

Off Mayor I., Bay of Plenty, 37°22.5'S., 176°22'E., 113–120 fms, M.V. "Alert", 27/2/1957, DM Bottom Sta. 208, 6 ♂♂, 13 ♀♀, 19.6–37.1mm (DM Z. Cr. 663). Off Motiti Is, Bay of Plenty, 37°27'S., 176°26'E., 70–90 fms, 28/8/1956, 1 ♂, 33.7mm (DM Cr. 1052). Off Plate I., Astrolove Reef, Bay of Plenty, 70–100 fms, 16/8/1956, 2 ♂♂, 25.0, 36.7mm (DM Cr. 1051). Fourteen miles E. of White I., Bay of Plenty, 105 fms, N.Z. Marine Dept, 3/4/1963, 2 ♂♂, 3 ♀♀, 9.0–35.7mm (DM Cr. 1340). Bay of Plenty, trawled, pres. Marine Dept, 1955, 1 ♂, 46.8mm (DM Cr. 593). Bay of Plenty, 30–70 fms, pres. Auckland Inspector of Fisheries, 1953, 1 ♂, 45.3mm (DM Cr. 1050). N. of Hicks Bay, 37°33'S., 178°35'E., 138 fms, soft grey mud, Agassiz trawl, 24/3/1967, NZOI Sta. E720, 1 ♂, 38.1mm (NZOI). Three miles N.E. Hicks Bay, 100–120 fms, N.Z. Marine Dept, 4/4/1963, 1 ♂, 2 ♀♀, 17.9–43.4mm (DM Cr. 1338), 1 ♀, 11.5mm (DM unreg.). Three miles N.E. of Hicks Bay, 60–70 fms, N.Z. Marine Dept, 4/4/1963, 1 ♂, 27.6mm (DM Cr. 1341). Sixteen miles S.E. of East Cape, 70 fms, N.Z. Marine Dept, 5/4/1963, 2 ♀♀, 28.0, 30.3mm (DM Cr. 1339). Twelve miles E. of Tetara Head, 80 fms, N.Z. Marine Dept, 5/4/1963, 4 ♀♀, 8.9–31.6mm (DM Cr. 1342). Twelve miles E.N.E. of Marau Point, 70 fms, N.Z. Marine Dept, 5/4/1963, 1 ♀, 27.5mm (DM Cr. 1344). Off Napier, A. G. Clark, October 1953, 1 ♂, 38.4mm (DM unreg.). S.E. of C. Kidnappers, 39°20'S., 178°35'E., 140 fms, soft grey mud, Agassiz trawl, 22/3/1967, NZOI Sta. E710, 3 ♀♀, 25.8–32.5mm (NZOI). Between C. Kidnappers and C. Turnagain, 39°33.8'S., 177°13.6'E., 40 fms, grey green sandy mud, cone dredge, 4/9/1957, NZOI Sta. B55, 1 ♀, 20.6mm (NZOI). Between C. Kidnappers and C. Turnagain, 39°31.4'S., 177°39.4'E., 70 fms, soft grey mud, Agassiz trawl, 27/2/1962, NZOI Sta. C827, 2 ♂♂, 9 ♀♀, 20.2–39.7mm (NZOI). Between C. Kidnappers and C. Turnagain, 39°30.8'S., 177°18.4'E., 46 fms, grey green sandy mud, cone dredge, 4/9/1957, NZOI Sta. B56, 1 ♀, 21.4mm (NZOI). E. of C. Turnagain, 40°36.7'S., 177°01.6'E., 110 fms, shelly sand, orange-peel grab, 20/6/1960, NZOI Sta. C511, 1 ♀ (ovig.), 31.0mm (NZOI). Off Castlepoint Light, 40 fms, F. Abernethy, 24/8/1955, 1 ♂, 43.0mm (DM Z. Cr. 615). Off Castlepoint, 30–60 fms, trawled, F. Abernethy, 7/7/1956, 3 ♂♂, 1 ♀, 39.8–42.1mm (DM Cr. 1058). Off Castlepoint, 60 fms, F. Abernethy, 17/9/1956, 1 ♂, 46.0mm (DM Z. Cr. 644). C. Campbell, 40 fms, trawled, F. Abernethy, October 1952, 1 ♀, 32.3mm (DM Cr. 1054).

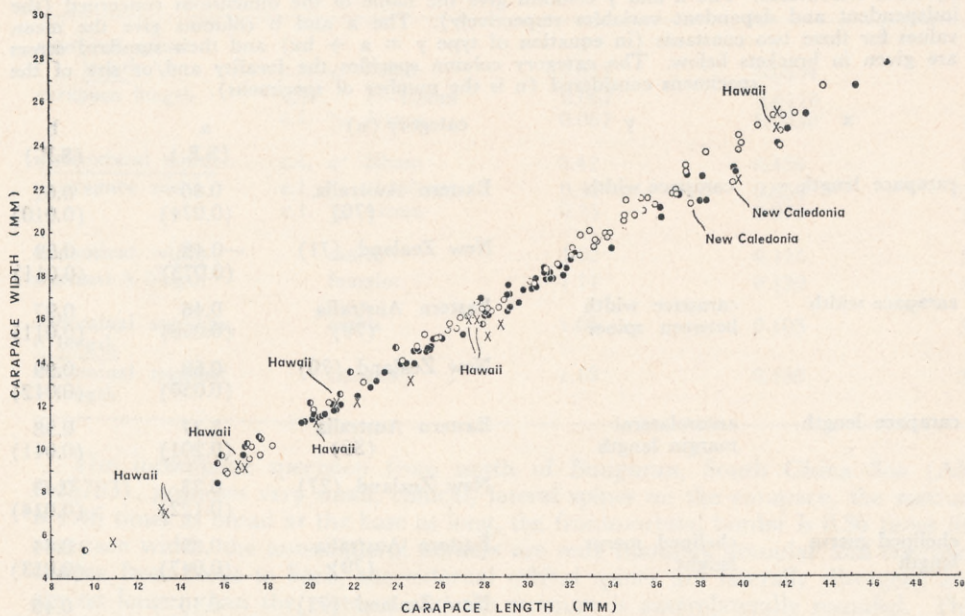


FIG. 2.—Relative growth in *Lyreidus tridentatus*. ○—Eastern Australia and New Caledonia, ●—Western Australia, ●—New Zealand, ×—Japan, South China Sea and central Pacific (Hawaii). (See Table III.)

REMARKS: Workers on Japanese Brachyura from the time of De Haan (1841) have, with one exception, accepted the name *Lyreidus tridentatus* for this species of raninid (Doflein, 1902; Parisi, 1914; Balss, 1922; Yokoya, 1933; Sakai, 1934, 1936; Miyake, 1936; Sakai, 1937, 1965). The name has also been used for speci-