

MOLLUSCAN NOTES.

By HUGH C. FULTON.

Read 8th January, 1915.

No. 1.—STENOPYLIS, Fulton, Ann. Mag. Nat. Hist., vol. xiv,
p. 163, 1914.

IN my short paper quoted above, I omitted to note that Mr. Charles Hedley gave an account of the radula and jaw of *S. hemiclausa*, Tate, in the Appendix to Professor Tate's paper (Horn. Exped., Mollusca, 1896, p. 221). Professor Bavay informs me that his *S. microdiscus* has only $3\frac{1}{2}$ whorls, not $4\frac{1}{2}$ as depicted by the artist. As I can see no difference between this species and the previously described *S. hemiclausa* it falls into synonymy.

No. 2.—ENNEA AFFECTATA, Fulton, and E. ROSENBERGIANA, Preston.

Having had the opportunity of examining a co-type of *E. rosenbergiana*, Preston (Proc. Malac. Soc., vol. ix, p. 53, fig., 1910), I find it is identical with the shell described by me as *E. affectata* in vol. v, p. 32, 1902, of the same Proceedings. My specimens were obtained through Mr. Rosenberg, and formed part of the collection of the late Mr. A. Boucard, and were labelled "Zanzibar". Mr. Preston's specimens are said to have been collected in Angola, W. Africa, by Dr. Ansonge.

No. 3.—TOMIGERUS LÆVIS, Ihering.

I received from Mr. Dias da Rocha, collector of the type-specimens, some original specimens of *Tomigerus lævis*, Ihering (Proc. Malac. Soc., vol. vi, p. 197, 1905). I have no hesitation in pronouncing them to be simply dead and weathered examples of *Tomigerus clausus*, Spix (Testac. Brasil, 1827, pl. xv, figs. 4, 5). Although the corrugation on the last half-whorl is, owing to the worn condition, weaker than in *T. clausus*, it is clearly present in every one of the twelve specimens examined by me. The only difference between these two forms noted by von Ihering is that *lævis* is *smooth* and *white*. To me the loss of colour and smoothness has evidently been caused by weathering, and the type must have been a very worn specimen if it showed no signs of the corrugations characteristic of *T. clausus*.

No. 4.—CLAUSILIA FALCIFORMIS, var. MONTANA, Mölldff.

In the Nachr. deutsch. Malak. Gesell., 1901, p. 77, Dr. von Möllendorff described a Tonkin *Clausilia* under the above names. As no previous species has been described as *falciformis* I propose that the varietal name be dropped, and the species be known as *Cl. falciformis*, Mölldff. It is evident that Möllendorff intended to write *falcifera*, Bav. & Dtz. (Journ. de Conch., vol. xlvii, p. 290, pl. xii, fig. 10), a species to which *falciformis* is allied, but is, in my opinion, quite distinct; they are similar in form, but *falciformis* is much larger, of a darker coloration, and has a much coarser

crenulated suture; *falcifera* is almost smooth, whereas, under the lens, *falciformis* is seen to be very distinctly obliquely striated. The internal plaits are similar in both forms. This comparison has been made with original specimens of both species.

No. 5.—The Identity of *PTEROCYCLOS PRESTONI*, Bav. & Dtz., with
PTEROCYCLOS COCHINCHINENSIS, Pfr.

Comparison of original examples of *P. prestoni*, received from Colonel Messenger, with the type of *P. cochinchinensis* demonstrates that these two forms are identical. The colour of both is light yellowish brown; darker specimens with some irregular waved markings above and a peripheral narrow band of darker brown were named *P. prestoni*, var. *depicta*, Bav. & Dtz.; the larger specimens of this variety cannot, in my opinion, be distinguished from *Rhiostoma morleti*, Dtz. & Fisch.

Judging by shell characters and the manner in which various authorities have placed the same forms under different generic names, the position of the sutural tube, upon which character the genera *Pterocyclos*, *Rhiostoma*, and *Opisthoporus* are mainly founded, appears to be of little significance.

Synonymy of *Pterocyclos cochinchinensis*, Pfr.

1856. *Opisthoporus cochinchinensis*, Pfr., Proc. Zool. Soc., p. 337.

1865. *Pterocyclos cochinchinensis*, Pfr., Pneumonop. Viv., Supp., ii,
p. 37.

1891. *P. planorbulus*, Morlet (*non* Lamk.), Journ. de Conch.,
vol. xxxix, p. 247.

1905. *Rhiostoma morleti*, Dtz. & Fisch., Journ. de Conch., vol. liii,
p. 429, pl. x, figs. 1-4.

1908. *Pterocyclos prestoni*, Bav. & Dtz., Journ. de Conch., vol. lvi,
p. 248.

1908. *P. prestoni*, var. *depicta*, Bav. & Dtz., Journ. de Conch., vol. lvi,
p. 249.

Hab.—Cochinchina (Pfr.); Tonkin (Morlet, Mansuy, and Messenger);
Laos (Massie).

No. 6.—ON DR. ANTON WAGNER'S MONOGRAPH OF HELICINIDÆ IN THE
CONCHYLIEŒN-CABINET, 1911.

Whilst looking through the above work I was surprised to find that many species have been omitted, and thought a list of such, with the correction of some errors, might prove useful to others when consulting that monograph. Probably some of the omitted species, which number more than 100, are the same as some of the numerous new species created by Dr. Wagner.

In proposing a number of new genera and sub-genera for various sections of the Helicinidæ, Dr. Wagner has ignored many of those of previous authorities, as may be seen by consulting the *Manuel de Conchyliologie*, 1887, of Dr. Paul Fischer. The sectional names *Oxyrhombus* and *Pyrgodomus* of Crosse & Fischer (Miss. Sci. Mexique, Moll., ii, p. 399, 1893) have also been omitted.

The figures that illustrate this monograph look as though drawn by some mechanical devices, and have a most unnatural appearance. The following are corrections of a few errors that I have met with:—

- p. 205. *H. pelevensis*, Shykes, should be *pelewensis*, Sykes.
- p. 48. *H. brownei*, Gray, is put as a sub-species of *palliat*a, Ad., although Gray's species has twenty-five years priority over *palliat*a.
- p. 147. *H. exserta*, Marts., should be *sundiana*, Ancey (= *exserta*, Marts., non Gundl.), as proposed by Ancey in the *Nautilus*, vol. xiv, p. 84, 1900.
- p. 217. Dr. Wagner gives *H. baudinensis*, Smith, and states in a footnote, "ich verwechselte diese Art früher mit *H. walkeri* vom Festlande Australiens." I am informed by Mr. Edgar A. Smith himself that he never described any *Helicina* as *baudinensis*. Dr. Wagner, in his "Helicinenstudium" (Denk. Akad. Wien, 1905, p. 430), gave the correct name for the species in question, viz., *Helicina walkeri*, Smith (Proc. Malac. Soc., vol. i, p. 90, 1894). The localities given by Smith were Queens, Baudin, and Parry Islands. This species should therefore read, *H. walkeri*, Smith (= *baudinensis*, Wagner).
- p. 248. *Helicina rufocallosa*. This is incorrectly ascribed to E. R. Sykes. The species is really *H. rabei*, Pils., *Nautilus*, 1897, vol. xi, p. 34. Although Ancey, in the *Nautilus*, vol. xi, p. 87, 1897, claimed to have described a *H. rufocallosa* prior to *H. rabei*, Pils., I am unable to find any record of its publication, and it does not appear in the list of Ancey's species given by Geret in the *Journ. de Conch.*, 1909, p. 1.
- p. 259. *H. zoe*, var. *gebeana*, Smith. Mr. Smith assures me that he has never given a *Helicina* the name of *gebeana*; it should therefore bear Dr. Wagner's name as author.
- p. 262. *H. diversicolor*, Cox. This should read *H. draytonensis*, Pfr. (not *dryatonensis* as Dr. Wagner puts it), P.Z.S., 1856 (= *diversicolor*, Cox, P.Z.S., 1866).
- p. 296. *H. ghiesbrechti* should be *H. ghiesbreghti*.
- p. 343. *Lucidella foxi*, Pils. Add reference, *Nautilus*, vol. xxiii, p. 56, 1899.

The following list of omitted species is taken from Pfeiffer's Monog. Pneumonopomorum Viventium, Supp., iii, 1876, and the Zoological Record from 1879 to 1913:—

- anaguana*, Weindl., J. B. Malak. Ges., vol. vii, p. 352, 1880.
- antoni*, Pfr., Zeit. Malak., p. 88, 1848. Honduras.
- baldwini*, Ancey, Proc. Malac. Soc., vol. vi, p. 126, 1904. Kauai Island.
- berniceia*, Pils. & Cooke, Honolulu Occ. Papers, Bishop Mus., 1910. Hawaii.
- biangulata*, Pfr., Zeit. Malak., p. 192, 1850. Hab. ?
- bicolor*, Pfr., P.Z.S., p. 146, 1852. Tahiti.
- bitaniata*, Hartm., Proc. Acad. Nat. Sci. Philad., p. 286, 1890. Society Islands.

- bourailensis*, Hartm., Proc. Acad. Nat. Sci. Philad., p. 93, 1889.
New Caledonia.
- bullæ*, Pfr., P.Z.S., p. 145, 1852. Hab. ?
- cacaguelita*, Pils. & Clapp, Nautilus, vol. xv, p. 136, 1902. Colombia.
- candeana*, Orb., Voy. dans l'Amérique Mérid., p. 360, 1837. Caraccas.
- carinata*, Orb., Synopsis in Mag. Zool., Moll., p. 28, 1835. Bolivia.
- chrysocheila*, Binney, Terr. Moll. U.S., vol. ii, p. 354, 1851. Mexico.
- consors*, Ancey, Bull. Soc. Malac. Fr., vol. iv, p. 41, 1887.
Marquesas Island.
- cornea*, Sow., Thes. Conch., vol. i, p. 13, 1842. Hab. ?
- crassidens*, Tate, Trans. Roy. Soc. S. Aust., vol. xxiii, p. 247, 1899.
South Australia.
- crassilabris*, Phil., Zeit. Malak., p. 125, 1847. Sandwich Islands(?).
- derepta*, Tapp.-Canefri, Ann. Mus. Genova, vol. xix, p. 278, 1883.
New Guinea.
- diaphana*, Pfr., P.Z.S., p. 98, 1850. Honduras.
- dissotropis*, Ancey, Proc. Malac. Soc., vol. vi, p. 127, 1904. Oahu
Island.
- ecuadoriana*, Miller, Malak. Blätt. (2). vol. i, p. 146, 1879. Ecuador.
- exigua*, Pfr., P.Z.S., p. 121, 1848. Honduras.
- flammea*, Quoy & Gaim., Voy. Astrol., Moll., vol. ii, p. 193, 1832.
Tonga Island.
- goniostoma*, Sow., Beechey Voy., Zool., p. 145, 1839. Hab. ?
- gonoehila*, Pfr., P.Z.S., p. 121, 1848. Venezuela.
- gossei*, Pfr., P.Z.S., p. 122, 1848. Jamaica.
- grayana*, Pfr. (*Trochatella*), Zeit. Malak., p. 85, 1848. Jamaica.
- grenadensis*, Smith, Proc. Malac. Soc., vol. i, p. 318, 1895.
Grenada, W.I.
- halmaherica*, Kobelt, Abh. Senck. Ges., vol. xxiv, p. 39, 1897.
Halmahera Island.
- hawaiensis*, Pils. & Cooke, Honolulu Occ. Papers, Bishop Mus., 1910.
Hawaii.
- heighwayana*, Dall, Smiths. Inst. Misc. Coll., p. 362, 1909. Brazil.
- hirsuta*, C. B. Ad., Ann. Lyc. N. York, vol. v, p. 49, 1852. Jamaica.
- japonica*, var. *echigoensis*, Pils., Nautilus, vol. xvi, p. 131, 1903. Japan.
- juddii*, Pils. & Cooke, Honolulu Occ. Papers, Bishop Mus., 1910.
Hawaii.
- kauaiensis*, Pils. & Cooke, Honolulu Occ. Papers, Bishop Mus., 1910.
Hawaii.
- kieneri*, Pfr., P.Z.S., p. 122, 1848. Caraccas.
- knudseni*, Pils. & Cooke, Honolulu Occ. Papers, Bishop Mus., 1910.
Hawaii.
- lanieriana*, Orb., Moll. Cuba, vol. i, p. 245, 1841. Cuba.
- lens*, Lea, Observ., vol. i, p. 161, 1840-2. Fiji Islands.
- lenticularis*, Sow., Cat. Tauck., App., p. viii, No. 1024, 1825.
Pacific islands.
- leptalea*, Ancey, Le Naturaliste, p. 104, 1901. Bolivia.
- leucostoma*, Tapp.-Canefri, Ann. Mus. Genova, vol. xix, p. 275, 1883.
New Guinea.
- leucozonalis*, Ancey, Journ. Conch., vol. vii, p. 95, 1892. Brazil.

- livida*, H. & J., Voy. Pol. Sud., Moll., p. 47, 1854. Solomon Islands.
- louisianensis*, Forbes, Voy. Rattlesnake, App., p. 382, 1851. Louisiana Islands.
- lutea*, Lesson, Voy. Coquille, Zool., vol. ii, p. 350, 1831. New Guinea.
- lymaniana*, Pils. & Cooke, Honolulu Occ. Papers, Bishop Mus., 1910. Hawaii.
- macilenta*, C. B., Ad. Contrib. Conch., No. 1, p. 13, 1849. Jamaica.
- maculata*, Sow., Thes. Conch., vol. i, p. 7, 1842. South America.
- margaritacea*, Lesson, Voy. Coquille, Zool., vol. ii, p. 350, 1831. New Guinea.
- maxima*, Sow. (Alcedia), P.Z.S., p. 6, 1842. Jamaica.
- merdigeru* (Salle), Pfr., P.Z.S., p. 102, 1855. Mexico.
- multicoronata*, Hedley, Proc. Linn. Soc. N.S.W., vi, p. 115, 1891. British New Guinea.
- nehouensis*, Hartm., Proc. Acad. Nat. Sci. Philad., p. 93, 1889. New Caledonia.
- newcombiana*, Weindl., J. B. Malak. Ges., vol. vii, p. 351, 1880. Haiti.
- nobilis*, C. B. Ad., Ann. Lye. New York, vol. v, No. 2, p. 49, 1852. Jamaica.
- novella*, Mabile, Bull. Soc. Autun, vol. viii, p. 400, 1896. New Hebrides.
- novoguineensis*, Smith (= *fischeriana*, var.), Ann. Mag. Nat. Hist., p. 425, 1887. New Guinea.
- nuuanensis*, Pils. & Cooke, Honolulu Occ. Papers, Bishop Mus., 1910. Hawaii.
- oahuensis*, Pils. & Cooke, vars. *alpha*, *beta*, *gamma*, *delta*, Honolulu Occ. Papers, Bishop Mus., 1910. Hawaii.
- obiana*, Mölldff., Nachr. Malak. Ges., p. 195, 1902. Obi Island.
- oleosa*, Pfr., P.Z.S., p. 141, 1852. Haiti.
- orbiculata*, s. sp. *clappi*, Pils., Nautilus, vol. xxiii, p. 90, 1909. Florida.
- orbigny*, Pfr., P.Z.S., p. 123, 1848. Cuba.
- pallida*, Gould, Proc. Bost. Soc. Nat. Hist., p. 202, 1847. Fiji Islands.
- pellucida*, Sow., Thes. Conch., vol. i, p. 9, 1842. French Guyana.
- pisum*, Phil., Zeit. Malak., p. 124, 1847. Sandwich Islands.
- pterophora*, Sykes, Proc. Malac. Soc., vol. v, p. 20, 1902. Guatemala.
- pusilla*, C. B. Ad., Contrib. Conch., No. 7, p. 101, 1850. Jamaica.
- pygmæa*, Pot. & Mich., Gal. Moll. Mus. Douai, vol. i, p. 230, 1838. St. Domingo.
- raiatensis*, Garrett, Journ. Acad. Nat. Sci. Philad., ser. II, vol. ix, p. 106, 1884. Society Islands.
- rawsoni*, Pfr., Malak. Blätt., p. 165, pl. xiv, 1867. Bahamas.
- rotella*, Sow., Thes. Conch., vol. i, p. 12, 1842. Hab. ?
- sanctemarthæ*, Pils. & Clapp, Nautilus, vol. xv, p. 136, 1902. Colombia.
- sanguinea*, Pfr., P.Z.S., p. 124, 1848. Honduras.
- saxoniana*, Hartm., Proc. Acad. Nat. Sci. Philad., p. 93, 1889. New Caledonia.
- semilirata*, Pfr. (*Trochatella*), P.Z.S., p. 124, 1848. Venezuela.
- similis*, Sow., P.Z.S., p. 8, 1842. Guadeloupe.

- simpsoni*, Pils. (*Trochatella*), Proc. Acad. Nat. Sci. Philad., p. 782, 1903. Honduras.
- solomonensis*, Smith, P.Z.S., p. 599, 1885. Solomon Islands.
- sordida*, King, Zool. Journ., vol. v, p. 339, 1834. Rio Janeiro.
- sorverbyma*, Pfr., P.Z.S., p. 124, 1848. Guatemala.
- sprucei*, Pfr., P.Z.S., p. 111, 1857. Peru.
- sulculosa*, Ancey, Proc. Malac. Soc., vol. vi, p. 127, 1904. Hawaii.
- sylvatica*, Orb., Synops. Mag. de Zool., Moll., p. 28, 1835. Bolivia.
- tantilla*, Pils., Nautilus, vol. xvi, p. 53, 1902. Florida.
- torrei*, Henderson, Nautilus, vol. xxiii, p. 50, 1909. Cuba.
- trochiformis* (*Lucidella*), Pils., Nautilus, vol. xiii, p. 56, 1899. Jamaica.
- trochil-a*, Gould, Proc. Bost. Soc. Nat. Hist., p. 202, 1847. Matea Island.
- unifasciata*, Gray, Zool. Journ., vol. i, p. 69, 1824. Hab. ?
- usukanensis*, Godwin-Austen, P.Z.S., p. 352, 1889. Usukan Island, Borneo.
- vanatæ*, Pils., Proc. Acad. Nat. Sci. Philad., p. 540, 1909. Mexico.
- varians*, Sykes, Journ. Malac., vol. x, p. 67, 1903. Santa Cruz Islands.
- versilis*, Ancey, Bull. Soc. Malac. Fr., vol. iv, p. 42, 1887. Marquesas Islands.
- vestita* (Guild), Sow., Thes. Conch., vol. i, p. 14, 1842. North America.
- woodlarkensis*, Smith, Ann. Mag. Nat. Hist., vol. viii, p. 138, 1891. Woodlark Island.
- zebriolata*, Pfr., P.Z.S., p. 101, 1865. Lord Howe's Island.

When consulting the Zoological Record I noticed a *Helicina trochiformis*, Miller (fossil), Stuttgart Jahreshefte Ver. Natk., 1907, p. 452. Since this name is preoccupied by Sowerby, Proc. Zool. Soc., 1842, p. 7, I suggest it be changed to *milleri*.

As Mr. E. R. Sykes has noted in Proc. Malac. Soc., vol. iv, p. 260, 1901, a *Helicina suprafasciata*, Sow., and it also appears in the Paetel Catalogue, I may state that I have been unable to find any further reference or description of such a species.

There are also a good many typographical errors in the index of Dr. Wagner's monograph; for example, *joshwarana* should be *yoshucarana*, *inignis* is put for *insignis*, *rellei* for *rollei*, etc.