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of plates, pp. 66-79, Pls. 1-8.

p. 28-29.

16. Pseudodiaptomus marinus, nov. sp.
(Pl. 7, figs. 69-71)

Female: Body small, ~~dark/purple/some/~~ mostly yellowish red, some specimens dark purple, slightly opaque, head rounded, rostrum bifurcate and elongated. Thorax is separated from cephalus, last two segments of thorax are united, lateral angle of last thoracic segment projected posteriorly. Posterior part of the body (abdomen) is four segmented, anterior portion of genital segment slightly rounded, 2nd ~~thoracic/3rd~~, abdominal segments ~~and/end/~~ are toothed and 3rd

at the posterior margins. furca is united at the proximal portion and separated at the distal portion, bifurcated, length of furca is ~~as/three/times/as/the/breadth/~~ more than three times the breadth. 1st antenna is 22 segmented, 6th segment is fused with 7th segment. spines on each segment well developed. the end of ~~spine/branches/~~ 1st antenna reaches the end of genital segment. middle segment of ~~2nd/antenna~~ exopodite of 2nd segment degenerated, becoming one segment as a whole. 1st and 2nd maxillae are small. 1st maxilla is not developed, ~~two/segments/of~~ proximal two segments of 2nd maxilla somewhat swollen. The first four swimming feet with 3 segmented exopodites and 3 segmented endopodites. The posterior margin of 1st and 2nd segments of endopodites and also exopodites of 2nd and 3rd feet have serrated projections. 2nd basipodite of 4th feet has spines. 5th feet are composed of 4 segments, 1st, 2nd and last segments are short, 3rd segment is elongated. Outer margin of 2nd segment has one spine, and outer margin of 3rd segment has one spine, posterior end of last segment becomes spine-like projection, with two spines.

Male: Head is somewhat protruded, abdomen 5 segmented. right 1st antenna geniculated, its 13th ~~and~~ to 16th segments are swollen, 17th segment has serrated projection on the outer margin, and fused with ~~17th~~ 18th segment, bent. 5th ~~feet~~ feet with two basipodites, inner margin of 2nd basipodite of right foot is provided with one long spine and trifurcated spines, exopodite 3 segmented, endopodite absent, outer margin of 1st segment of exopodite with one small spine and bifurcated spines, outer margin of 2nd segment with one spine. last segment small, craw-like. Left ~~foot~~ foot with two segmented exopodite and one segmented endopodite. 2nd basipodite with one spine, outer margin of 1st segment of exopodite with one spine, last segment elongated, becoming flat, its outer margin with one larger and one smaller spines, ~~and~~ posterior end of endopodite somewhat projected, with many hairs.

Body length: Female. 1.3 mm-1.6 mm, Male: 1.3 mm.

Remarks: This species is closely resembles *P. pelagicus* Herrick, but ~~the~~ the structure of 5th feet is not identical with that species.

Occurrence and distribution: Neritic and warm water nature, very common in Oshoro Bay and Takashima (Japan Sea coast) from late August to November, especially abundant in September, October and November, decreasing their number gradually after

November, and disappearing in April. Habitat: Oshoro (Japan Sea coast), Takashima (Ditto), Sagami-Nada (Pacific side), Miyajima (Inland Sea=Setonaikai).

Pl. VII. *Pseudodiaptomus marinus*, nov. sp.

Fig. 69. Female, dorsal, X 67

Fig. 70. Female, fifth feet, X 200

Fig. 71. Male, fifth feet, X 330

Fig. 81. *Temora discaudata* Giesbrecht, right 1st antenna X92

Fig. 87. *Eurytemora pacifica*, nov. sp. male, dorsal, X 52

Fig. 88. Ditto, end of right 1st antenna, male, X 92

Fig. 89. Ditto, fifth feet, male, X 122

Fig. 102. *Candacia bipinnata* Giesbrecht, dorsal, female, X 34

Fig. 103. Ditto, 1st maxilla, female, X 118

Fig. 104. Ditto, 3rd feet, female, X 106

Fig. 105. Ditto, female, fifth feet, X 200

Fig. 106. Abdomen, dorsal, male, (same species), X 67

Fig. 107. Ditto, right 1st antenna, male, X 67

Fig. 108. Ditto, segment carrying serrated projections, right 1st antenna, male, X 212

Fig. 109. Ditto, 5th feet, male, X 140

Fig. 110. *Pontella longipedata*, nov. sp. Dorsal, female, X 29

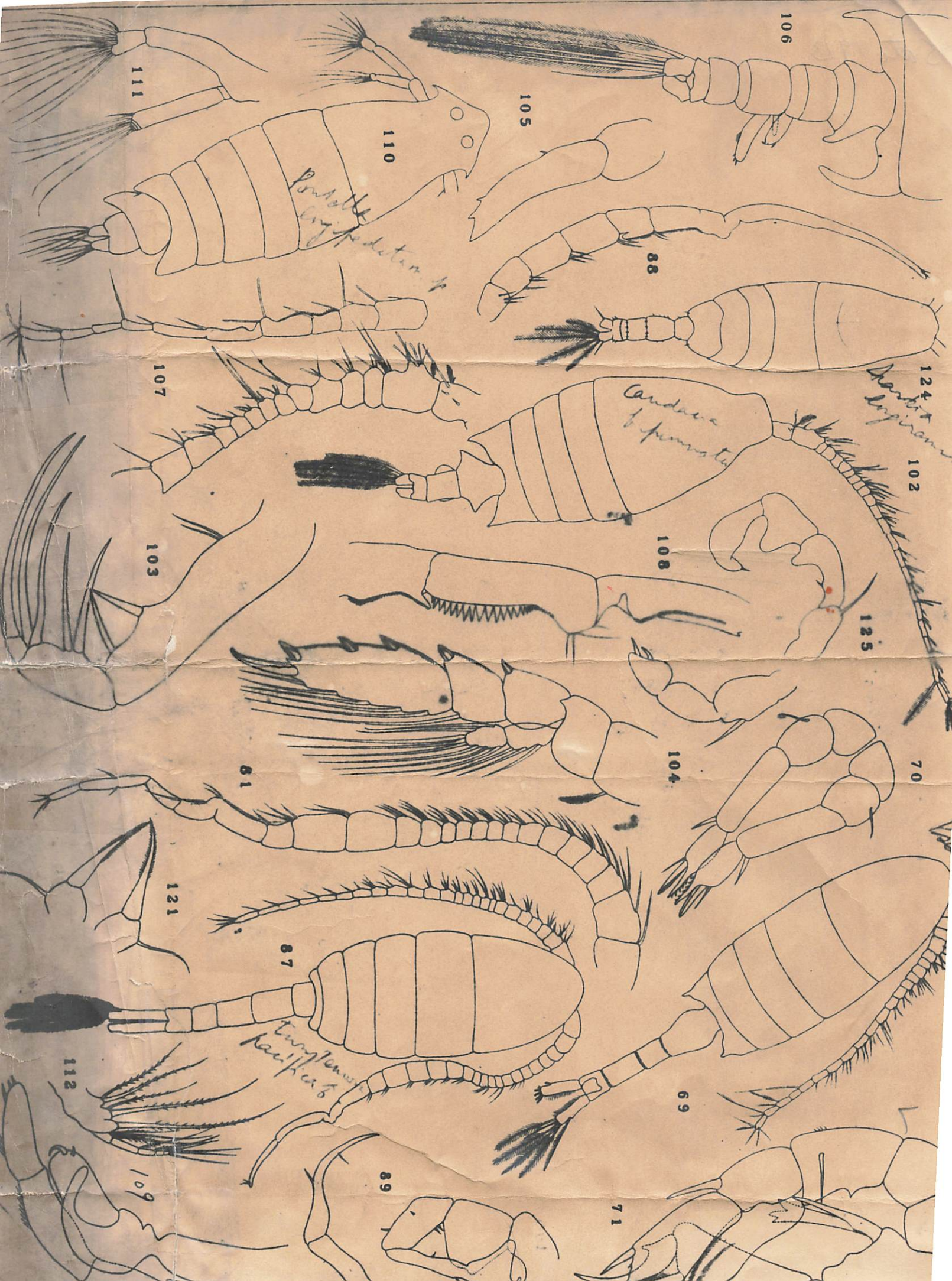
Fig. 111. Ditto, 2nd antenna, female, X 62

Fig. 112. Ditto, 2nd maxilla, female, X 92

Fig. 121. *Acartia bifilosa* Claus, ~~1st~~ 5th feet, female, X 400

Fig. 124. *Acartia longipemis* Lilljeborg, Dorsal, male, X 62

Fig. 125. Ditto, 5th feet, male, X 280



106

111

105

110

Pondella longipalatum

88

107

124

Harporhamphus

102

Candacia f. pinnata

103

108

125

70

81

104

121

87

Tropidocaris pacifica

69

112

109

89

71