kuroda in Kira (1955) by E. H. Vokes (1971: 115).

Rapidae [Coralliophilidae]

(17) *Coralliobia akibumii* Kira, 1960

1954a (CISJ): *Coralliobia inflata* (Dunker); p. 51, pl. 25, fig. 3.

1954b–1958 (CISJ): *Coralliobia* sp.; p. 51, pl. 25, fig. 3.

1959 (CISJ): *Coralliobia* sp.; p. 63, pl. 25, fig. 3.

*1960 (CISJ): *Coralliobia akibumii* Kira; p. 63, pl. 25, fig. 3 [with short description in Japanese].

1961–1989 (CISJ): *Coralliobia akibumii* Kira; p. 63, pl. 25, fig. 3.

1962–1968 (SWPC): *Coralliobia akibumii* Kira (n. sp.) [sic]; p. 68, pl. 26, fig. 3.

Taxonomic note: Listed as of Kira (1959) in synonymy of *Coralliophila inflata* (Dunker, 1847) by Kosuge & Suzuki (1985: 34).

(18) *Coralliophila pyriformis* Kira, 1959

1954–1958 (CISJ): *Coralliophila pyriformis* Kuroda, MS.; p. 51, pl. 25, fig. 12 [nom. nud.].

*1959 (CISJ): *Coralliophila pyriformis* Kuroda, MS.; p. 64, pl. 25, fig. 12 [with short description in Japanese].

1960–1989 (CISJ): *Coralliophila pyriformis* Kira; p. 64, pl. 25, fig. 12.

1965–1968 (SWPC): *Coralliophila pyriformis* Kira; p. 69, pl. 26, fig. 12.

Taxonomic note: Listed in synonymy of *Coralliophila radula* (A. Adams, 1855) by Kosuge & Suzuki (1985: 39).

(19) *Latiaxis kawamurai* Kira, 1959

- 1954–1958 (CISJ): *Latiaxis kawamurai* Kuroda, MS.; p. 51, pl. 25, fig. 20 [*nom. nud.*].
 *1959 (CISJ): *Latiaxis kawamurai* Kuroda, MS.; p. 65, pl. 25, fig. 20 [with short description in Japanese].
 1960 (CISJ): *Latiaxis kawamurai* Kira; p. 65, pl. 25, fig. 20.
 1961–1989 (CISJ): *Laticxis [sic] kawamurai* Kira; p. 65, pl. 25, fig. 20.
 1962–1968 (SWPC): *Latiaxis kawamurai* Kira; p. 70, pl. 26, fig. 20.

Taxonomic note: Kuroda, in October 1958 [Venus, 20(2)], published an illustration and figure caption of what he intended to describe as "*Latiaxis kawamurai* Kuroda, n.sp." The text describing the new species appeared only in November 1959 [Venus, 20(4)], eight months after Kira had given a description in CISJ. Kuroda (1959), recognizing Kira's priority, correctly cited "*Latiaxis kawamurai* Kira, 1959" in the text (1959: 319). Placed in genus *Babelomurex* by Kosuge & Suzuki (1985: 14).

Buccinidae

(20) *Babylonia pallida* Kira, 1959 [preoccupied, replaced by *B. kirana* Habe, 1965]

- 1954–1958 (CISJ): *Babylonia pallida* Kuroda, MS.; p. 52, pl. 26, fig. 28 [*nom. nud.*].
 *1959 (CISJ): *Babylonia pallida* Kuroda, MS.; p. 69, pl. 26, fig. 28 [with short description in Japanese].
 1960–1963 (CISJ): *Babylonia pallida* Kira; p. 69, pl. 26, fig. 28.
 1962–1968 (SWPC): *Babylonia pallida* Kira; p. 75, pl. 27, fig. 28.
 1965–1989 (CISJ): *Babylonia pallida* Kuroda [*sic*]; p. 69, pl. 26, fig. 28.

Taxonomic note: Placed in synonymy of *Babylonia kirana* n.sp. by Habe (1965: 119), who found Kira's name preoccupied by *Ancilla pallida* Perry, 1811 (secondary homonymy). Altena & Gittenberger (1981: 28–29) considered *B. kirana* as a *nomen novum* for *B. pallida* Kira, *non* Perry, and selected the shell figured by Kira (1959: pl. 26, fig. 28) as the lectotype of *B. pallida* Kira, and, consequently, of *B. kirana* Habe. However, ICZN Article 72(e) [a replacement name for a prior species-group name has the same name-bearing type] demands that "an author pro-

poses a new species group-name expressly as a replacement name for a prior one." It can be argued that *B. kirana* Habe was not indicated "expressly as a replacement name," as it is only after Habe (1965: 119) has illustrated and described the species and named a type specimen, that he mentions that the species had previously been named. Altena & Gittenberger (1981: 29) also state that "*B. pallida* Hirase, 1934, and *B. pallida* Kira, 1959, have been introduced independently for the same species and, therefore, are primary homonyms and synonyms," and they select the specimen figured by Hirase (1934: pl. 104, fig. 9) as the lectotype of *B. pallida* Hirase. The listing and illustration of *B. pallida* Hirase, 1934, however does not fulfill the requirements of ICZN Article 13(a) [criteria of availability to be satisfied by new names published after 1930] and has to be regarded as a *nomen nudum*. The nude name "*Babylonia pallida* Hirase" may have been what Kira meant when he first listed "*Babylonia pallida* Kuroda, MS."

(21) *Neptunea fukueae* Kira, 1959

- 1954–1958 (CISJ): *Neptunea fukueae* Kuroda, MS.; p. 55, pl. 27, fig. 4 [*nom. nud.*].
 *1959 (CISJ): *Neptunea fukueae* Kuroda, MS.; p. 69, pl. 27, fig. 4 [with short description in Japanese].
 1960–1963 (CISJ): *Neptunea fukueae* Kira; p. 69, pl. 27, fig. 4.
 1962–1968 (SWPC): *Neptunea fukueae* Kira; p. 76, pl. 28, fig. 4.
 1965–1989 (CISJ): *Neptunea fukueae* Kuroda [*sic*]; p. 69, pl. 27, fig. 4.

Taxonomic note: Listed as of Kira (without date) by Habe & Sato (1973: 2) when they made it type species of the new genus *Golkovia*.

(22) *Buccinum isaotakii* Kira, 1959

- 1954–1958 (CISJ): *Buccinum leucostoma* (Lischke); p. 55, pl. 27, fig. 8.
 *1959 (CISJ): *Buccinum isao-takii* Oyama, MS.; p. 70, pl. 27, fig. 8 [with short description in Japanese].
 1960–1989 (CISJ): *Buccinum isao-takii* Kira; p. 70, pl. 27, fig. 8.
 1962–1968 (SWPC): *Buccinum isaotakii* Kira; p. 76, pl. 28, fig. 8.

Nassariidae

(23) *Nassarius (Zeuxis) kiiensis* Kira, 1959

- 1954a (CISJ): *Nassarius (Alectrion) kiiensis* Kuroda, MS.; p. 56, pl. 28, fig. 21 [*nom. nud.*].
 1954b–1958 (CISJ): *Nassarius (Zeuxis) kiiensis* Kuroda, MS.; p. 56, pl. 28, fig. 21 [*nom. nud.*].
 *1959 (CISJ): *Nassarius (Zeuxis) kiiensis* Kuroda, MS.; p. 73, pl. 28, fig. 21 [with short description in Japanese].
 1960–1963 (CISJ): *Nassarius (Zeuxis) kiiensis* Kira; p. 73, pl. 28, fig. 21.
 1962–1968 (SWPC): *Zeuxis kiiensis* Kira; p. 81, pl. 29, fig. 21.
 1965–1989 (CISJ): *Zeuxis kiiensis* (Kira); p. 73, pl. 28, fig. 21.

Taxonomic note: Listed in synonymy of *Nassarius castus* (Gould, 1850) by Cernohorsky (1984: 131).

Fascioliariidae

(24) *Granulifusus kiranus* Shuto, 1958 [Trans. Proc. Paleont. Soc. Japan, 31: 258, pl. 38, fig. 1]

- 1954a (CISJ): *Fusinus kirana* [*sic*] Kuroda, MS.; p. 60, pl. 30, fig. 3 [*nom. nud.*].
 1954b–1958 (CISJ): *Granulifusus kiranus* Kuroda, MS.; p. 60, pl. 30, fig. 3 [*nom. nud.*].
 1959 (CISJ): *Granulifusus kiranus* Kuroda, MS. [*sic*]; p. 77, pl. 30, fig. 3.
 1960–1989 (CISJ): *Granulifusus kiranus* Shuto; p. 77, pl. 30, fig. 3.
 1962–1968 (SWPC): *Granulifusus kiranus* Shuto; p. 85, pl. 31, fig. 3.

(25) *Fusinus gemmuliferus* Kira, 1959

- 1954–1958 (CISJ): *Fusinus gemmuliferus* Kuroda, MS.; p. 60, pl. 30, fig. 5 [*nom. nud.*].
 *1959 (CISJ): *Fusinus gemmuliferus* Kuroda, MS.; p. 77, pl. 30, fig. 5 [with short description in Japanese].
 1960–1989 (CISJ): *Fusinus gemmuliferus* Kira; p. 77, pl. 30, fig. 5.
 1962–1968 (SWPC): *Fusinus gemmuliferus* Kira; p. 85, pl. 31, fig. 5.

(26) *Fusinus crassiplicatus* Kira, 1959

- 1954–1958 (CISJ): *Fusinus crassiplicatus* Kuroda, MS.; p. 60, pl. 30, fig. 6 [*nom. nud.*].
 *1959 (CISJ): *Fusinus crassiplicatus* Kuroda, MS.; p. 78, pl. 30, fig. 6 [with short description in Japanese].
 1960–1989 (CISJ): *Fusinus crassiplicatus* Kira; p. 78, pl. 30, fig. 6.
 1962–1968 (SWPC): *Fusinus crassiplicatus* Kira; p. 85, pl. 31, fig. 6.

Olividae

(27) *Turrancilla apicalis* Kira, 1959

- 1954–1958 (CISJ): *Turrancilla apicalis* Is. Taki, MS.; p. 63, pl. 31, fig. 2 [*nom. nud.*].
 *1959 (CISJ): *Turrancilla apicalis* Is. Taki, MS.; p. 79, pl. 31, fig. 2 [with short description in Japanese].
 1960–1989 (CISJ): *Turrancilla suavis* (Yokoyama); p. 79, pl. 31, fig. 2.
 1962–1968 (SWPC): *Turrancilla suavis* (Yokoyama); p. 88, pl. 32, fig. 2.

(28) *Baryspira urasima* Kira, 1959

- 1954a (CISJ): *Baryspira hinomotoensis* (Yokoyama); p. 63, pl. 31, fig. 3.
 1954b–1958 (CISJ): *Baryspira urasima* Is. Taki, MS.; p. 63, pl. 31, fig. 3 [*nom. nud.*].
 *1959 (CISJ): *Baryspira urasima* Is. Taki, MS.; p. 80, pl. 31, fig. 3. [From here on different shell figured! With short description in Japanese].
 1960–1989 (CISJ): *Baryspira urasima* Kira; p. 80, pl. 31, fig. 3.
 1962–1968 (SWPC): *Baryspira hinomotoensis* (Yokoyama); p. 88, pl. 32, fig. 3.

Taxonomic note: Listed as synonym of *Baryspira hinomotoensis* (Yokoyama, 1922) by Kuroda et al. (1971: 195).

(29) *Oliva hirasei* Kuroda & Habe, 1952 [Check List, p. 74]

- 1954–1958 (CISJ): *Oliva hirasei* Kuroda, MS. [*sic*]; p. 63, pl. 31, fig. 8.
 1959 (CISJ): *Oliva hirasei* Kuroda, MS. [*sic*]; p. 80, pl. 31, fig. 8.
 1960–1989 (CISJ): *Oliva hirasei* Kira [*sic*]; p. 80, pl. 31, fig. 8.
 1962–1968 (SWPC): *Oliva hirasei* Kira [*sic*]; p. 89, pl. 32, fig. 8.

Taxonomic note: Kuroda & Habe (1952: 74) give this name for a figure in Hirase (1909: pl. 4, fig. 26). As Hirase's work (1909: 45, 46) contains a description of the cited figure, "*Oliva irisans* Lam. Var. ?," the name can be accepted as of Kuroda & Habe (1952) [ICZN Art. 13(a)(ii)]. Petuch & Sargent (1986) list this name in their index as of Kuroda & Habe (1952), but in their text as of Kira (1959).

Mitridae

(30) *Mitropifex hirasei* Kira, 1962

- 1954a (CISJ): *Mitra (Scabricola) japonica* A. Adams; p. 68, pl. 34, fig. 2.
 1954b–1958 (CISJ): *Vexillum (Uromitra) sp.*; p. 68, pl. 34, fig. 2.

- 1959–1963 (CISJ): *Vexillum (Uromitra)* sp.; p. 88, pl. 34, fig. 2.
 *1962 (SWPC): *Mitropifex hirasei* Kira (n.sp.); p. 98, pl. 35, fig. 2.
 1965–1968 (SWPC): *Mitropifex hirasei* Kira (n.sp.) [sic]; p. 98, pl. 35, fig. 2.
 1965–1989 (CISJ): *Mitropifex hirasei* Kira; p. 88, pl. 34, fig. 2.

(31) *Mitra (Cancilla) yagurai* Kira, 1959

- 1954a (CISJ): *Mitra (Cancilla) yagurai* Kuroda, MS.; p. 68, pl. 34, fig. 3 [nom. nud.].
 1954b–1958 (CISJ): *Mitr* [sic] (*Cancilla*) *yagurai* Kuroda, MS.; p. 68, pl. 34, fig. 3 [nom. nud.].
 *1959 (CISJ): *Mitra (Cancilla) yagurai* Kuroda, MS.; p. 88, pl. 34, fig. 3 [with short description in Japanese].
 1960–1963 (CISJ): *Mitra (Tiara) yagurai* Kira; p. 88, pl. 34, fig. 3.
 1962–1968 (SWPC): *Tiara yagurai* (Kira); p. 98, pl. 35, fig. 3.
 1965–1989 (CISJ): *Tiara yagurai* (Kira); p. 88, pl. 34, fig. 3.

Taxonomic note: Listed as synonym of *Mitra interlirata* Reeve, 1844, by Cernohorsky (1970: 46).

Turridae

(32) *Ancistrosyrinx pulcherrissima* Kira, 1959

- 1954a (CISJ): *Ancistrosyrinx pulcherrissima* [sic] Kuroda, MS.; p. 71, pl. 35, fig. 1 [nom. nud.].
 1954b–1958 (CISJ): *Ancistrosyrinx pulcherrissima* Kuroda, MS.; p. 71, pl. 35, fig. 1 [nom. nud.].
 *1959 (CISJ): *Ancistrosyrinx pulcherrissima* Kuroda; p. 90, pl. 35, fig. 1 [with short description in Japanese].
 1960–1963 (CISJ): *Ancistrosyrinx pulcherrissima* Kira; p. 90, pl. 35, fig. 1.
 1962–1968 (SWPC): *Ancistrosyrinx pulcherrissimus* Kira; p. 100, pl. 36, fig. 1.
 1965–1989 (CISJ): *Ancistrosyrinx pulcherrissimus* Kira; p. 90, pl. 35, fig. 1.

Taxonomic note: Listed as of Kuroda, 1958, by Powell (1966: 42).

(33) *Daphnella nobilis* Kira, 1959

- 1954a (CISJ): *Daphnella nobilis* [sic] Kuroda, MS.; p. 71, pl. 35, fig. 4 [nom. nud.].
 1954b–1958 (CISJ): *Daphnella nobilis* Kuroda, MS.; p. 71, pl. 35, fig. 4 [nom. nud.].
 *1959 (CISJ): *Daphnella nobilis* Kuroda, MS.; p. 90, pl. 35, fig. 4 [with short description in Japanese].
 1960–1989 (CISJ): *Daphnella nobilis* Kira; p. 90, pl. 35, fig. 4.
 1962–1968 (SWPC): *Daphnella nobilis* Kira; p. 100, pl. 36, fig. 4.

Conidae

(34) *Chelyconus kinoshitai* Kuroda, 1956 [Venus, 19(1): 6, text-fig. 7]

- 1954–1955 (CISJ): *Floraconus ? kinoshitai* Kuroda, MS.; p. 75, pl. 37, fig. 18 [nom. nud.].
 1957–1958 (CISJ): *Floraconus ? kinoshitai* Kuroda, MS. [sic]; p. 75, pl. 37, fig. 18.
 1959–1989 (CISJ): *Chelyconus kinoshitai* Kuroda; p. 97, pl. 37, fig. 18.
 1962–1968 (SWPC): *Chelyconus kinoshitai* (Kuroda); p. 108, pl. 38, fig. 18.

(35) *Asprella (Conasprella ?) ichinoseana* Kuroda, 1956 [Venus, 19(1): 10, pl. 1, fig. 5]

- 1954a (CISJ): *Asprella (Conasprella) ichinoseana* Kuroda [sic]; p. 76, pl. 38, fig. 3 [nom. nud.].
 1954b–1955 (CISJ): *Asprella ichinoseana* Kuroda, MS.; p. 76, pl. 38, fig. 3 [nom. nud.].
 1957–1958 (CISJ): *Asprella ichinoseana* Kuroda, MS. [sic]; p. 76, pl. 38, fig. 3.
 1959–1989 (CISJ): *Asprella (Conasprella) ichinoseana* Kuroda; p. 98, pl. 38, fig. 3.
 1962–1968 (SWPC): *Asprella (Conasprella) ichinoseana* Kuroda; p. 109, pl. 39, fig. 3.

Bradybaenidae

(36) *Euhadra roseoapicalis* Kira, 1959

- 1954a (CISJ): *Euhadra brandtii* (Kobelt); p. 132, pl. 66, fig. 16.
 1954b–1958 (CISJ): *Euhadra brandtii* (Kobelt); p. 132, pl. 66, fig. 15 [renumbered].
 *1959 (CISJ): *Euhadra roseoapicalis* Kuroda, MS.; p. 182, p. 66, fig. 15 [with short description in Japanese].
 1960–1963 (CISJ): *Euhadra brandti* [sic] (Kobelt); p. 182, pl. 66, fig. 15.
 1962–1968 (SWPC): *Euhadra brandti roseoapicalis* Kira; p. 197, pl. 67, fig. 15.
 1965–1989 (CISJ): *Euhadra brandti roseoapicalis* Kira; p. 182, pl. 66, fig. 15.

(37) *Euhadra grata gratoides* Kira, 1959

- 1954a (CISJ): *Euhadra grata gratoides* Kira, MS.; p. 132, pl. 66, fig. 19 [nom. nud.].
 1954b–1958 (CISJ): *Euhadra grata gratoides* Kira, MS.; p. 132, pl. 66, fig. 17 [renumbered] [nom. nud.].
 *1959 (CISJ): *Euhadra grata gratoides* Kira; p. 182, pl. 66, fig. 17 [with short description in Japanese].
 1960–1989 (CISJ): *Euhadra grata gratoides* Kira; p. 182, pl. 66, fig. 17.
 1962–1968 (SWPC): *Euhadra grata gratoides* Kira; p. 197, pl. 67, fig. 17.

SCAPHOPODA

Siphonodentaliidae

(38) *Cadulus (Platyschides) novilunatus* Kira, 1959

1954a (CISJ): *Gadila novilunata* Kuroda, MS.; p. 80, pl. 40, fig. 2 [*nom. nud.*].

1954b–1958 (CISJ): *Cadulus (Platyschides) novilunatus* Kuroda, MS.; p. 80, pl. 40, fig. 2 [*nom. nud.*].

*1959 (CISJ): *Cadulus (Platyschides) novilunatus* Kuroda, MS.; p. 104, pl. 40, fig. 2 [with short description in Japanese].

1960–1963 (CISJ): *Cadulus (Platyschides) novilunatus* Kira; p. 104, pl. 40, fig. 2.

1962–1968 (SWPC): *Gadila (Platyschides) novilunata* (Kira); p. 116, pl. 41, fig. 2.

1965–1989 (CISJ): *Pulsellum virginalis* (Boissevain); p. 104, pl. 40, fig. 2.

Taxonomic note: Listed as "*Gadila novilunata* Kira, 1959," in synonymy of *Platyschides virginalis* (Boissevain, 1906) by Habe (1964: 49), and in synonymy of "*Cadulus (Platyschides) virginalis* Boissevain [*sic*]" by Habe & Kosuge (1964b: 12); listed as "*Gadila (Platyschides) noviluna [sic]* Kira, 1959," under *Polyschides (Platyschides) virginalis* by Habe (1977: 342).

(39) *Entalina majestica* Kira, 1959

1954–1958 (CISJ): *Entalina majestica* Kuroda, MS.; p. 80, pl. 40, fig. 3 [*nom. nud.*].

*1959 (CISJ): *Entalina majestica* Kuroda, MS.; p. 105, pl. 40, fig. 3 [with short description in Japanese].

1960–1963 (CISJ): *Entalina majestica* Kira; p. 105, pl. 40, fig. 3.

1962–1968 (SWPC): *Entalina majestica* Kira; p. 116, pl. 41, fig. 3.

1965–1989 (CISJ): *Entalina quadriangularis [sic]* (Boissevain); p. 105, pl. 40, fig. 3.

Taxonomic note: Listed as synonym of *Entalina quadriangularis* [error for *quadrangularis*] Boissevain, 1906, by Habe (1964: 39; 1977: 339), and of *E. quadrangularis* by Habe & Kosuge (1964b: 8).

Dentaliidae

(40) *Dentalium (Episiphon) candelatium* Kira, 1959

1954–1958 (CISJ): *Dentalium (Episiphon) candelatium* Kuroda, MS.; p. 80, pl. 40, fig. 5 [*nom. nud.*].

*1959 (CISJ): *Dentalium (Episiphon) candelatium*

Kuroda, MS.; p. 105, pl. 40, fig. 5 [with short description in Japanese].

1960–1963 (CISJ): *Dentalium (Episiphon) candelatium* Kira; p. 105, pl. 40, fig. 5.

1962–1968 (SWPC): *Episiphon candelatium* (Kira); p. 116, pl. 41, fig. 5.

1965–1989 (CISJ): *Episiphon candelatium* (Kira); p. 105, pl. 40, fig. 5.

(41) *Dentalium (Pictodentalium) formosum hirasei* Kira, 1959

1954–1958 (CISJ): *Dentalium formosum* Adams et Reeve; p. 80, pl. 40, fig. 11.

*1959 (CISJ): *Dentalium (Pictodentalium) formosum hirasei* Kuroda, MS.; p. 105, pl. 40, fig. 11 [with short description in Japanese].

1960–1963 (CISJ): *Dentalium (Pictodentalium) formosum hirasei* Kira; p. 105, pl. 40, fig. 11.

1962–1968 (SWPC): *Pictodentalium formosum hirasei* (Kira); p. 117, pl. 41, fig. 11.

1965–1989 (CISJ): *Dentalium (Pictodentalium) formosum hirasei* (Kira); p. 105, pl. 40, fig. 11.

Taxonomic note: Placed in synonymy of *Dentalium formosum* Adams & Reeve, 1850, by Habe (1964: 15; 1977: 332) and Habe & Kosuge (1964b: 4).

(42) Genus-group name *Pictodentalium*

Taxonomic note: With his introduction of *Dentalium formosum hirasei*, Kira (1959 and following years, see above) used the genus-group name "*Pictodentalium*," without description or indication that it was new. Authorship for this name was credited to Kira (1959) by Habe & Kosuge (1964b: 4) and Palmer (1974: 118); the latter lists *D. formosum hirasei* as type species. However, Kira's use of the name does not fulfill the ICZN requirements [Articles 13(a),(e), criteria of availability to be satisfied by new names published after 1930], and *Pictodentalium* Kira has to be considered a *nomen nudum*. As ICZN Article 13(a)(i) does not apply any degree to differentiation, the name might date from Palmer (1974: 118) who lists the name for a group comprising "the multicoloured dentaliids."

BIVALVIA

Nuculidae

(43) *Acila schencki* Habe, 1958 [1958b, Publ. Seto Mar. Biol. Lab., 6(3): 243]

1954–1958 (CISJ): *Acila schencki* Kuroda, MS.; p. 83, pl. 41, fig. 6 [*nom. nud.*].

- 1959 (CISJ): *Acila schencki* Kuroda, MS. [sic]; p. 107, pl. 41, fig. 6.
 1960–1963 (CISJ): *Acila schencki* Kira [sic]; p. 107, pl. 41, fig. 6.
 1962–1968 (SWPC): *Acila schencki* Kira [sic]; p. 119, pl. 42, fig. 6.
 1965–1989 (CISJ): *Acila schencki* Kuroda [sic]; p. 107, pl. 41, fig. 6.

Taxonomic note: Habe (1958b: 243) lists this as "*Acila schencki* Kuroda (MS)," and in synonymy shows that it is "*Acila divaricata submirabilis* Makiyama" Schenck, 1936, non Makiyama, 1926 (p. 151, pl. 12, fig. 9). As there is a description of *submirabilis* in Schenck (1936: 88–90), the name *A. schencki* is here considered valid as of Habe (1958) [ICZN Art. 13(a)(ii)]. Habe (1977: 15) lists it as "*Acila (Acila) divaricata schencki* Kira, 1959."

Nuculanidae

- (44) *Nuculana (Thestyleda) acinacea* Habe, 1958 [1958b, Publ. Seto Mar. Biol. Lab., 6(3): 247]

- 1954–1958 (CISJ): *Nuculana (Thestyleda?) acinacea* Habe, MS.; p. 83, pl. 41, fig. 9 [nom. nud.].
 1959 (CISJ): *Nuculana (Thestyleda?) acinacea* Habe, MS. [sic]; p. 107, pl. 41, fig. 9.
 1960–1963 (CISJ): *Nuculana (Thestyleda?) acinacea* Habe; p. 107, pl. 41, fig. 9.
 1965–1989 (CISJ): *Nuculana (Thestyleda) acinacea* Habe; p. 107, pl. 41, fig. 9.
 1962–1968 (SWPC): *Nuculana (Thestyleda) acinacea* Habe; p. 119, pl. 42, fig. 9.

Limopsidae

- (45) *Limopsis tajimae emphaticus* Kira, 1959

- 1954a (CISJ): *Limopsis tajimae emphaticus* Kuroda, MS.; p. 88, pl. 44, fig. 4 [nom. nud.].
 1954b–1958 (CISJ): *Limopsis tajimae emphaticus* Kira [sic], MS.; p. 88, pl. 44, fig. 4 [nom. nud.].
 *1959 (CISJ): *Limopsis tajimae emphaticus* Kira; p. 112, pl. 44, fig. 4 [with short description in Japanese].
 1960–1989 (CISJ): *Limopsis tajimae emphaticus* Kira; p. 112, pl. 44, fig. 4.
 1962–1968 (SWPC): *Limopsis tajimae emphaticus* Kira; p. 125, pl. 45, fig. 4.

Taxonomic note: Listed in synonymy of *Limopsis tajimae* Sowerby, 1914, by Kuroda et al. (1971: 338) and Habe (1977: 48).

Cardiidae

- (46) *Fragum loochooanum* Kira, 1959

- 1954a (CISJ): *Fragum loochooanus* Kuroda, MS.; p. 108, pl. 54, fig. 13 [nom. nud.].
 1954b–1958 (CISJ): *Fragum loochooanum* Kuroda, MS.; p. 108, pl. 54, fig. 13 [nom. nud.].
 *1959 (CISJ): *Fragum loochooanum* Kuroda, MS.; p. 137, pl. 54, fig. 13 [with short description in Japanese].
 1960–1989 (CISJ): *Fragum [sic] loochooanum* Kira; p. 137, pl. 54, fig. 13.
 1962–1968 (SWPC): *Fragum loochooanum* Kira; p. 154, pl. 55, fig. 13.

- (47) *Clinocardium uchidai* Habe, 1955 [Publ. Akkeshi Mar. Biol. Stat., 4: 11, pl. 2, figs. 5, 6]

- 1954–1955 (CISJ): *Clinocardium uchidai* Habe, MS.; p. 111, pl. 55, fig. 1 [nom. nud.].
 1957–1958 (CISJ): *Clinocardium uchidai* Habe, MS. [sic]; p. 111, pl. 55, fig. 1.
 1959 (CISJ): *Clinocardium uchidai* Habe, MS. [sic]; p. 138, pl. 55, fig. 1.
 1960–1989 (CISJ): *Clinocardium uchidai* Habe; p. 138, pl. 55, fig. 1.
 1965–1968b (SWPC): *Clinocardium uchidai* Habe; p. 156, pl. 56, fig. 1.

Taxonomic note: Placed in synonymy of *Clinocardium californiense* (Deshayes, 1839) by Habe (1977: 172).

- (48) *Vasticardium compunctum* Kira, 1959

- 1954–1958 (CISJ): *Vasticardium compunctum* Kuroda, MS.; p. 111, pl. 55, fig. 9 [nom. nud.].
 *1959 (CISJ): *Vasticardium compunctum* Kuroda, MS.; p. 139, pl. 50, fig. 9 [with short description in Japanese].
 1960–1989 (CISJ): *Vasticardium compunctum* Kira; p. 139, pl. 55, fig. 9.
 1962–1968 (SWPC): *Vasticardium compunctum* Kira; p. 156, pl. 56, fig. 9.

- (49) "*Vasticardium serricostatum*"

- 1954–1958 (CISJ): *Vasticardium serricostatum* Kuroda, MS.; p. 111, pl. 55, fig. 11 [nom. nud.].
 1959 (CISJ): *Vasticardium serricostatum* Kuroda, MS.; p. 139, pl. 55, fig. 11 [with short description in Japanese].
 1960–1963 (CISJ): *Vasticardium serricostatum* Melvill et Standen [sic], var.; p. 139, pl. 55, fig. 11.
 1962–1968 (SWPC): *Vasticardium okinawaense* Kuroda; p. 157, pl. 56, fig. 11.
 1965–1989 (CISJ): *Vasticardium okinawaense* Kuroda; p. 139, pl. 55, fig. 11.

Taxonomic note: The name "*serricostatum* Kuroda" is an error for what was meant to be described as a variety of *Cardium (Trachycar-*

dium serricostatum Melvill & Standen, 1899 (p. 191, pl. 11, fig. 20). It was subsequently named by Kuroda (1960: 82) as "*Trachycardium (Acrosterigma) {serricostatum Melvill & Standen var?} okinawaense* Kuroda (nov.)," referring to Kira's illustration (1959: pl. 55, fig. 11). Peculiarly, Fischer-Piette (1977) lists "*Vasticardium serricostatum* Kuroda" as illustrated by Kira (1955) in the synonymy of *Laevicardium (Vasticardium) flavum* (Linné, 1758), but has "*Vasticardium okinawaense* Kuroda" as illustrated by Kira (1962), using the same figure, in synonymy with *Cardium enode* Sowerby, 1834.

Veneridae

(50) *Leukoma japonica* Kira, 1954

1954a (CISJ): *Leucoma [sic] japonica* Kira, MS.; p. 115, pl. 57, fig. 17 [*nom. nud.*].

*1954a (CISJ): *Leukoma japoniac [sic]* sp. nov.; p. 163.

1954b–1958 (CISJ): *Leukoma japonica* Kira, MS. [*sic*]; p. 115, pl. 57, fig. 17.

1954b–1958 (CISJ): *Leukoma japonica* Kira sp. nov. [*sic*]; p. 163.

1959–1963 (CISJ): *Leukoma japonica* Kira; p. 147, pl. 57, fig. 17.

1962–1968 (SWPC): *Glycydonta marica japonica* (Kira); p. 164, pl. 58, fig. 17.

1965–1989 (CISJ): *Glycydonta marica japonica* (Kira); p. 147, pl. 57, fig. 17.

Taxonomic note: As "*Leuboma [sic] marica japonica* Kira, 1954," placed in synonymy of *Glycydonta marica* (Linné, 1758) by Habe (1977: 250).

(51) *Irus ishibashianus* Kuroda & Habe, 1952 [Check List: 21]

1954–1958 (CISJ): *Irus ishibashianus* Kuroda et Habe; p. 115, pl. 57, fig. 25.

1959 (CISJ): *Irus ishibashianus* Kuroda, MS. [*sic*]; p. 148, pl. 57, fig. 25.

1960–1963 (CISJ): *Irus ishibashianus* Kuroda et Habe; p. 148, pl. 57, fig. 25.

1962–1968 (SWPC): *Notirus ishibashianus* (Kuroda et Habe); p. 165, pl. 58, fig. 25.

1965–1989 (CISJ): *Notirus ishibashianus* Kuroda et Habe; p. 148, pl. 57, fig. 25.

Taxonomic note: Kuroda & Habe (1952: 21) introduced this as a new name for "*Venerupis irus* (Linné)," Yokoyama, 1924 (1924: 44, pl. 2, fig. 23), *non Donax irus* Linné, 1758. Kuroda et al. (1971: 427), Hanshin Shell Club (1986: 45), Inaba & Oyama (1977: 52), and Habe (1977: 268) list it as of Kuroda & Habe,

1952. Habe (1981: 166) lists it as of Kira (1959).

Asaphidae/Psammobiidae [depending on printing]

(52) *Solecortus dunkeri* Kira, 1959

1954–1958 (CISJ): *Solecortus dunkeri* Kuroda, MS.; p. 116, pl. 58, fig. 22 [*nom. nud.*].

*1959 (CISJ): *Solecortus dunkeri* Kuroda, MS.; p. 152, pl. 58, fig. 22 [with short description in Japanese].

1960–1963 (CISJ): *Solecortus dunkeri* Kira; p. 152, pl. 58, fig. 22.

1962–1968 (SWPC): *Solecortus dunkeri* Kira; p. 169, pl. 59, fig. 22.

1965–1989 (CISJ): *Solecortus dunkeri* Kuroda, MS. [*sic*]; p. 152, pl. 58, fig. 22.

Taxonomic note: Listed in synonymy of *Solecortus divaricatus* (Lischke, 1869) by Habe (1977: 224).

(53) *Nuttallia solida* Kira, 1953 [Venus, 17(3): 149, figs. 1c, 1d, 2c]

1954–1958 (CISJ): *Nuttallia solida* Kira; p. 119, pl. 59, fig. 10.

1959–1989 (CISJ): *Nuttallia solida* Kira; p. 154, pl. 59, fig. 10.

1962–1968 (SWPC): *Nuttallia solida* Kira; p. 171, pl. 60, fig. 10.

Taxonomic note: Listed in synonymy of *Nuttallia japonica* (Reeve, 1857) by Habe (1977: 224).

Tellinidae

(54) *Heteromacoma oyamai* Kira, 1954

1954a (CISJ): *Heteromacoma oyamai* Kira, MS.; p. 119, pl. 59, fig. 21 [*nom. nud.*].

*1954a (CISJ): *Heteromacoma oyamai* sp. nov.; p. 164.

1954b–1958 (CISJ): *Heteromacoma oyamai* Kira, MS. [*sic*]; p. 119, pl. 59, fig. 21.

1954b–1958 (CISJ): *Heteromacoma oyamai* Kira sp. nov. [*sic*]; p. 164.

1959 (CISJ): *Heteromacoma oyamai* Kira; p. 155, pl. 59, fig. 21.

1960–1963 (CISJ): *Macoma oyamai* (Kira); p. 155, pl. 59, fig. 21.

1962–1968 (SWPC): *Heteromacoma oyamai* Kira; p. 172, pl. 60, fig. 21.

1965–1989 (CISJ): *Heteromacoma oyamai* (Kira); p. 155, pl. 59, fig. 21.

Taxonomic note: Listed as *Heteromacoma irus oyamai* Kira, 1959, by Habe (1977: 210).

Unionidae

(55) *Lanceolaria oxyrhyncha cuspidata* Kira, 1959

1954–1958 (CISJ): *Lanceolaria oxyrhyncha cuspidata* Kuroda, MS.; 127, pl. 63, fig. 18 [nom. nud.].

*1959 (CISJ): *Lanceolaria oxyrhyncha cuspidata* Kuroda, MS.; p. 172, pl. 63, fig. 18 [with short description in Japanese].

1960–1989 (CISJ): *Lanceolaria oxyrhyncha cuspidata* Kira; p. 172, pl. 63, fig. 18.

1962–1968 (SWPC): *Lanceolaria oxyrhyncha cuspidata* Kira; p. 187, pl. 64, fig. 18.

Taxonomic note: Listed in synonymy of *Lanceolaria grayana* (Lea, 1834) by Habe (1977: 115).

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