

Ampelisca brevisimulata

Ampeliscidae

Bright red eyes

Date Examined and Code: October 18, 1982 PL 7

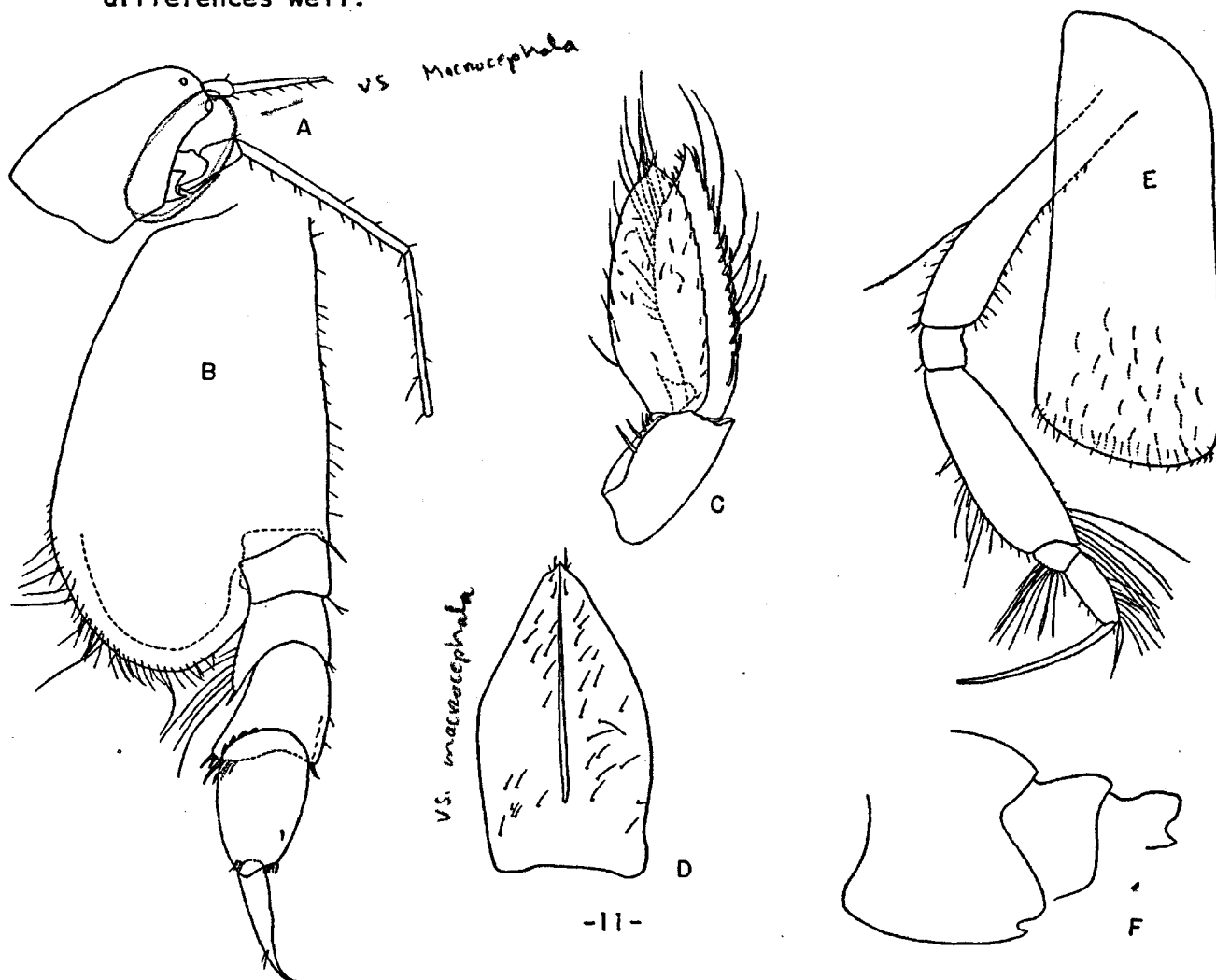
Keys Used: Barnard. 1954. A. Hancock Pac. Exp. 18(1)

Other Literature: Barnard. 1960. Pacific Naturalist 1(16).

Important Characters: U2 w/ sub apical spine
Spines on inner ramus of uropod 3 that resemble
spines on a cactus plant; lower front edge of head subparallel to
upper margin, bisinuous third pleon epimeron.

Related Species and Character Differences: *A. cristata* has similar
shape to head but is more elongated and has a carina on pleon
segment 4. *E 2* with acute tooth
on posterior distal corner

Variability: Juveniles will have fewer spines on Uropod 3 than adults
Males will vary slightly in the shape third pleon epimeron, fourth
pleon segment, and uropod 3. Barnard (1954) illustrates the
differences well.



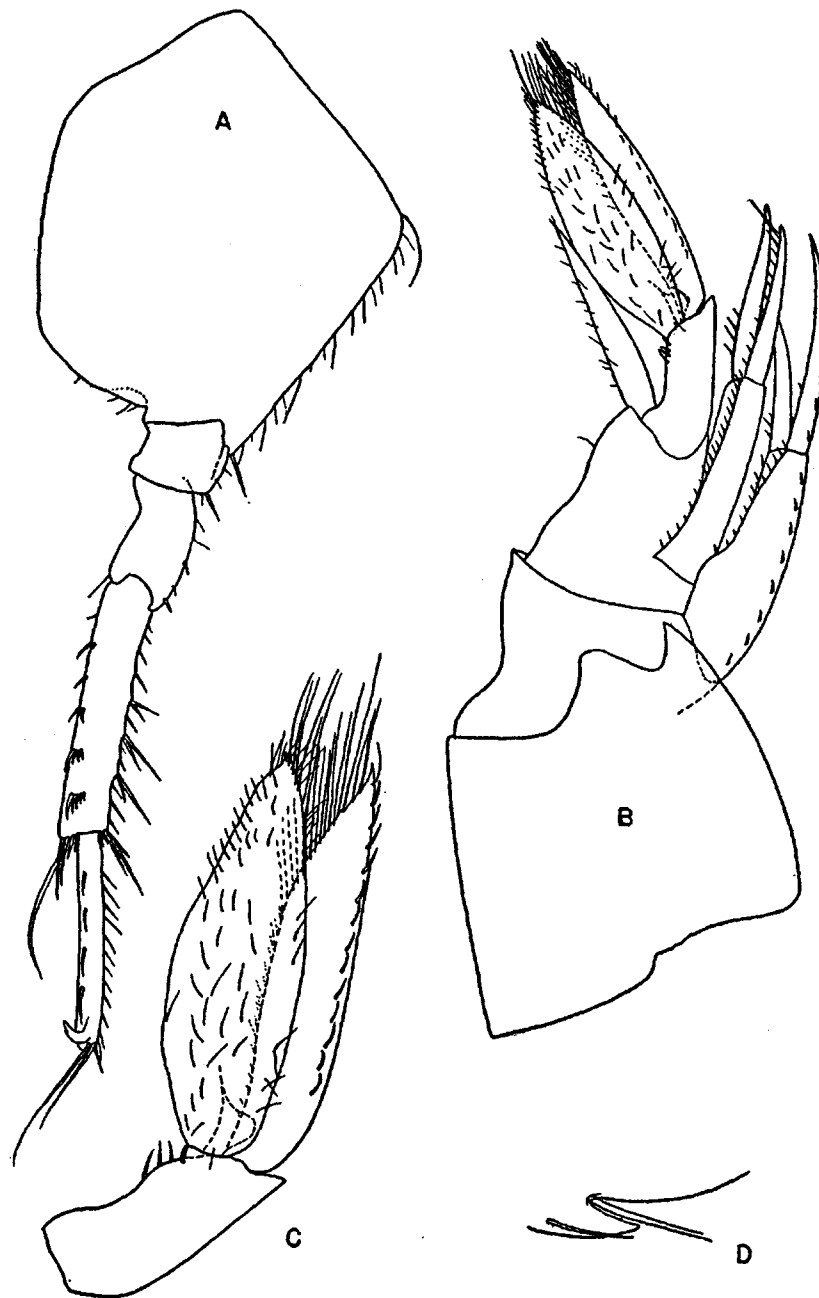


PLATE 23

Ampelisca brevisimulata, new species

Paratype, female, 9 mm, Station 1321-41.

Figure A. Head.

B. Pereopod 5, right.

D. Telson.

E. Pereopod 1, right.

Male, 7 mm, Station 769-38.

Figure C. Uropod 3, left.

F. Pleon segments 3 and 4. (Note: tooth on segment 3 is much shorter than in the female. This may need separate designation as a new form when more materials are available for comparison.)

PLATE 24

Ampelisca brevisimulata, new species

Paratype, female, 9 mm, Station 1321-41.

Figure A. Pereopod 4, right.

B. Urosome and pleon segment 3.

C. Uropod 3, left.

D. Lower posterior corner of coxa 1, greatly magnified.