

DESCRIPTIONS OF NEW SPECIES OF MOLLUSKS
OF THE FAMILY TURRITIDAE FROM THE
WEST COAST OF AMERICA AND
ADJACENT REGIONS

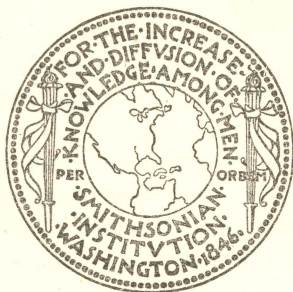
BY

WILLIAM HEALEY DALL

Honorary Curator of Mollusks, United States National Museum

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the pillar, which, with his figure, indicate that he had a species of *Mitra* in hand, from which his diagnosis was made.

The present species seems entitled to a distinct group name.

DAPHNELLA BARTSCHI, new species.

Plate 19, figs. 4, 5.

Shell small, slender, yellowish white with brown flames and flecks, moderately convex whorls, distinct suture, and six whorls, with a very minute brown nucleus of two whorls; the whole surface is delicately reticulated with subequal axial and spiral threads, the spirals cut by the axial interspaces into minute nodules, the interstices squarish; the surface resulting is grating to the touch; the aperture is narrow, the canal hardly differentiated and not recurved. Height of shell, 8.5; of last whorl, 6; diameter, 5 mm. Cat. No. 267341, U.S.N.M.

Range.—Lower California and the Gulf of California; Dr. Paul Bartsch.

This is much smaller and with more delicate and even sculpture than the related species *D. casta* Hinds, and *D. clathrata* Gabb, both of which have much larger nuclei. *D. effusa* Carpenter from Neeah Bay, Washington, was founded on a broken and worn unidentifiable specimen probably not even belonging to the genus *Daphnella*. *D. electra* Dall is a still smaller and differently colored species, and *D. fuscoligata* Dall has quite a different sculpture and may possibly be a *Clathromangilia*.

CYTHARELLA ACULEA, new species.

Shell small, purple brown, banded with white, or varicolored; nucleus of one and a half loosely coiled, smooth nuclear, and four subsequent whorls; axial sculpture of six, somewhat sigmoid rounded ribs continuous up the spire, with excavated, much wider interspaces, with fine axial striation, which slightly wrinkles the spirals; spiral sculpture of numerous sharp, often paired grooves separated by wider flattish interspaces which are faintly marked by the axial striation; aperture narrow, anal sulcus conspicuous, outer lip thickened, smooth inside, pillar simple, canal hardly differentiated. Height of shell, 6; of last whorl, 3.5; diameter, 2 mm. Cat. No. 73994, U.S.N.M.

Range.—San Diego, California, to Cape San Lucas.

Though small, this is one of the most elegant of the West Coast species. The name was suggested by Doctor Carpenter. Some specimens are more slender than others, and the coloration is variable.

5. *Lora lütkeni* Dall, Alt. 8 mm.; p. 48.
6. *Lora halitropa* Dall, Alt. 6 mm.; p. 40.
7. *Lora pitysa* Dall, Alt. 5.5 mm.; p. 40.
8. *Lora healyi* Dall, Alt. 15 mm.; p. 42.
9. *Lora inequita* Dall, Alt. 11 mm.; p. 44.
10. *Lora diegensis* Dall, Alt. 8.5 mm.; p. 46.
11. *Lora althorpensis* Dall, Alt. 6.5 mm.; p. 49.
12. *Lora sexta* Dall, Alt. 8 mm.; p. 49.

PLATE 17.

- FIG. 1. *Glyphostoma adana* Dall, Alt. 10 mm.; p. 52.
2. *Glyphostoma thalassoma* Dall, Alt. 19.5 mm.; p. 52.
 3. *Glyphostoma sirena* Dall, Alt. 10 mm.; p. 53.
 4. *Glyphostoma parteflosa* Dall, Alt. 11 mm.; p. 53.
 5. *Glyphostoma adria* Dall, Alt. 10 mm.; p. 52.
 6. *Glyphostoma cymodoce* Dall, Alt. 11.5 mm.; p. 54.

PLATE 18.

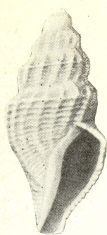
- FIG. 1. *Philbertia scammoni* Dall, Alt. 7 mm.; p. 57.
2. *Philbertia helena* Dall, Alt. 3.5 mm.; p. 55.
 3. *Philbertia dictynna* Dall, Alt. 3.8 mm.; p. 57.
 4. *Philbertia doris* Dall, Alt. 5.2 mm.; p. 55.
 5. *Philbertia telamon* Dall, Alt. 4 mm.; p. 58.
 6. *Philbertia aethra* Dall, Alt. 8 mm.; p. 57.
 7. *Elaeocyma attalia* Dall, Alt. 8.5 mm.; p. 10.
 8. *Philbertia aegialea* Dall, Alt. 7 mm.; p. 58.

PLATE 19.

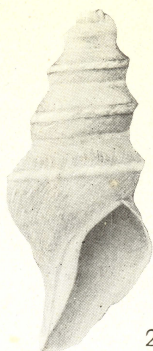
- FIG. 1. *Lora antipoda* Dall, Alt. 5 mm.; p. 41.
2. *Cryptogemma adrastia* Dall, Alt. 16 mm.; p. 33.
 3. *Philbertia trichodes* Dall, Alt. 4 mm.; p. 62.
 4. *Daphnella bartschi* Dall, Alt. 9 mm.; p. 74.
 5. *Daphnella bartschi* Dall, another specimen with immature lip, less enlarged, Alt. 9 mm.; p. 74.
 6. ? *Mangilia hermione* Dall, Alt. 8 mm.; p. 70.
 7. *Cymatosyrinx palmeri* Dall, Alt. 9.5 mm.; p. 8.
 8. *Bellaspira melea* Dall, Alt. 12 mm.; p. 29.
 9. *Mangilia althorpi* Dall, Alt. 11.5 mm.; p. 68.

PLATE 20.

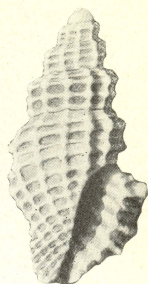
- FIG. 1. *Cymatosyrinx elissa* Dall, Alt. 7 mm.; p. 6.
2. *Cymatosyrinx hespera* Dall, Alt. 9 mm.; p. 6.
 3. *Cymatosyrinx talage* Dall, Alt. 8 mm.; p. 7.
 4. *Cymatosyrinx plicatella* Dall, Alt. 7 mm.; p. 7.
 5. *Nannodiella fraternalis* Dall, Alt. 4.75 mm.; p. 60.
 6. ? *Nannodiella phylira* Dall, immature, Alt. 7 mm.; p. 60.
 7. *Nannodiella nana* Dall, Alt. 3.5 mm.; p. 59.
 8. *Nannodiella amyela* Dall, immature, Alt. 4.5 mm.; p. 61.
 9. *Cymatosyrinx hecuba* Dall, the aperture defective; Alt. 11 mm.; p. 9.
 10. *Mangilia* (*Kurtziella*) *hebe* Dall, Alt. 10 mm.; p. 63.
 11. *Mangilia perattenuata* Dall, Alt. 10 mm.; p. 65.
 12. ? *Mangilia dejanira* Dall, Alt. 11 mm.; p. 72.



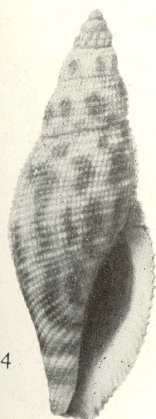
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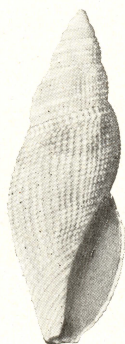
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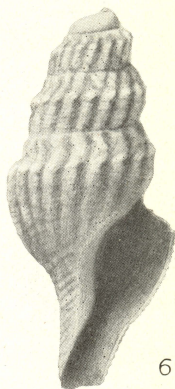
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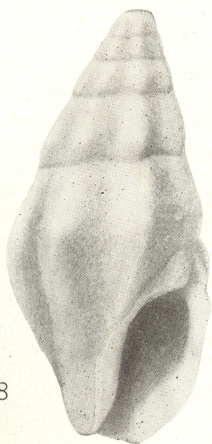
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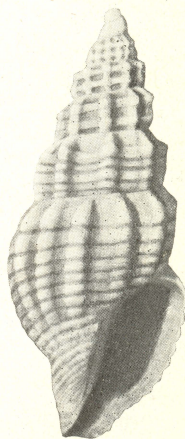
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NEW WEST COAST MOLLUSKS OF THE FAMILY TURRITIDAE

FOR EXPLANATION OF PLATE SEE PAGE 85