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## Order PROCELLARIIFORMES:

### Albatrosses, Petrels, Prions and Shearwaters

Checklist Committee (1990) recognised three families within the Procellariiformes, however, four families are recognised here, with the reinstatement of Pelecanoididae, following many other recent authorities (e.g. Marchant & Higgins 1990, del Hoyo *et al.* 1992, Viot *et al.* 1993, Warham 1996: 484, Nunn & Stanley 1998, Dickinson 2003, Brooke 2004, Onley & Scofield 2007). The relationships of the families within the Procellariiformes are debated (e.g. Sibley & Alquist 1990, Christidis & Boles 1994, Nunn & Stanley 1998, Livezey & Zusi 2001, Kennedy & Page 2002, Rheindt & Austin 2005), so a traditional arrangement (Jouanin & Mougouin 1979, Marchant & Higgins 1990, Warham 1990, del Hoyo *et al.* 1992, Warham 1996: 505, Dickinson 2003, Brooke 2004) has been adopted. The taxonomic recommendations (based on molecular analysis) on the Procellariiformes of Penhallurick & Wink (2004) have been heavily criticised (Rheindt & Austin 2005) and have seldom been followed here.

### Family HYDROBATIDAE Mathews: Storm Petrels

Hydrobatinae Mathews, 1913: *Birds Australia* 2: 9 – Type genus *Hydrobates* Boie, 1822.

The family name Hydrobatidae for storm petrels has been conserved (see Melville, R.V. 1985, ICZN 1992), over Oceanitidae Forbes, 1882 used by Checklist Committee (1990). We recognise two subfamilies (Hydrobatinae and Oceanitinae) following Olson (1985a), del Hoyo *et al.* (1992: 258) and Penhallurick & Wink (2004). The arrangement of species follows that of Jouanin & Mougouin (1979).

### Subfamily OCEANITINAE Salvin: Southern Storm Petrels

Oceanitinae Salvin, 1896: *Cat. Birds Brit. Mus.* 25: 343, 358 – Type genus *Oceanites* Keyserling & Blasius, 1840.

### Genus *Fregetta* Bonaparte

*Fregetta* Bonaparte, 1855: *Compt. Rend. Séa. Acad. Sci., Paris* 41: 1113 – Type species (by original designation) *Thalassidroma leucogaster* Gould = *Fregetta grallaria leucogaster* (Gould).

*Cymodroma* Ridgway, 1884: *Mem. Mus. Comp. Zool.* 13: 363, 418 – Type species (by monotypy) *Procellaria grallaria* Vieillot = *Fregetta grallaria* (Vieillot).

*Pealea* Ridgway, 1886: *Auk* 3: 334 – Type species (by original designation) *Thalassidroma lineata* Peale = *Fregetta tropica* (Gould).

*Fregettornis* Mathews, 1912: *Birds Australia* 2: 31 – Type species (by original designation) *Procellaria grallaria* Vieillot = *Fregetta grallaria* (Vieillot).

*Fregodroma* Mathews, 1937: *Bull. Brit. Ornith. Club* 57: 145 – Type species (by original designation) *Thalassidroma tropica* Gould = *Fregetta tropica* (Gould).

*Fregetta* Mathews, 1937: *Emu* 37: 142 – Type species (by original designation) *Fregetta melanoleuca* Salvadori = *Fregetta tropica* (Gould). As subgenus of *Fregodroma*.

*Fregandria* Mathews, 1938: *Bull. Brit. Ornith. Club* 59: 10. Unnecessary *nomen novum* for *Fregetta* Mathews, 1937.

### *Fregetta grallaria* (Vieillot)

### White-bellied Storm Petrel

*Procellaria grallaria* Vieillot, 1818: *Nouv. Dict. Hist. Nat., nouv. éd.* 25: 418 – “Nouvelle-Hollande” = Australia. *Procellaria aquerea* Kuhl, 1820: *Beitr. Zool. vergl. Anat.* 1: 138 (ex Banks MS) – 37° S.

*Cymodroma grallaria* (Vieillot); Salvin 1896, *Cat. Birds Brit. Mus.* 25: 366.

*Fregettornis grallarius* (Vieillot); Mathews 1913, *List Birds Australia*: 32.

*Fregetta lineata*; Murphy 1924, *American Mus. Novit.* 124: 7. Not *Thalassidroma lineata* Peale, 1848.

*Fregetta guttata* Mathews, 1933: *Novit. Zool.* 39(2): 44 (key), 46 – Huapu Island, Marquesas Islands.

*Fregettornis grallaria aquerea* (Kuhl); Mathews 1936, *Emu* 36: 98.

*Fregetta grallaria* Checklist Committee 1970, *Annot. Checklist Birds N.Z.*: 30.

A widespread but uncommon subtropical breeding species. Four subspecies: *F. g. grallaria* (Vieillot, 1817) breeds on Lord Howe and the Kermadec Islands; *F. g. leucogaster* (Gould, 1844) on Nightingale, Inaccessible and Gough Islands in the South Atlantic and Roche Quille (off St Paul Island) in the Indian Ocean; *F. g. segethi* (Philippi & Landbeck, 1860) on Santa Clara and Morro Vinillo, Juan

Fernández Islands, and possibly on San Ambrosio, Chile; *F. g. titan* Murphy, 1928 on islets off Rapa (Jouanin & Mougín 1979, Thibault & Varney 1991, Brooke 2004). Apparently disperses northward into the tropics after breeding (Jouanin & Mougín 1979, Marchant & Higgins 1990).

***Fregetta grallaria grallaria* (Vieillot)**

**White-bellied Storm Petrel**

*Procellaria grallaria* Vieillot, 1818: *Nouv. Dict. Hist. Nat., nouv. éd.* 25: 418 – “Nouvelle-Hollande” = Australia.

*Fregetta grallaria* (Vieillot); Bonaparte 1857, *Consp. Gen. Avium* 2: 197. In part.

*Procellaria (Pelagodroma) grallaria* Vieillot; G.R. Gray 1871, *Hand-list Birds* 3: 104.

*Fregettornis royanus* Mathews, 1914: *Austral Avian Rec.* 2: 86 – Lord Howe Island, Tasman Sea.

*Fregettornis insularis* Mathews, 1915: *Austral Avian Rec.* 2: 124 – Lord Howe Island, Tasman Sea.

*Fregettornis alisteri* Mathews, 1915: *Austral Avian Rec.* 2: 124 – Lord Howe Island, Tasman Sea.

*Fregettornis innominatus* Mathews, 1915: *Austral Avian Rec.* 2: 124 – Lord Howe Island, Tasman Sea.

*Cymodroma grallaria insularis* (Mathews); Mathews 1927, *Syst. Avium Australasianarum* 1: 110.

*Cymodroma royana* (Mathews); Mathews 1927, *Syst. Avium Australasianarum* 1: 110.

*Cymodroma howensis* Mathews, 1928: *Birds Norfolk & Lord Howe Islands*: 11 – Lord Howe Island, Tasman Sea.

*Fregetta leucogaster deceptis* Mathews, 1932: *Bull. Brit. Ornith. Club* 52: 146 – New Zealand.

*Fregettornis grallaria innominatus* Mathews; Mathews 1933, *Novit. Zool.* 39(2): 44.

*Fregettornis royana* [sic] Mathews; Mathews 1933, *Novit. Zool.* 39(2): 48.

*Fregettornis grallaria royana* [sic] Mathews; Mathews 1934, *Novit. Zool.* 39(2): 195.

*Fregodroma deceptis deceptis*; Mathews 1937, *Emu* 37: 141.

*Fregetta grallaria* (Vieillot) subspecies; Checklist Committee 1953, *Checklist N.Z. Birds*: 26.

*Fregetta grallaria grallaria* (Vieillot); Checklist Committee 1990, *Checklist Birds N.Z.*: 62.

Breeds on the Kermadec Islands (Macauley and Curtis; Veitch *et al.* 2004) and extraliminally on Lord Howe (Baker *et al.* 2002, McAllan *et al.* 2004). At sea, generally ranges to the north and east of its breeding grounds, including into the eastern tropical Pacific Ocean (Spear & Ainley 2007). Apart from records from the Kermadec Islands, very few records from the New Zealand region: “off New Zealand” (Mathews 1933); Nov. 1969, two off Farewell Spit; Dec. 1969, off the Poor Knights Islands (Jenkins & Croxall 1970); Jul. 1975, Waikawa Beach; Apr. 1978, Ninety Mile Beach; May 1985, Piha Beach (Powlesland 1987); and Jan. 1991, at sea between Hauturu / Little Barrier and Great Barrier (Aotea) Islands (Guest 1992). The Jun. 1987 Hampden Beach record (Powlesland 1989b, Checklist Committee 1990) was a misidentification (Darby & Schweigman 1993), as was the Mar. 1990 Christchurch city specimen (Shand 1992), which is *Oceanites o. exasperatus* (CM Av29600). Given the recent rediscovery of *Pealeornis maoriana*, other records should be treated with caution also. Holocene fossils recorded on Nepean Island, Norfolk Island Group (Meredith 1985b).