



Pachygrapsus marinus (Rathbun), male from Omaio Bay.

FIG. 1.—Dorsal surface. FIG. 2.—Outline of right chela. FIG. 3.—Outline of abdomen.

fringe of hairs on the first three pairs of walking legs to form a definite natatory fringe. *Pachygrapsus marinus* (Rathbun) therefore deserves a place in the New Zealand crab fauna, and any specimens suspected to be *Planes* should be re-examined in this light.

OCCURRENCE: Omaio Bay, Eastern Bay of Plenty, living amongst dense growth of *Lepas* on glass Japanese fishing float cast ashore, R. K. Dell, March 7, 1962. The specimens were still alive when collected and the total population numbered 18 males and 8 females, of which 2 were ovigerous.

Length of carapace, 12.6mm; width of carapace, 13.8mm (average male specimen).

These New Zealand examples of *Pachygrapsus marinus* extend the known range of this species considerably to the west. The type locality is the open sea west of Lower California, 23° 49' N., 127° 50' W. Four specimens were subsequently collected from the fouling on a Japanese mine which drifted ashore on the coast of Oregon in 1947. Chace reported numerous specimens collected from drift in the Hawaiian Islands, occurrences which have been substantiated by Edmondson (1959, p. 169). These appear to be the only previously recorded occurrences for this species. This latest record indicates that *Pachygrapsus marinus* undoubtedly has a much wider range in the tropical and subtropical Pacific than previous records would indicate. There is little indication that oceanic crabs have been collected at all intensively in this area.

REFERENCES

- CHACE, F. A., 1951. The Oceanic Crabs of the Genera *Planes* and *Pachygrapsus*, *Proc. U.S. Nat. Mus.*, 101, pp. 65–103.
 EDMONDSON, C. H., 1959. Hawaiian Grapsidae. *Occ. Pap. Bernice P. Bish. Mus.*, 22, pp. 153–202.

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