

Die Typen und Typoide des Natur-Museums Senckenberg, 70¹⁾:

Mollusca: Pupillacea (3)²⁾: Vertiginidae: Nesopupinae.

Von

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† **Glandicula** SANDBERGER 1874.

— **tiarula** (SANDBERGER 1858).

1889 *Vertigo (Glandicula) tiarula*, — O. BOETTGER, Jb. Nassau. Ver. Naturkde., 42: 290.

1959 *Glandicula tiarula*, — ZILCH in WENZ, Hdb. Pal., 6 (2, 1): 150/151, Abb. 504.

Ob. Oligozän (Chatt, Landschneckenkalk): Hochheim-Flörsheim. Slg. O. BOETTGER [Orig. fig. SMF 152518a/2].

Staurodon R. T. LOWE 1852.

— **saxicola** (R. T. LOWE 1852).

1852 *Pupa saxicola* R. T. LOWE, Ann. Mag. nat. Hist., (2) 9: 278.

Madeira. Slg. EHRMANN ex PRESTON [„Cotyp“ SMF 54021/3].

† **Ptychalaea** O. BOETTGER 1889.

— **flexidens flexidens** (REUSS 1860).

1870 *Vertigo (Vertigo) flexidens*, — O. BOETTGER, Jb. kk. geol. Reichsanst. Wien, 20: 296.

1889 *Vertigo (Ptychalaea) flexidens*, — O. BOETTGER, Jb. Nassau. Ver. Naturkde., 42: 293, T. 7 F. 1.

1959 *Ptychalaea flexidens*, — ZILCH in WENZ, Hdb. Pal., 6 (2, 1): 150/151, Abb. 506.

U. Miozän (Aquitän, Corbicula-Sch.). Appenheim, Rheinhessen. Slg. O. BOETTGER [Belege verschollen].

U. Miozän (Burdigal). Tuchorschitz/N-Böhmen. Slg. O. BOETTGER [Orig. 1959 Abb. 506 = SMF 12-1715a/4].

¹⁾ 69: Mollusca: Muricidae: Rapaninae: *Stenomphalus*. — Arch. Moll., 113 (1982): 93-101, Taf. 10. Frankfurt a. M. 1983.

²⁾ Mollusca: Pupillacea 2 (Valloniidae, Pleurodiscidae). — Arch. Moll., 99: 221-245, Taf. 2-5. Frankfurt a. M. 1969.

Ptychalaea

— ***flexidens giron dica*** (O. BOETTGER 1889).

1889 *Vertigo* (*Ptychalaea*) *flexidens* var. *giron dica* O. BOETTGER, Jb. nassau. Ver. Naturkde., 42: 294.

U. Miozän (Aquitän). Saucats bei Bordeaux (Dép. Gironde). Slg. O. BOETTGER [Orig. verschollen].

Lyropupa PILSBRY 1900.

***Lyropupa* (*Mirapupa*)** PILSBRY & COOKE 1920.

— — ***costata costata*** (PEASE 1871).

1926 *Lyropupa costata*, — PILSBRY & COOKE, M. C., (2) 27 (108): 224.

Hawaiian Ids. (Hawaii): Waiaha. C. M. COOKE ex Bishop Mus. (42677) [SMF 3311/2].

(*kahoolavensis* PILSBRY & COOKE 1920).

1920 *Lyropupa* [*Mirapupa*] *kahoolavensis* PILSBRY & COOKE, M. C., (2) 25 (100): 256.

1926 *Lyropupa costata*, — PILSBRY & COOKE, M. C., (2) 27 (108): 224.

Hawaiian Ids. (Kahoolawe): Hakioawa. C. M. COOKE ex Bishop Mus. (36009) [Paratypen SMF 3296/2].

— — ***costata puukolekolensis*** PILSBRY & COOKE 1920.

1920 *Lyropupa* [*Mirapupa*] *kahoolavensis puukolekolensis* PILSBRY & COOKE, M. C., (2) 25 (100): 258.

Hawaiian Ids. (Molokai): Puukolekole. C. M. COOKE ex Bishop Mus. (15923) [Paratypus SMF 3302].

— — ***cyrta*** COOKE & PILSBRY 1920.

1920 *Lyropupa* [*Mirapupa*] *cyrta* COOKE & PILSBRY, M. C., (2) 25 (100): 268.

Hawaiian Ids. (Hawaii): Mana. C. M. COOKE ex Bishop Mus. (36707) [Paratypen SMF 3314/2].

— — ***micra micra*** COOKE & PILSBRY 1920.

1920 *Lyropupa* [*Mirapupa*] *micra* COOKE & PILSBRY, M. C., (2) 25 (100): 263.

Hawaiian Ids. (Oahu): Kaelepupa. C. M. COOKE ex Bishop Mus. (11092) [Paratypus SMF 3301].

— — ***micra maunaloae*** COOKE & PILSBRY 1920.

1920 *Lyropupa* [*Mirapupa*] *micra maunaloae* COOKE & PILSBRY, M. C., (2) 25 (100): 264.

Hawaiian Ids. (Molokai): Mauna Loa. C. M. COOKE ex Bishop Mus. (37487) [Topotypen SMF 3309/2].

Lyropupa (Mirapupa)

— — ***micra percostata*** PILSBRY & COOKE 1920.

1920 *Lyropupa* [*Mirapupa*] *micra percostata* PILSBRY & COOKE, M. C., (2) 25 (100): 264.

Hawaiian Ids. (Oahu): Kaelepulu, Kailua. C. M. COOKE ex Bishop Mus. (11104) [Paratypus SMF 3293].

— — ***ovatula ovatula*** COOKE & PILSBRY 1920.

1920 *Lyropupa* [*Mirapupa*] *ovatula* COOKE & PILSBRY, M. C., (2) 25 (100): 265.

Hawaiian Ids. (Oahu): Manoa (fossil). C. M. COOKE ex Bishop Mus. (45281) [SMF 3315/3].

— — ***ovatula kona*** PILSBRY & COOKE 1920.

1920 *Lyropupa* [*Mirapupa*] *ovatula kona* PILSBRY & COOKE, M. C., (2) 25 (100): 266.

Hawaiian Ids. (Hawaii): North Kona at Huehue. C. M. COOKE ex Bishop Mus. (42599) [Paratypus SMF 3295].

— — ***ovatula moomomiensis*** PILSBRY & COOKE 1926.

1926 *Lyropupa ovatula moomomiensis* PILSBRY & COOKE, M. C., (2) 27 (108): 225.

Hawaiian Ids. (Molokai): Moomomi, Kaiahu (pleistocene). C. M. COOKE ex Bishop Mus. (52358) [Topotypus SMF 3318].

— — ***perlonga perlonga*** (PEASE 1871).

1920 *Lyropupa* [*Mirapupa*] *perlonga*, — COOKE & PILSBRY, M. C., (2) 25 (100): 258.

Hawaiian Ids. (Oahu). C. M. COOKE ex Bishop Mus. (21939) [SMF 3298/2].

(*cylindrata* PILSBRY & COOKE 1920).

1920 *Lyropupa* [*Mirapupa*] *perlonga* Form *cylindrata* PILSBRY & COOKE, M. C., (2) 25 (100): 261.

Hawaiian Ids. (Oahu): Makua. C. M. COOKE ex Bishop Mus. (42944) [Paratypen SMF 3297/2].

— — ***perlonga filocostata*** COOKE & PILSBRY 1920.

1920 *Lyropupa* [*Mirapupa*] *perlonga filocostata* COOKE & PILSBRY, M. C., (2) 25 (100): 262.

Hawaiian Ids. (Kauai): Limahuli. C. M. COOKE ex Bishop Mus. (15677) [Paratypen SMF 3317/3].

— — ***perlonga interrupta*** PILSBRY & COOKE 1920.

1920 *Lyropupa* [*Mirapupa*] *perlonga interrupta* PILSBRY & COOKE, M. C., (2) 25 (100): 261.

Hawaiian Ids. (Oahu): Coral Bluff, 1½ mi. W of Kahuku. C. M. COOKE ex Bishop Mus. (33447) [Paratypen SMF 3294/5].

Lyropupa (Mirapupa)

— — **thaumasia** COOKE & PILSBRY 1920.

1920 *Lyropupa [Mirapupa] thaumasia* COOKE & PILSBRY, M. C., (2) 25 (100): 270.

Hawaiian Ids. (Kauai): Hana Lapi'ai. C. M. COOKE ex Bishop Mus. (15575) [Paratypen SMF 3299/2].

***Lyropupa (Lyropupa)* s. str.**

— — **lyrata fossilis** COOKE & PILSBRY 1920.

1920 *Lyropupa lyrata fossilis* COOKE & PILSBRY, M. C., (2) 25 (100): 237.

Hawaiian Ids. (Oahu): Pleistocene deposits, Manoa. C. M. COOKE ex Bishop Mus. (45279) [Paratypen SMF 3303/2].

— — **lyrata uncifera** COOKE & PILSBRY 1920.

1920 *Lyropupa lyrata uncifera* COOKE & PILSBRY, M. C., (2) 25 (100): 236.

Hawaiian Ids. (Oahu): Coral Bluff, 1½ mi. W of Kahuku. C. M. COOKE ex Bishop Mus. (33449) [Paratypus SMF 3304].

— — **microthauma** ANCEY 1904.

(1904 *Lyropupa microthauma* ANCEY, Proc. malac. Soc. Lond., 6: 126.)

1920 *Lyropupa microthauma*, — PILSBRY & COOKE, M. C., (2) 25 (100): 238.

Hawaiian Ids. (Oahu): Nuuanu. C. M. COOKE ex Bishop Mus. (20455) [Topotypus SMF 3313].

— — **prisca** ANCEY 1904.

1904 *Lyropupa magdalenae* var. *prisca* ANCEY, J. of Malac., 11: 68.

1920 *Lyropupa prisca*, — PILSBRY & COOKE, M. C., (2) 25 (100): 243.

Hawaiian Ids. (Hawaii): Pleistocene deposits at Mana. C. M. COOKE ex Bishop Mus. (36708) [Paratypen SMF 3292/3].

— — **rhabdota rhabdota** COOKE & PILSBRY 1920.

1920 *Lyropupa rhabdota* COOKE & PILSBRY, M. C., (2) 25 (100): 239.

Hawaiian Ids. (Molokai): Pelekunu. C. M. COOKE ex Bishop Mus. (24871) [Paratypus SMF 3307].

— — **rhabdota baldwiniana** COOKE 1920.

1920 *Lyropupa rhabdota baldwiniana* COOKE in PILSBRY & COOKE, M. C., (2) 25 (100): 241.

Hawaiian Ids. (W-Maui): Iao. C. M. COOKE ex Bishop Mus. (38949) [Paratypus SMF 3308].

— — **rhabdota lanaiensis** COOKE 1920.

1920 *Lyropupa rhabdota lanaiensis* COOKE in PILSBRY & COOKE, M. C., (2) 25 (100): 241.

Lyropupa (Lyropupa)

Hawaiian Ids. (Lanai). C. M. COOKE ex Bishop Mus. (34182) [Paratypus SMF 3306].

— — **thaanumi** COOKE & PILSBRY 1920.

1920 *Lyropupa thaanumi* COOKE & PILSBRY, M. C., (2) 25 (100): 242.

Hawaiian Ids. (E-Maui): Auwahi. C. M. COOKE ex Bishop Mus. (36896) [Paratypus SMF 3305].

Lyropupa (Lyropupilla) PILSBRY & COOKE 1920.

— — **antiqua** COOKE & PILSBRY 1920.

1920 *Lyropupa [Lyropupilla] antiqua* COOKE & PILSBRY, M. C., (2) 25 (100): 250.

Hawaiian Ids. (Oahu): Pleistocene deposits along the Upper Manoa Road. C. M. COOKE ex Bishop Mus. (45280) [Paratypus SMF 3319].

— — **hawaiiensis** ANCEY 1904.

1904 *Lyropupa mirabilis* var. *hawaiiensis* ANCEY, J. of Malac., 11: 68.

1920 *Lyropupa [Lyropupilla] hawaiiensis*, — COOKE & PILSBRY, M. C., (2) 25 (100): 251.

Hawaiian Ids. (Hawaii): Palihoukapapa. C. M. COOKE ex Bishop Mus. (36656) [Paratypus SMF 3321].

— — **mirabilis** (ANCEY 1890).

1920 *Lyropupa [Lyropupilla] mirabilis*, — COOKE & PILSBRY, M. C., (2) 25 (100): 249.

Hawaiian Ids. (Oahu): Waianae Mts., Palehua. C. M. COOKE ex Bishop Mus. (33080) [SMF 3310/2].

— — **spaldingi** PILSBRY & COOKE 1920.

1920 *Lyropupa [Lyropupilla] spaldingi* PILSBRY & COOKE, M. C., (2) 25 (100): 248.

Hawaiian Ids. (Oahu): Waianae Mts., Puu Kaua. C. M. COOKE ex Bishop Mus. (37192) [Paratypus SMF 3312].

Nesopupa PILSBRY 1900.

Nesopupa (Nesopupa) s. str.

— — **eapensis** (O. BOETTGER 1880).

1880 *Pupa eapensis* O. BOETTGER in MARTENS, Conch. Mitth., 1 (4): 56, T. 11 F. 11 [coll. Mus. GODEFFROY].

1900 *Vertigo (Ptychochilus eapensis (rectius yapensis))*, — MOELLENDORFF, J. of Malac., 7: 112.

Palau-Inseln: Coroere. ex KUBARY [SMF 1804 Slg. O. BOETTGER ex MOELLENDORFF 1885 (als *yapensis* var. nov.); SMF 1820/2 Slg. MOELLENDORFF].

Nesopupa (*Nesopupa*)

— — **novopommerana** I. RENSCH 1932.

1932 *Nesopupa novopommerana* I. RENSCH, Zool. Anz., 98 (1/2): 35.

Neu-Pommern: Weite Bucht: Karlei. ex I. RENSCH 1932 ex P. SCHNEIDER [Paratypus SMF 6040].

— — **ponapica** (MOELLENDORFF 1900).

1900 *Vertigo* (*Ptychochilus*) *ponapica* MOELLENDORFF, J. of Malac., 7 (5): 113.

1920 *Nesopupa* [*Nesopupa*] *ponapica*, — PILSBRY, M. C., (2) 25 (100): 336.

Karolinen: Mpomp, Ponape. Slg. MOELLENDORFF ex KUBARY [Lectotypus SMF 4668, Paratypen SMF 4669/7].

— — **quadrasi quadrasi** (MOELLENDORFF 1894).

1894 *Vertigo* (*Ptychochilus*) *quadrasi* MOELLENDORFF in QUADRAS & MOELLENDORFF, Nachr. Bl., 26: 17.

1920 *Nesopupa* [*Nesopupa*] *quadrasi*, — PILSBRY, M. C., (2) 25 (100): 335.

Marianen: Guam. Slg. MOELLENDORFF ex QUADRAS [Lectotypus SMF 4670a; Paratypen SMF 4670b/7, 4671/10 Slg. O. BOETTGER 1890].

— — **quadrasi transaequatorialis** I. RENSCH 1932.

1932 *Nesopupa quadrasi transaequatorialis* I. RENSCH, Zool. Anz., 98 (1/2): 36.

Neu-Pommern: Malkong-Bach, Weite Bucht. ex I. RENSCH 1932 ex P. SCHNEIDER [Paratypus SMF 6039].

— — **tongana** (O. BOETTGER 1880).

1880 *Pupa* [*Ptychochilus*] *tantilla* subsp. *tongana*, O. SEMPER' O. BOETTGER in MARTENS, Conch. Mitth., 1 (4): 54, T.10 F. 6, T. 11 F. 7.

1920 *Nesopupa* [*Nesopupa*] *tongana*, — PILSBRY, M. C., (2) 25 (100): 331, T. 31 F. 15-16 [Kopie].

Tonga-Gruppe: Insel Tongatabu. Slg. O. BOETTGER ex Mus. GODEFFROY [Lectotypus SMF 1803; Paratypen: SMF 1802, 52258 Slg. MOELLENDORFF].

***Nesopupa* (*Nesopupilla*)** PILSBRY & COOKE 1920.

— — **baldwini baldwini** ANCEY 1904.

1904 *Nesopupa baldwini* ANCEY, Proc. malac. Soc. Lond., 6: 122.

1920 *Nesopupa* [*Nesopupilla*] *baldwini*, — PILSBRY & COOKE, M. C., (2) 25 (100): 287.

Hawaiian Ids. (E-Maui): Kaupakalua. C. M. COOKE ex Bishop Mus. (56045) [Paratypen SMF 3332/2].

— — **baldwini lanaiensis** PILSBRY & COOKE 1920.

1920 *Nesopupa* [*Nesopupilla*] *baldwini lanaiensis* PILSBRY & COOKE, M. C., (2) 25 (100): 289.

Hawaiian Ids. (Lanai). C. M. COOKE ex Bishop Mus. (34521) [Paratypus SMF 3343].

Nesopupa (Nesopupilla)

— — ***baldwini subcostata*** PILSBRY & COOKE 1920.

1920 *Nesopupa* [*Nesopupilla*] *baldwini subcostata* PILSBRY & COOKE, M. C., (2) 25 (100): 288.

Hawaiian Ids. (Molokai): Puunea. C. M. COOKE ex Bishop Mus. (33593) [Paratypus SMF 3340].

— — ***dispersa*** COOKE & PILSBRY 1920.

1920 *Nesopupa* [*Nesopupilla*] *dispersa* COOKE & PILSBRY, M. C., (2) 25 (100): 284.

Hawaiian Ids. (Oahu): Makua. C. M. COOKE ex Bishop Mus. (42942) [Paratype SMF 3330].

Hawaiian Ids. (Oahu): Rocky Hill. C. M. COOKE ex Bishop Mus. (39831) [Paratypes of Race A, SMF 3323/3].

Hawaiian Ids. (Oahu): Kahuku. C. M. COOKE ex Bishop Mus. (60068) [Topotypes of Race B, SMF 3324/2].

Hawaiian Ids. (Molokai): Kalaeokailia Pt. C. M. COOKE ex Bishop Mus. (40086) [Topotype of Race C, SMF 3325].

Hawaiian Ids. (Lanai): West end. C. M. COOKE ex Bishop Mus. (34714) [Paratype of Race D, SMF 3326].

Hawaiian Ids. (Kahoolawe): Kanapou. C. M. COOKE ex Bishop Mus. (36174) [Paratype of Race E, SMF 3327].

Hawaiian Ids. (Hawaii): Puuwaawaa. C. M. COOKE ex Bishop Mus. (39183) [Paratypes of Race F, SMF 3328/2].

— — ***litoralis*** COOKE & PILSBRY 1920.

1920 *Nesopupa* [*Nesopupilla*] *litoralis* COOKE & PILSBRY, M. C., (2) 25 (100): 283.

Hawaiian Ids. (Oahu): Ewa, Coral plain below „Sisal“. C. M. COOKE ex Bishop Mus. (35605) [Paratypen SMF 3333/3].

— — ***plicifera*** ANCEY 1904.

(1904 *Nesopupa plicifera* ANCEY, Proc. malac. Soc. Lond., 6: 122.)

1920 *Nesopupa* [*Nesopupilla*] *plicifera*, — PILSBRY & COOKE, M. C., (2) 25 (100): 280.

Hawaiian Ids. (Oahu): Nuuanu. C. M. COOKE ex Bishop Mus. (15346) [Topotypen SMF 3322/2].

— — ***waianaensis*** COOKE & PILSBRY 1920.

1920 *Nesopupa* [*Nesopupilla*] *waianaensis* COOKE & PILSBRY, M. C., (2) 25 (100): 281.

Hawaiian Ids. (Oahu): Waianae Mts., Pukaloa. C. M. COOKE ex Bishop Mus. (12454) [Paratypus SMF 3334].

Nesopupa (Nesopuparia) PILSBRY 1926.

— — ***norfolkensis*** (SYKES 1900).

1959 *Nesopupa (Nesopuparia) norfolkensis*, — ZILCH in WENZ, Hdb. Pal., 6 (2, 1): 152, Abb. 514.

Norfolk-Inseln. Slg. EHRMANN ex PRESTON [Orig. fig. SMF 52297/2].

***Nesopupa (Nesodagys)* COOKE & PILSBRY 1920.**

— — ***thaanumi*** ANCEY 1904.

(1904 *Nesopupa thaanumi* ANCEY, Proc. malac. Soc. Lond., 6: 123.)

1920 *Nesopupa* [*Nesodagys*] *thaanumi*, — COOKE & PILSBRY, M. C., (2) 25 (100): 304.

Hawaiian Ids. (Hawaii): Olaa. C. M. COOKE ex Bishop Mus. (33987)
[Topotypen SMF 3336/3].

— — ***wesleyana wesleyana*** ANCEY 1904.

1904 *Nesopupa wesleyana* ANCEY, Proc. malac. Soc. Lond., 6: 123.

1920 *Nesopupa* [*Nesodagys*] *wesleyana*, — COOKE & PILSBRY, M. C., (2) 25 (100): 299.

Hawaiian Ids. (Hawaii): Hilo, 4 mi. Olaa road. C. M. COOKE ex Bishop
Mus. (18707) [Paratypen SMF 3344/2; 109412/4 Slg. JETSCHEIN ex THAANUM].

f. ***gouveiae*** COOKE & PILSBRY 1920.

(1920 [*Nesopupa (Nesodagys) wesleyana*] Form *gouveiae* COOKE & PILSBRY, M. C.,
(2) 25 (100): 301 Nr. 13a.)

Hawaiian Ids. (Hawaii): Puuwaawaa. C. M. COOKE ex Bishop Mus. (50022)
[SMF 3331/2].

f. ***tryphera*** COOKE & PILSBRY 1920.

1920 [*Nesopupa (Nesodagys) wesleyana*] Form *tryphera* COOKE & PILSBRY, M. C., (2)
25 (100): 301 Nr. 13b.

Hawaiian Ids. (Oahu): Palolo. C. M. COOKE ex Bishop Mus. (15422) [Para-
typus SMF 3348].

— — ***wesleyana rhadina*** COOKE & PILSBRY 1920.

1920 *Nesopupa* [*Nesodagys*] *wesleyana rhadina* COOKE & PILSBRY, M. C., (2) 25 (100):
301.

Hawaiian Ids. (Molokai): Poholua. C. M. COOKE ex Bishop Mus. (35126)
[Paratypen SMF 3351/2].

***Nesopupa (Indopupa)* PILSBRY & COOKE 1920.**

† — — ***blumi*** (O. BOETTGER 1884).

1884 *Vertigo (Ptychochilus) blumi* O. BOETTGER, Ber. senckenb. naturf. Ges., 1884: 268,
T. 4 F. 8.

1920 *Nesopupa* [?*Indopupa*] *blumi*, — PILSBRY, M. C., (2) 25 (100): 379.

Ob. Miozän (Torton, Landschnecken-Mergel). Frankfurt a. M.-Niederrad
(Schleusenammer). Slg. O. BOETTGER [Lectotypus SMF 12.3017a, Paratypen
SMF 12.3017b/17].

Nesopupa (Indopupa)

— — **moellendorffi** (O. BOETTGER 1890).

1890 *Ptychochilus moellendorffi* O. BOETTGER in MOELLENDORFF, Ber. senckenb. naturf. Ges., 1890: 252, T. 9 F. 4.

1920 *Nesopupa [Indopupa] moellendorffi*, — PILSBRY, M. C., (2) 25 (100): 341, T. 32 F. 4-5 [Kopie].

Philippinen (Cebu): Mte. Licos. Slg. O. BOETTGER ex MOELLENDORFF 1887 [Holotypus Orig. fig. SMF 1798].

Philippinen: Insel Siquijor. [Paratypen SMF 4579a-b/2 Slg. O. BOETTGER + MOELLENDORFF].

Bemerkung: In Slg. MOELLENDORFF sind noch folgende Fundorte belegt: Insel Masbate [SMF 4652/2], Catanduanes [SMF 4653/9], Samal, Mindoro [SMF 4654/4], Caramuan, Camarines [SMF 4655/17].

— — **nannodes** PILSBRY 1920.

1898 *Vertigo nannodes* QUADRAS & MOELLENDORFF in MOELLENDORFF, Abh. naturf. Ges. Görlitz, 22: 152 [nom. nud.].

1920 *Nesopupa [Indopupa] nannodes*, QUADRAS & MOELLENDORFF, PILSBRY, M. C., (2) 25 (100): 341, T. 32 F. 13.

Philippinen (Insel Bohol): Cerro de Carmen á Vilar. Slg. MOELLENDORFF ex QUADRAS [Originalserie SMF 4638/4].

Nesopupa (Afripupa) PILSBRY & COOKE 1920.

— — **bisulcata** (JICKELI 1873).

1873 *Pupa bisulcata* JICKELI, Malak. Bl., 20: 107.

Abessinien: Rora-Beit-Andu, Prov. Hamaszen. ex JICKELI [Syntypen: SMF 4723/4 Slg. O. BOETTGER, 52270/1 Slg. MOELLENDORFF].

Abessinien: Bogos, Berg von Keren. ex JICKELI [Syntypen: SMF 4724/3 Slg. O. BOETTGER, 10642/2 Slg. REINHARDT].

— — **congoensis** DARTEVELLE 1952.

1952 *Nesopupa (Afripupa) congoensis* DARTEVELLE, J. de Conch., 92: 184.

Belg. Congo: Boma. ex DARTEVELLE 1937 [Paratypen SMF 103175/6].

Nesopupa (Insulipupa) PILSBRY & COOKE 1920.

— — **malayana samuiana** (MOELLENDORFF 1894).

1894 *Vertigo (Staurodon) moreleti* subsp. *samuiana* MOELLENDORFF, Proc. zool. Soc. Lond., 1894: 151.

1937 *Nesopupa (Insulipupa) malayana*, — HAAS, Arch. Moll., 69: 5.

Samui-Inseln (Golf von Siam). Slg. MOELLENDORFF ex ROEBELEN [Lectotypus SMF 52283a; Paratypen: SMF 52283b/6, 10778/2 Slg. O. BOETTGER ex MOELLENDORFF 1889].

Nesopupa (Insulipupa)

Bemerkung: HAAS (1937) hat die Syntypen-Serie der Slg. MOELLENDORFF und dessen Publikation (1894) übersehen und nur die Exemplare der Slg. O. BOETTGER erwähnt, die diesem zur Beurteilung übersandt und von ihm als *Staurodon samuiana* n. sp. bezeichnet worden waren.

— — **megalomastoma** (MALTZAN 1890).

1890 *Pupa (Staurodon) minutalis* var. *megalomastoma* [sic] MALTZAN, Nachr. Bl., 22: 48.

1920 *Nesopupa [Insulipupa] megalomastoma*, — PILSBRY, M. C., (2) 25 (100): 362 [nom. corr.].

Senegambien: [Nianing, Afric. occ. in silvis] Rufisque. Slg. O. BOETTGER ex MALTZAN 1881 [Syntypus SMF 4747].

— — **tenimberica** HAAS 1937.

1937 *Nesopupa (Insulipupa) takimberica* HAAS, Arch. Moll., 69: 4, T. 1 F. 5-6.

Tenimber-Inseln [Timorlaut]. Slg. O. BOETTGER ex MICHOLITZ 1892 [Holo-
typus SMF 10761, Paratypus SMF 10762].

Nesopupa (Infranesopupa) COOKE & PILSBRY 1920.

— — **anceyana** COOKE & PILSBRY 1920.

1920 *Nesopupa [Infranesopupa] anceyana* COOKE & PILSBRY, M. C., (2) 25 (100): 293.

Hawaiian Ids. (Hawaii): Oloa. C. M. COOKE ex Bishop Mus. (39300) [Para-
typus SMF 3350].

— — **dubitalis dubitalis** COOKE & PILSBRY 1920.

1920 *Nesopupa [Infranesopupa] dubitalis* COOKE & PILSBRY, M. C., (2) 25 (100): 291.

Hawaiian Ids. (Molokai): Poholua. C. M. COOKE ex Bishop Mus. (35150)
[Paratypus SMF 3337].

— — **dubitalis kaalaensis** COOKE & PILSBRY 1920.

1920 *Nesopupa [Infranesopupa] dubitalis kaalaensis* COOKE & PILSBRY, M. C., (2) 25
(100): 292.

Hawaiian Ids. (Oahu): Waianae Mts., Kaala. C. M. COOKE ex Bishop Mus.
(42720) [Paratypus SMF 3338].

— — **infrequens** COOKE & PILSBRY 1920.

(1920 *Nesopupa [Infranesopupa] infrequens* COOKE & PILSBRY, M. C., (2) 25 (100):
298.)

Hawaiian Ids. (Kauai): Halemanu. C. M. COOKE ex Bishop Mus. (48322)
[Topotypen SMF 3341/2].

Nesopupa (Infranesopupa)

— — **limatula** COOKE & PILSBRY 1920.

1920 *Nesopupa [Infranesopupa] limatula* COOKE & PILSBRY, M. C., (2) 25 (100): 290.

Hawaiian Ids. (E-Maui): Ainahou. C. M. COOKE ex Bishop Mus. (38489) [Paratypus SMF 3339].

— — **subcentralis** COOKE & PILSBRY 1920.

(1920 *Nesopupa [Infranesopupa] subcentralis* COOKE & PILSBRY, M. C., (2) 25 (100): 294.)

Hawaiian Ids. (Hawaii): Palihoukapapa. C. M. COOKE ex Bishop Mus. (36654) [Topotypen SMF 3352/5].

Nesopupa (Limbatipupa) COOKE & PILSBRY 1920.

— — **kauaiensis** ANCEY 1904.

(1904 *Nesopupa kauaiensis* ANCEY, Proc. malac. Soc. Lond., 6: 124.)

1920 *Nesopupa [Limbatipupa] kauaiensis*, — COOKE & PILSBRY, M. C., (2) 25 (100): 318.

Hawaii Ids. (Kauai): Kipu. C. M. COOKE ex Bishop Mus. (20733) [Topotypus SMF 3353]; ex Bishop Mus. (11102) [Small race, SMF 3329/5].

— — **newcombi** (L. PFEIFFER 1852).

1920 *Nesopupa [Limbatipupa] newcombi*, — COOKE & PILSBRY, M. C., (2) 25 (100): 307-314.

(*costulosa* PEASE 1872).

1872 *Vertigo costulosa* PEASE, Proc. zool. Soc. London, 1871: 462.

1880 *Pupa newcombi*, — O. BOETTGER in MARTENS, Conch. Mitth., 1 (4): 56, T. 11 F. 12, T. 12 F. 13.

Der Originalzettel der Slg. O. BOETTGER [SMF 1800/4] lautet: „*costulosa* PEASE = *newcombi* P. Hawaii. Orig.! comm. DOHRN“ — Danach deute ich die Exemplare als Syntypen von *costulosa*.

(*seminulum* O. BOETTGER 1880).

1880 *Pupa newcombi* var. *seminulum* O. BOETTGER in MARTENS, Conch. Mitth., 1 (4): 58, T. 12 F. 14 [non LOWE 1852].

1920 *Nesopupa [Limbatipupa] newcombi* Form *seminulum*, — COOKE & PILSBRY, (2) 25 (100): 314 Nr. 15a.

Hawaii. Slg. O. BOETTGER ex H. DOHRN [Lectotypus SMF 1799].

f. **angusta** COOKE & PILSBRY 1920.

1920 *Nesopupa [Limbatipupa] newcombi* Form *angusta* COOKE & PILSBRY, M. C., (2) 25 (100): 315 Nr. 15c.

Hawaiian Ids. (Kauai): Kipu. C. M. COOKE ex Bishop Mus. (20727) [Paratypus SMF 3354].

Nesopupa (Limbatipupa)

f. **multidentata** COOKE & PILSBRY 1920.

1920 *Nesopupa [Limbatipupa] newcombi* Form *multidentata* COOKE & PILSBRY, M. C., (2) 25 (100): 315 Nr. 15b.

Hawaiian Ids. (Oahu): Nuuanu, Glen Ada. C. M. COOKE ex Bishop Mus. (15316) [Paratypen SMF 3335/3].

— — **newcombi gnampata** COOKE & PILSBRY 1920.

1920 *Nesopupa [Limbatipupa] newcombi gnampata* COOKE & PILSBRY, M. C., (2) 25 (100): 317 Nr. 15f.

Hawaiian Ids. (Oahu): Nuuanu, Luakaha. C. M. COOKE ex Bishop Mus. (11100) [Paratypen SMF 3346/5].

— — **newcombi interrupta** COOKE & PILSBRY 1920.

1920 *Nesopupa [Limbatipupa] newcombi interrupta* COOKE & PILSBRY, M. C., (2) 25 (100): 315 Nr. 15d.

Hawaiian Ids. (Hawaii): Waiaha. C. M. COOKE ex Bishop Mus. (11098) [Paratypen SMF 3345/3].

f. **disjuncta** COOKE & PILSBRY 1920.

1920 *Nesopupa (Limbatipupa) newcombi* Form *disjuncta* COOKE & PILSBRY, M. C., (2) 25 (100): 317 Nr. 15e.

Hawaiian Ids. (Oahu): Waianae Mts., Mokuleia. C. M. COOKE ex Bishop Mus. (11099) [Paratypen SMF 3347].

— — **oahuensis** COOKE & PILSBRY 1920.

1920 *Nesopupa [Limbatipupa] oahuensis* COOKE & PILSBRY, M. C., (2) 25 (100): 317.

Hawaiian Ids. (Oahu): Nuuanu, Luhakaha Falls. C. M. COOKE ex Bishop Mus. (12559) [Paratypen SMF 3349/2].

— — **singularis** COOKE & PILSBRY 1920.

1920 *Nesopupa [Limbatipupa] singularis* COOKE & PILSBRY, M. C., (2) 25 (100): 320.

Hawaiian Ids. (Oahu): Kaliuwaa. C. M. COOKE ex Bishop Mus. (19842) [Paratypen SMF 3342].

Costigo O. BOETTGER 1891.

— **calamianica** PILSBRY 1920.

1891 [Eine zweite Art von *Costigo*, auf Busuanga] O. BOETTGER, Ber. senckenb. naturf. Ges., 1891: 270 [nur Kennzeichnung, ohne Name].

1898 *Vertigo [Costigo] calamianica* MOELLENDOFF, Abh. naturf. Ges. Görlitz, 22: 152 [nom., von Busuanga].

1920 *Costigo calamianica* (MOELLENDOFF) PILSBRY, M. C., (2) 25 (100): 367.

1937 *Pupisoma (Pupisoma) gracile* HAAS, Arch. Moll., 69: 9, T. 2 F. 21-23.

Philippinen (Calamianes Archipel): Insel Busuanga. Slg. O. BOETTGER ex MOELLENDORFF 1889 [Lectotypus SMF 10768a; Paratypus SMF 10768b].

Philippinen (Insel Luzon): Distr. Morong. Slg. O. BOETTGER ex MOELLENDORFF 1892 [Paratypus von *P. gracile* HAAS, SMF 10767].

Philippinen (Insel Luzon): Mts. de Bosoboso, an der Laguna de Bay. Slg. MOELLENDORFF ex QUADRAS [Holotypus von *P. gracile* HAAS, SMF 10766].

Bemerkung: Es ist offensichtlich, daß O. BOETTGER (1891) die als neue Art vom Calamianes-Archipel gekennzeichneten Exemplare, die er von MOELLENDORFF zur Begutachtung erhalten hatte, nicht benannte weil er seinem Freunde nicht zuvorkommen wollte. MOELLENDORFF hat diese Art 1898 als *calamianica* benannt, dabei aber die Kennzeichnung durch BOETTGER, auf die der Name sich bezog, nicht erwähnt. PILSBRY (1920) hat zuerst die Kennzeichnung durch O. BOETTGER und den Namen von MOELLENDORFF zusammen veröffentlicht und ist daher korrekterweise der Autor des Artnamens.

— **saparua** (O. BOETTGER 1891).

1891 *Vertigo (Costigo) saparua* O. BOETTGER, Ber. senckenb. naturf. Ges., 1891: 270, T. 3 F. 12-12a.

1959 *Costigo saparua*, — ZILCH in WENZ, Hdb. Pal., 6 (2, 1): 154, Abb. 523 [Kopie].

Molukken: Sirisori auf der Insel Saparua, S. von Ceram. ex ADOLF STRUBELL 1890 [Lectotypus SMF 4746a; Paratypen SMF 4746b/2 Slg. O. BOETTGER, 4745/5 Slg. MOELLENDORFF, 225691/15 Slg. BRUNO STRUBELL].

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