

# NEW RECORDS OF FISHES FROM THE SOUTH-EASTERN AUSTRALIAN CONTINENTAL SLOPE

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## ABSTRACT

*Centrophorus nilsoni* Thompson and *Deania kaikourae* (Whitley) constitute new records for Australia; *Centrophorus scalpratus* McCulloch for Tasmania and South Australia, and *Rexea solandri* (Cuvier and Valenciennes) for South Australia.

## INTRODUCTION

In the course of a deep-lining survey of the south-eastern Australian continental slope during 1950-1955, some species of fish were encountered which proved to be new records; two for Australia, two for South Australia, and one for Tasmania. This was not surprising since most of the fishing was conducted on previously unfished grounds and at depths normally beyond the range of commercial fishing gear.

### CENTROPHORUS SCALPRATUS McCulloch (Endeavour Dogfish)

*Centrophorus scalpratus* McCulloch, Zool. Res. Endeavour 3 (4), 1915, p. 97, pl. 13; Whitley, Fish. Aust. 1, 1940, p. 145, figs. 157-158.

Specimens examined: East of Eden, N.S.W. (33); East of Eddystone Point, Tas. (6); East of Cape Lodi, Tas. (1); East of Cape Forestier, Tas. (1); West of Stokes Point, Tas. (1); South of Port Fairy, Vic. (54); West of Kangaroo Is., S. Aust. (4).

Vertical distribution: 240-440 fathoms.

Length: 500-1160 mm. total length.

Weight: 2½ lb.-18 lb.

Range: Previously recorded from New South Wales and Victoria. Range now extended to include Tasmania and South Australia.

### CENTROPHORUS NILSONI Thompson (Nilson's Dogfish)

*Centrophorus nilsoni* Thompson, Rec. Cantab. Mus. N.Z., 3, 1930, p. 276, pl. 43.

*Centrophorus (Somnispinax) nilsoni* Whitley, Fish. Aust. 1, 1940, p. 146, fig. 160.

Specimens examined: South-west of Port Davey, Tas. (1).

Vertical distribution: 426-430 fathoms.

Length: 1280 mm. total length.

Weight: 26 lb.

Range: Previously recorded from deep water off Kaikoura, New Zealand. Range now extended to include Australia.

### DEANIA KAIKOURAE (Whitley) (Dorian Gray)

*Centrophorus kaikourae* Whitley, Mem. Q'land Mus. 10, 1934, p. 199.

*Centrophorus calceus* (non Lowe) Thompson, Rec. Cantab. Mus. N.Z., 3, 1930, p. 275, pl. 42.

*Deania kaikourae* Whitley, Fish. Aust., 1, 1940, p. 146, fig. 161.

Specimens examined: East of Eden, N.S.W. (1); East of Cape Lodi, Tas. (6); East of Cape Forestier, Tas. (8); East of Maria Is., Tas. (22); South of Pedra Blanca, Tas. (3); South-west of Port Davey, Tas. (3); West of Stokes Point, Tas. (8); West of Cape Wickham, Tas. (2); South of Port Fairy, Vic. (4).

Vertical distribution: 280-600 fathoms.

Length: 690-1150 mm. total length.

Weight: 4 lb.-16 lb.

Range: Previously recorded from deep water off Kaikoura, New Zealand. Range now extended to include Australia.

### REXEA SOLANDRI (Cuvier and Valenciennes) (King Barracouta)

*Gempylus solandri* Cuvier and Valenciennes, "Hist. Nat. Poiss." 8, 1832, p. 215.

*Rexea furcifera* Waite, Rec. Cantab. Mus. N.Z., 1, 1911, p. 236, pl. 52.

*Rexea solandri* Matsubara and Iwai, Pacif. Sci. 6 (3), 1952, pp. 203-207.

Specimens examined: East of Eddystone Point, Tas. (1); East of Cape Lodi, Tas. (11); East of Cape Forestier, Tas. (5); East of Maria Is., Tas. (3); East of Yellow Bluff, Tas. (4); East of Pirates Bay, Tas. (2); East of Cape Pillar, Tas. (3); South of Pedra Blanca, Tas. (2); South-west of South West Cape, Tas. (3); South-west of Port Davey, Tas. (2); West of Stokes Point, Tas. (1); South of Port Fairy, Vic. (3); South-west of Lacey Is., S. Aust. (1).

Vertical distribution: 180-440 fathoms.

Length: 670-910 mm., L.C.F.

Weight: 4 lb.-10½ lb.

Range: Previously recorded from Japan, New Zealand, New South Wales, Victoria and Tasmania. Range now extended to include South Australia.

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