

Lyreidus fossor Bennett, 1964: 24-6, figs. 5-9, 106 (type locality: North of Whale Island, Bay of Plenty, New Zealand, 67fms; holotype (male) in Canterbury Museum, Christchurch).

TYPES: Dr L. B. Holthuis has kindly informed me that the material on which De Haan based his original description of *L. tridentatus* comprises 6 syntypes. On his advice I select the most complete of these as LECTOTYPE: A female, c.l. 40mm, Japan, 1823-1835, P. F. von Siebold and H. Burger, Crust. reg. no. D.23017, a dry specimen with the mouthparts dissected out and pasted on cardboard.

PARALECTOTYPES: Two dry specimens with same data as lectotype; 3 dry specimens, Japan, 1830-1835, H. Burger.

LOCALITIES PREVIOUSLY REPORTED

Japan: "Japan" (De Haan). Kada Bay (Miers). S. of Inuboe-zaki, 196 m. ("Misago" Sta. 113); E. of Bosyu, 117-269 m. ("Misago" Sta's 5, 103, 104, 105) (Yokoya). Tokyo Bay (Doflein, 1902; Parisi; Balss). Sagami Bay (Ortmann; Parisi). Misaki, Sagami Bay, 100 m., 200-300 m. (Parisi; Balss; Sakai, 1937). Dzushi, 130 m., and Ito, Sagami Bay (Balss). Manazuru and Hayama, Sagami Bay (Sakai 1937). Enoshima, Sagami Bay (Parisi). Off Enoshima, 30-80 m., off Kameki reef and off Mitohama, 30-50 m., Sagami Bay (Sakai, 1965). Suruga Bay, 123 m. ("Misago" Sta. 286); S. of Lake Hamana, 172 m. ("Misago" Sta. 195); S. of Sima, Mie-ken, 207 m. ("Misago" Sta. 199); S. of Hamazima, Mie-ken, 93 m. ("Misago" Sta. 365); N.E. of Owrase, Mie-ken, 183 m. ("Misago" Sta. 201); W. of Siwo-misaki, 165 m. ("Misago" Sta. 210) (Yokoya). Tosa Bay (Sakai, 1937). N.E. of Asizurizaki, 223 m. ("Misago" Sta. 226); S. of Kôti, 97 m. and 126 m. ("Misago" Sta's 341 and 406); Bungo Strait, 241 m. ("Misago" Sta. 304) (Yokoya). Nagasaki (Sakai, 1934, 1937). S. of Goto Is, 238 m. ("Misago" Sta. 238); Toyama Bay, 135 m. ("Misago" Sta. 580) (Yokoya). Fukuura (Balss). Off Tori-shima (Ryukyu Islands), 100 fms (Miyake).

South China Sea: Hong Kong (Wood-Mason, 1887).

South Pacific Ocean: Off Kandavu, Fiji Is, 210 fms ("Challenger" Sta. 174) (Henderson). New Caledonia (Ortmann).

Central Pacific Ocean: Hawaii (Tinker).

Australia: Pt Stephens (Haswell). Off Newcastle, 45-50 fms (Ward). Newcastle Bight, 5-7 miles off shore, 26-40 fms ("Thetis" Sta. 22); 6½-8 miles off Newcastle, 42-48 fms ("Thetis" Sta. 25) (Whitelegge). Outside the heads of Pt Jackson (Haswell). Off Pt Jackson, 30-35 fms (Henderson). Off Wata Mooli, 3½-4 miles offshore, 54-59 fms ("Thetis" Sta. 57) (Whitelegge).

New Zealand: Outside Great Barrier I., 120 fms (Chilton). Near the entrance to Hauraki Gulf, probably in about 20-25 fms (Powell, 1947). W. of Aldermen Is., Bay of Plenty, 50 fms; between Mayor I. and Motiti I., Bay of Plenty, 70-100 fms; N.E. of Motiti I., Bay of Plenty, 49 fms; 7 miles S.E. of Whale I., Bay of Plenty (Powell, 1949). Off White I., Bay of Plenty, 113-120 fms; 14 miles E. of Whale I., Bay of Plenty, 105 fms (Dell, 1963). N. of Whale I., Bay of Plenty, 67 fms (Bennett). Three miles N.E. of Hicks Bay, 100-120 fms (Dell, 1963a). Waikawa Point, near C. Runaway, 60 fms (Powell, 1949). "Ex Napier trawlers" (Dell, 1956). "Wellington area, from dogfish stomach" (Richardson and Krefft).

MATERIAL EXAMINED: A total of 243 specimens, as follows—Japan: "Japan", Reiter, 1894, 1 ♂, ca 31mm (SM unreg.—photo only). Japanese Seas, pres. T. Sakai before April 1934, 1 ♂, 39.9mm (AM P.10499), 1 ♀, 41.7mm (AM P.10500). Off Honshu, 65 fms, 7/5/1900, "Albatross" Sta. 3740, 1 ♂, 17.0mm (USNM 57686). Misaki, don. A. S. Pearce, 1 ♂, 28.3mm (USNM 63689). Sagami Bay, Doderlein, 1882, 2 ♀♀, ca 29, 44mm (SM unreg.—photos only).

South China Sea: S. of Hong Kong, 21°04.5' to 21°05'N., 114°30.5'E., 46 fms, mud and coarse sand, Agassiz trawl, 25/7/1965, FHK Sta. 18, 1 juv., 10.9mm (AM P.15784). S.E. of Hong Kong, 21°14'N., 115°18'E., 62 fms, Agassiz trawl, 13/8/1965, FHK Sta. 21, 1 ♀, 28.9mm (AM P.15785). S.E. of Hong Kong, 21°15.2'N., 115°16.4'E., 63 fms, Agassiz trawl, 13/8/1965, FHK Sta. 19, 1 ♀, 24.6mm (AM P.15786). N.E. of Bunguran, 5°41'N., 110°07' to 110°10'E., 103-131 fms, muddy sand, Granton trawl, 6/11/1964, FHK Sta. 41, 1 empty carapace with sternum and mandibles, 22.2mm (AM P.15783).

Central Pacific Ocean: Hawaii, T. Richert, 1 ♀, 20.3mm (WAM 351-67). Hawaii, 200 fms, T. Richert, 2 ♂♂, 2 ♀♀, 16.7-41.7mm (WAM 352-67). Off Sand I., Oahu, Hawaii, 60 fms, 18/7/1959, "Pele" Expedition Sta. 168, 1 juv., 1 ♀, 13.2, 27.8mm (BPBM 6796). Off Waikiki, Oahu, Hawaii, 90-102 fms, "Pele" Expedition, 8/4/1959, 2 juvs., 3.5, 13.5mm (BPBM 6797).

South Pacific Ocean: New Caledonia, Krieger collection, 1864, 2 ♂♂, 37.7, 39.6mm (SM unreg.).