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AT HARVARD COLLEGE.

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REPORTS ON THE DREDGING OPERATIONS OFF THE WEST COAST OF
CENTRAL AMERICA TO THE GALAPAGOS, TO THE WEST COAST
OF MEXICO, AND IN THE GULF OF CALIFORNIA, IN CHARGE OF
ALEXANDER AGASSIZ, CARRIED ON BY THE U. S. FISH COMMISSION
STEAMER "ALBATROSS," DURING 1891, LIEUT. COMMANDER
Z. L. TANNER, U. S. N., COMMANDING.

XXXVII.

REPORTS ON THE SCIENTIFIC RESULTS OF THE EXPEDITION TO THE
EASTERN TROPICAL PACIFIC, IN CHARGE OF ALEXANDER AGASSIZ,
BY THE U. S. FISH COMMISSION STEAMER "ALBATROSS," FROM
OCTOBER, 1904, TO MARCH, 1905, LIEUT. COMMANDER L. M. GARRETT,
U. S. N., COMMANDING.

XIV.

THE MOLLUSCA AND THE BRACHIOPODA.

By WILLIAM HEALEY DALL.

SMITHSONIAN
MAY 10 1989
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WITH TWENTY-TWO PLATES.

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OCTOBER, 1908.

DAPHNELLA HINDS.***Daphnella (Eubela) imparella* DALL, n. sp.****Plate 2, figure 2.**

Shell small, translucent white, smooth, polished, very thin, with a three-whorled yellow nucleus of the "*Sinusigera*" type, ending abruptly; the form of the shell fusoid, whorls gently rounded, with about four whorls following the nucleus, marked only with lines of growth, obscure spiral markings, and on the canal a few obsolete spiral threads; suture distinct, not marginate; aperture lunate; anal sulcus very wide and shallow, outer lip thin, arcuately protractive; body smooth; pillar straight, obliquely truncate in front, hardly callous; canal wide, shallow, not recurved. Lon. of shell, 12.7; of last whorl, 9.0; of aperture, 7.0; max. diam. 5.5 mm.

U. S. S. "Albatross," station 3392, Gulf of Panama, on hard bottom, in 1270 fathoms, bottom temperature 36° 4 F. U. S. N. Mus. 123,114.

The species wants the sutural margination and beading of *Eubela limacina* Dall, of the Atlantic, and its proportions are different, but in other respects it is rather similar. This group has no operculum.

Daphnella (Surculina) blanda* DALL, n. sp.*Plate 3, figure 1.**

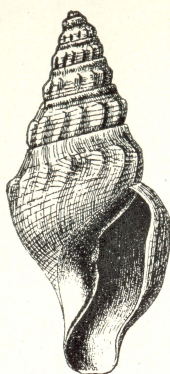
Shell elongate fusiform, thin, slender, of a pale buff color, eroded nucleus, and about six subsequent whorls; suture distinct, slightly appressed, whorl in front of it minutely arcuately axially wrinkled; nucleus and the following whorl and a half eroded, the next two or three whorls faintly axially ribbed with (on the third whorl about fifteen) low, rounded, narrow, subequal protractive riblets which on the following whorls weaken and disappear; the intervals are wider than the ribs, shallow, and crossed by (between the sutures 8-9) low, regular, equal, rounded spiral threads, equally distributed and not nodulous, but weaker or absent between the suture and shoulder where the ribs originate. On the last whorl the spiral sculpture is much the same except that the threads are flattened and strap-like and the interspaces more or less channelled and near the canal wider; outer lip arcuate, slightly excavated near the suture, protractive below, moderately constricted on the canal, thin, simple; pillar straight, rapidly attenuated forward, the edge gyrate and minutely pervious at the axis; canal long, straight, wide, obliquely truncated. Lon. of shell, 26.5; of last whorl, 20.0; of aperture, 16.5; max. diam. 8.0 mm.

U. S. S. "Albatross," station 3366, off Cocos Island, Gulf of Panama, in 1067 fathoms, ooze, bottom temperature 37° F. U. S. N. Mus. 123,119.

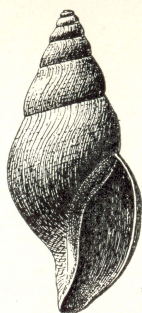
PLATE 2.

- FIG. 1. *Leucosyrinx erosina* Dall; alt. 28.0 mm.; p. 269.
FIG. 2. *Daphnella* (*Eubela*) *imparella* Dall; alt. 12.7 mm.; p. 291.
FIG. 3. *Pleurotomella* (*Gymnobela*) *xyloa* Dall; alt. 27 mm.; p. 280.
FIG. 4. *Gaza rathbuni* Dall, basal view; diam. 45 mm.; p. 347. See also plate 3, figure 6.
FIG. 5. *Steiraxis aulaca* Dall; alt. 60 mm.; p. 273.
FIG. 6. *Truncaria brunneocincta* Dall; alt. 31.5 mm.; p. 304.
FIG. 7. *Tractolira sparta* Dall; alt. 60 mm.; p. 299.

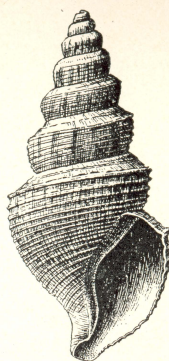
The drawings for this plate were made by the late Dr. J. C. McConnell.



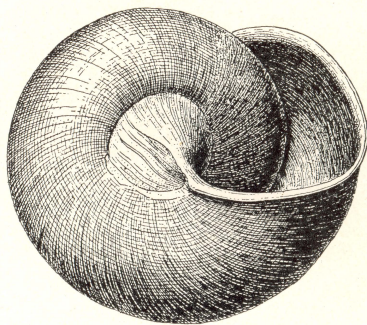
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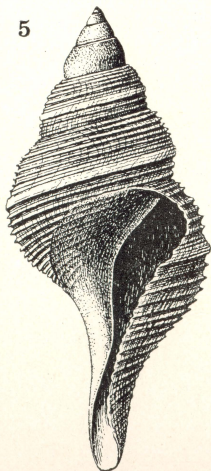
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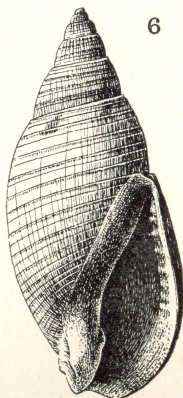
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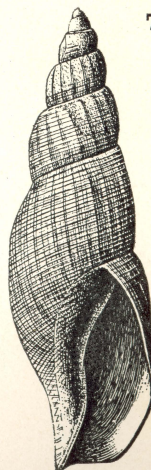
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