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REPORT ON THE TURTON COLLECTION OF SOUTH AFRICAN MARINE MOLLUSKS, WITH ADDITIONAL NOTES ON OTHER SOUTH AFRICAN SHELLS CONTAINED IN THE UNITED STATES NATIONAL MUSEUM

BY

PAUL BARTSCH
Curator, Division of Marine Invertebrates
United States National Museum

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which 10 occur upon the first three whorls, 12 upon the fourth and penultimate. One of the ribs is decidedly thicker, forming a strong varix. This feature is common to all of our specimens. Intercostal spaces about twice as wide as the ribs and very shallow. In addition to the axial sculpture the entire surface of spire and base is marked by equal and almost equally spaced, closely placed, wavy, incised, spiral lines, of which about 24 occur between the sutures on the penultimate turn and about 30 upon the base of the last whorl. Sutures ill-defined. Aperture with the posterior angle acute; outer lip thick within, sharp at edge, sinus scarcely indicated a little distance anterior to the summit; columella almost straight, covered by a thin callus, which extends up on the parietal wall, forming a tubercle near the posterior angle.

The type, Cat. No. 117, U.S.N.M., was collected by William Stimpson on the North Pacific Exploring Expedition at Simons Bay. It has eight whorls and measures: Length, 8.1 mm.; diameter, 3.5 mm. Cat. No. 186687, U.S.N.M., contains three additional specimens from Port Alfred (Coll. No. 45).

Genus DAPHNELLA Hinds.

DAPHNELLA ? SULCATA Sowerby.

Cat. No. 186690, U.S.N.M., one specimen from Port Alfred (Coll. No. 48).

DAPHNELLA ALFREDENSIS, new species.

Plate 8, fig. 3.

Shell spindle shaped, milk white, semitranslucent. Nuclear whorls decollated; post-nuclear whorls well rounded, appressed at the summit, marked by moderately strong, protractively curved, sinuous, axial ribs, of which 12 occur upon the first, 14 upon the second and third, and 18 upon the penultimate turn. These ribs are about as wide as the spaces which separate them. Intercostal spaces shallow, crossed by slender, equal and equally spaced, spiral threads, of which 6 occur upon the first, 7 upon the second, 12 upon the third, and 15 upon the last turn between the sutures. The appressed portion of the whorls appears to be free from spiral sculpture. Sutures feebly marked; periphery of the last whorl well rounded; base rather long; the posterior half well rounded and the anterior half somewhat concaved, marked by the feeble continuations of the axial ribs and spiral threads which equal those of the spire in strength and spacing. Aperture oval, strongly channeled anteriorly, posterior angle acute; outer lip thin, showing the external sculpture within; inner lip almost evenly concaved; parietal wall glazed with a thin callus.

The type, Cat. No. 227753, U.S.N.M., comes from Port Alfred (Coll. No. 848). It has five post-nuclear whorls, and measures: Length, 9.6 mm.; diameter, 4.5 mm.

PLATE 5.

FIG. 1. *Rissoina calia*, new species, type, length 6.7 mm., p. 130.
2. *Alvania ima*, new species, type, length 2.3 mm., p. 129.
3. *Alvania nemo*, new species, type, length 1.8 mm., p. 127.
4. *Triphoris capensis*, new species, type, length 5.1 mm., p. 105.
5. *Alvania farquhari* Smith, p. 128.
6. *Seila alfredensis*, new species, cotype, length 10 mm., p. 113.
7. *Alabina alfredensis*, new species, type, length 3.2 mm., p. 121.
8. *Turritella stimpsoni*, new species, type, length 20.5 mm., p. 118.
9. *Cerithiopsis* (*Cerithiopsis*) *alfredensis*, new species, type, length 5 mm., p. 109.
10. *Rissoina* (*Phosinella*) *pura* Gould, type, length 5.8 mm., p. 131.
11. *Triphoris africana*, new species, type, length 5. mm., p. 103.

PLATE 6.

FIG. 1. *Diala africana*, new species, type, length 4.8 mm., p. 122.
2. *Diala almo*, new species, type, length 2mm., p. 123.
3. *Microsetia helga*, new species, type, length 2.7 mm., p. 133.
4. *Microsetia gisna*, new species, type, length 2 mm., p. 132.
5. *Amphithalamus turtoni*, new species, type, length 1 mm., p. 126.
6. *Sabanaea thalia*, new species, type, length 1.7 mm., p. 126.
7. *Sabanaea pyrrha*, new species, type, length 1.3 mm., p. 125.
8. *Microsetia halia*, new species, type, length 2.1 mm., p. 132.
9. *Assiminea capensis*, new species, type, length 6 mm., p. 135.
10. *Diala capensis*, new species, type, length 2.5 mm., p. 123.

PLATE 7.

FIG. 1. *Mangilia nisga*, new species, type, length 3.1 mm., p. 25.
2. *Mangilia helga*, new species, type, length 3 mm., p. 26.
3. *Mangilia gisna*, new species, type, length 3.1 mm., p. 24.
4. *Drillia signa*, new species, type, length 14 mm., p. 21.
5. *Mangilia benjamini*, new species, type, length 15.3 mm., p. 26.
6. *Mangilia amplexa* Gould, type, length 8 mm., p. 30.
7. *Mangilia herilda*, new species, type, length 7.4 mm., p. 28.
8. *Clionella sybaritica*, new species, type, length 20.5 mm., p. 15.

PLATE 8.

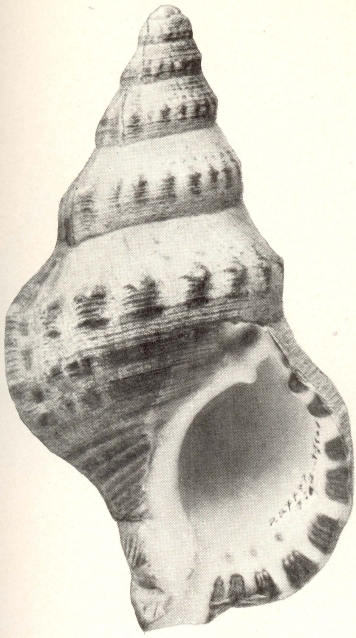
FIG. 1. *Eugyrina gemnifera lepta*, new subspecies (front), type, length 84.2 mm., p. 93.
2. *Clavatula helena*, new species, type, length 28 mm., p. 20.
3. *Daphnella alfredensis*, new species, type, length 9.6 mm., p. 32.
4. *Eugyrina gemnifera lepta*, new subspecies (back), type, length 84.2 mm., p. 93.

PLATE 9.

FIG. 1. *Eugyrina gemnifera* Euthyme, length 91 mm. (front), p. 93.
2. *Epitonium africanum*, new species, type, length 31 mm., p. 62.
3. *Turbonilla* (*Pyrgolampros*) *angea*, new species, type, length 5 mm., p. 77.
4. *Eugyrina gemnifera* Euthyme, length 91 mm. (back), p. 93.

PLATE 10.

FIG. 1. *Amphiperas smithi*, new species, type, length 19.5 mm. (front), p. 96.
2. *Phasianella africana*, new species, type, length 3.5 mm., p. 145.
3. *Amphiperas smithi*, new species, type, length 19.5 mm. (back), p. 96.
4. *Marginella alfredensis*, new species, type, length 2.5 mm., p. 41.



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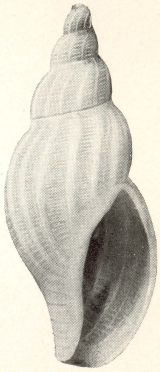

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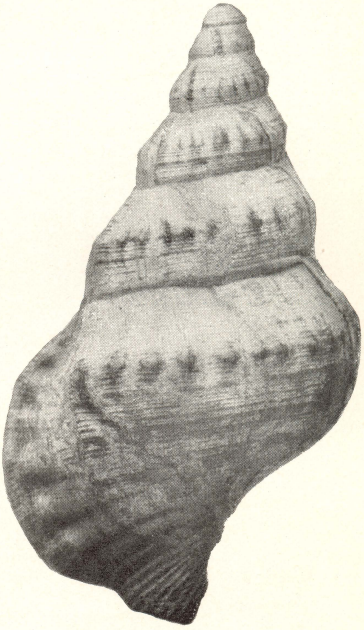

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SOUTH AFRICAN MARINE MOLLUSKS.

FOR EXPLANATION OF PLATE SEE PAGE 258.