

Bulwer's Petrel. At sea off Madeira, North Atlantic. 14th May 2012.
Photo: Killian Mullarney.



List of Fulmarine Type Petrels with References

Compiled by Joe Hobbs



Introduction

I have endeavoured to keep typos, errors, omissions etc in this list to a minimum, however when you find more I would be grateful if you could mail the details during 2017 & 2018 to: josephobbs@gmail.com.

Please note that this and other Reference Lists I have compiled are **not exhaustive** and are best employed in conjunction with other sources.

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The general order of species follows the International Ornithologists' Union World Bird List (**Gill, F. & Donsker, D.** (eds.) 2017. IOC World Bird List. Available from: <http://www.worldbirdnames.org/> [version 7.3 accessed August 2017]).

Version

Version 1.1 (August 2017).

Cover

Main image: Bulwer's Petrel. At sea off Madeira, North Atlantic. 14th May 2012. Picture by Killian Mullarney.

Vignette: Northern Fulmar. Great Saltee Island, Co. Wexford, Ireland. 5th May 2008. Picture by Tom Shevlin.

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Giant Petrels

Southern Giant Petrel

Macronectes giganteus [Gmelin 1789, Staten Island, off Tierra del Fuego].

Breeding: Antarctic peninsula and S Chile & SC Argentina and Falkland Islands, South Georgia, Bouvet Island & South Sandwich Islands (S Atlantic), South Orkney Islands & South Shetland Islands (Southern Ocean / S Atlantic), Crozet, Kerguelen, Prince Edward and Marion Islands & Heard Island (S Indian Ocean) & Macquarie Island (Australia region).

Non breeding: Throughout the southern oceans.

Other names: Giant Fulmar, Stinker, Stinkpot.

1st WP Record: [adult] 2nd November 1967. At sea off Ile d'Ouessant, Finistere, France in position 48°23'N, 5°37'W. Piet Meeth. Northern Giant Petrel is not completely ruled out (Meeth 1969). Possibly the same individual was observed off the Wolf Rock, Cornwall thirteen days previously.

Northern Giant Petrel

Macronectes halli [Mathews 1912, Kerguelen].

Breeding: South Georgia (S Atlantic) and Crozet, Kerguelen & Prince Edward and Marion Islands (S Indian Ocean), Macquarie Island (Australia region), Auckland Islands, Antipodes Islands, Campbell Island & Snares Islands (New Zealand region), The Sisters & The Forty-Fours (Chatham Islands, New Zealand region) and possibly islands off Stewart Island (off South Island, New Zealand).

Non-breeding: Throughout the southern oceans.

Other name: Hall's Giant Petrel.

Robert Hall (1867-1949), Australian ornithologist and founder member of the Royal Australian Ornithologists' Union who served as its President during 1912 and 1913.

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Fulmar

Fulmarus glacialis [Linnaeus 1761, within the Arctic Circle = Spitsbergen].

[*F.g. glacialis*] Breeding: High Arctic regions of the North Atlantic.

[*F.g. auduboni*] Breeding: Low Arctic and temperate regions of the North Atlantic.

[*F.g. rodgersii*] North Pacific.

Non-breeding: S of the breeding grounds.

Other names: Northern Fulmar, Blue Fulmar (a colour phase where the usual plumage is replaced by blue-grey, see Wilson & Flood 2017).

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- Zonfrillo, B.** 1997. Letters: Fulmars feeding on jellyfish and their parasites. *British Birds* 90(7): 293.

Southern Fulmar

Fulmarus glacialoides [A. Smith 1840, Cape seas].

Breeding: Coastal, interior & peninsular Antarctic and Elephant Island, Balleny Islands & Peter the First Island (Southern Ocean) and South Orkney Islands & South Shetland Islands (Southern Ocean / S Atlantic) and South Sandwich Islands & Bouvet Island (S Atlantic).

Non breeding: Throughout the southern oceans N to about 30° S.

Other names: Slender-billed Fulmar, Silver-grey Petrel.

- Ackered, H.** 2003. Atlantic Odyssey - The ultimate pelagic trip? *Alula* 9(2): 42-55 (48).
- Arnould, J.P.Y. & Whitehead, M.D.** 1991. The diet of Antarctic petrels, cape petrels and southern fulmars rearing chicks in Prydz Bay. *Antarctic Science* 3(1): 19-27.
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- Prince, P.A. & Payne, M.R.** 1979. Current status of birds at South Georgia. *British Antarctic Survey Bulletin* 48: 103-118.
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- Weimerskirch, H.** 1989. Weight loss of Antarctic fulmars *Fulmarus glacialis* during incubation and chick brooding. *Ibis* 132: 68-77.
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Antarctic Petrel

Thalassoica antarctica [Gmelin 1789, Antarctic Circle between latitudes 36°S and 61°S].
 Breeding: Coastal & interior Antarctic and nearby islands.
 Non breeding: Throughout the southern oceans N to the region of the Antarctic Convergence.
 Other name: Antarctic Fulmar.

- Ackered, H.** 2003. Atlantic Odyssey - The ultimate pelagic trip? *Alula* 9(2): 42-55 (46).
- Arnould, J.P. & Whitehead, M.D.** 1991. The diet of Antarctic petrels, cape petrels and southern fulmars rearing chicks in Prydz Bay. *Antarctic Science* 3(1): 19-27.
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Cape Petrel

Daption capense [Linnaeus 1758, Cape of Good Hope].

[*D.c. capense*] Breeding: Coastal & interior Antarctic and Elephant Island, Peter the First Island & Balleny Islands (Southern Ocean) and South Orkney Islands & South Shetland Islands (Southern Ocean / S Atlantic) and South Georgia, South Sandwich Islands & Bouvet Island (S Atlantic) and Crozet, Kerguelen & Heard Island (S Indian Ocean).

[*D.c. australe*] Breeding: Auckland Islands, Antipodes Islands, Campbell Island, Snares Islands, Campbell Island, Chatham Islands & Bounty Islands (New Zealand region).

Non breeding: Widely throughout the southern oceans with some following the Humboldt Current N to waters off Peru.

Other names: Cape Pigeon, Cape Fulmar, Pintado Petrel, Pied Petrel, Spotted Petrel, Antarctic Cape Petrel (*capense*), Snares Cape Pigeon (*australe*).

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Snow Petrel

Pagodroma nivea [G. Forster 1777, position lat. 52° S, long. 20° E].

[*P.n. nivea*] Breeding: Cape Denison & Davis (Antarctic), South Orkney Islands & South Shetland Islands (Southern Ocean / S Atlantic) and South Georgia & Bouvet Island (S Atlantic).

[*P.n. major*] Breeding: Balleny Islands (Ross Dependency, Southern Ocean).

There are mixed colonies of Lesser and Greater Snow Petrels at the Geologie archipelago, Adélie Land, Pearson Island & Ardery Island (Antarctic). There is some confusion over which form of Snow Petrel is found at the South Sandwich Islands (S Atlantic), Proclamation Island (Southern Ocean) and Cape Hallett & Cape Hunter.

Non breeding: Southern oceans in the vicinity of the pack ice.

P.n. major replaces *P.n. confuse*.

Both races are treated by Onley & Scofield 2007 as full species. This species was first recorded by Capt. James Cook on the 11th December 1772 at sea in position 51° 50'S, 021° 03'E.

Other names: Lesser Snow Petrel (*nivea*), Greater Snow Petrel (*confusa*).

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Blue Petrel

Halobaena caerulea [Gmelin 1789, in *oceano australi* = Southern Ocean, lat. 58° S].
 Breeding: South Georgia (S Atlantic), E Crozets, Kerguelen & Prince Edward and Marion Islands (S Indian Ocean), Macquarie Island (Australia region) & Diego Ramírez Islands (Chile region, off Cape Horn).
 Non breeding: Throughout the southern oceans.

- Ancel, A. et al.** 1998. Changes in egg and body temperature indicate triggering of egg desertion at a body mass threshold in fasting incubating blue petrels (*Halobaena caerulea*). *Journal of Comparative Physiology B* 168(7): 533-539.
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- Clifford, H.J. & Lawrie, D.A.** 1997. New and rare bird records for Raoul Island. *Notornis* 44: 171-173.
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- Flood, B. et al.** 2013. Tubenoses in the southwest Atlantic in April 2012. *Birding World* 26(7): 304-308 (308).
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Kerguelen Petrel

Aphrodroma brevirostris [Lesson 1831. Cape of Good Hope].

Breeding: Tristan da Cunha groupm Gough Island & South Georgia (S Atlantic), Prince Edward and Marion Islands, Crozets & Kerguelen (S Indian Ocean).

Non breeding: Throughout the southern oceans from the pack-ice N to about 40° S.

Treated by del Hoyo *et al.* 1992 as *Pterodroma brevirostris*.

Synonym: *Lugensa brevirostris*.

Other names: Little Black Petrel, Short-billed Petrel, White-headed Fulmar.

Black, A. et al. 2013. Kerguelen petrel (*Lugensa brevirostris*): a 'new' breeding species for South Georgia. *Antarctic Science* 25(1): 69-70.

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Mascarene Petrel

Pseudobulweria aterrima [Bonaparte 1857, Réunion].

Breeding: Réunion Island (Mascarene archipelago, W Indian Ocean). Historically probably occurred on nearby Rodrigues Island.

Non breeding: Probably remain close to Réunion but some further south in the Indian Ocean.

Treated by del Hoyo *et al.* 1992 as *Pterodroma aterrima*.

Originally known from just four surviving specimens that were collected on Réunion Island during the 19th century. Subsequently there were further records, especially between October and March, in waters to the south of Réunion. These included two specimens collected in the 1970s and a fresh carcass (possibly road kill) in the early 1990s. In the late 1990s a breeding population of approx. 250 pairs was discovered on Réunion (Attié *et al.* 1997). In December 2012 about 30 Mascarene Petrels were observed at sea south of Réunion including an individual clearly showing the bulge of an unlaidd egg in her abdomen (Shirihai *et al.* 2014).

Other names: Mascarene Black Petrel, Réunion Petrel.

- Adams, M.P.** *et al.* 2003. Extinct and endangered ('E&E') birds: a proposed list for collection catalogues. *Bulletin of the British Ornithologists' Club* 123: 338-354.
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Tahiti Petrel

Pseudobulweria rostrata [Peale 1848, mountains on Tahiti at about 6,000 ft.].

[*P.r. rostrata*] Breeding: Nuku Hiva, Hiva Oa & Tahuata (Marquesas Islands, N French Polynesia), Mangareva, Akamaru & Manui (Gambier Islands, Tuamotu Archipelago, French Polynesia), Tahiti & Moorea (Society Islands), Gau (Fiji), Tau Island & Tutuila (Manu Group, American Samoa). Possibly on other islands in the Marquesas, Society & Fiji groups, Vanuatu, Rarotonga & the Cook Islands.

[*P.r. trouessarti*] Breeding: Grand Terre & surrounding islets (New Caledonia, SW Pacific).

Non-breeding: Tropical S Pacific.

Treated by del Hoyo *et al.* 1992 as *Pterodroma rostrata*.

Allen, D. *et al.* 2006. New bird records for the Babuyan islands, Philippines, including two first records for the Philippines. *Forktail* 22: 57-70 (60).

Cheshire, N. 2010. Procellariiformes observed around Papua New Guinea including the Bismarck Archipelago from 1985 to 2007. *South Australian Ornithologist* 36(1-2): 9-24 (13).

Flood, B. 2004. Pelagic Day-Trips off Australia and New Zealand. *Alula* 10(4): 170-180 (171).

Gould, P.J. & King, W.B. 1967. General Notes: Records of Four Species of *Pterodroma* from the Central Pacific Ocean. *The Auk* 84(4): 591-594.

Lambert, K. 2004. Does the Tahiti Petrel *Pseudobulweria rostrata* visit the western Indian Ocean? *Marine Ornithology* 32: 183-184.

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Watling, D. & Lewanavanua, R.F. 1985. A note to record the continuing survival of the Fiji (MacGillivray's) Petrel *Pseudobulweria macgillivrayi*. *Ibis* 127: 230-233.

Watling, D. 1989. A Tahiti Petrel (*Pseudobulweria rostrata*) from Gau Island. *Notornis* 36: 149-150.

Beck's Petrel

Pseudobulweria becki [Murphy 1928].

Breeding: Not known, probably islands in Melanesia (SW Pacific), especially those with mountainous interiors.

Non-breeding: Not known.

Treated by del Hoyo *et al.* 1992 as a race of Tahiti Petrel.

Originally known from two specimens taken at sea during the late 1920s by Rollo Beck; a female from somewhere east of New Ireland and north of Buka, New Guinea and another from north-east of Rendova Island in the Solomon Islands. In May 2007, Hadoram Shirihai confirmed the continued existence of this species in the vicinity of the Bismarck archipelago (Shirihai 2008).

Rollo Howard Beck (1870-1950), American collector specialising in seabirds.

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Fiji Petrel

Pseudobulweria macgillivrayi [G.R. Gray 1860, Ngau, Fiji].

Breeding: Gau (Fiji).

Non-breeding: Not known.

Treated by del Hoyo *et al.* 1992 as *Pterodroma macgillivrayi*.

A single specimen was collected on Gau, Fiji in 1855 by MacGillivray, the naturalist onboard HMS Herald. There were no further records until 1983 and in the following year an adult bird was captured and released on Gau. There have been few sightings since.

Other name: MacGillivray's Petrel.

John MacGillivray (1821-1867), the son of William MacGillivray (of MacGillivray's Warbler), a British naturalist who emigrated to Australia.

Adams, M.P. et al. 2003. Extinct and endangered ('E&E') birds: a proposed list for collection catalogues. *Bulletin of the British Ornithologists' Club* 123: 338-354.

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Le Corre, M. 2008. Conservation biology: Cats, rats and seabirds. *Nature* 451: 134-135.

Mathews, G.M. 1936. A note on the black Fiji Petrel. *Ibis* 6: 309.

Priddel, D. et al. 2008. A review of records and recovery actions for the 'Critically Endangered' Fiji Petrel *Pseudobulweria macgillivrayi*. *Bird Conservation International* 18(4): 381-393.

Shirihai, H. 2004. Pioneering pelagics: Voyage of discovery. *Birdwatch* 143: 36-39 (39).

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Watling, D. & Lewanavanua, R.F. 1985. A note to record the continuing survival of the Fiji (MacGillivray's) Petrel *Pseudobulweria macgillivrayi*. *Ibis* 127: 230-233.

Grey Petrel

Procellaria cinerea [Gmelin, 1789, within the Antarctic Circle = New Zealand seas, lat. 48°S].

Breeding: Tristan da Cunha group & Gough Island (S Atlantic), Prince Edward & Marion Islands, Crozet, Kerguelen & Amsterdam Island (S Indian Ocean), Macquarie Island (Australia region) & Antipodes Islands & Campbell Island (New Zealand region).

Non-breeding: Throughout the southern oceans N to about 25°S

Other names: Brown Petrel, Grey Shearwater, Pediunker.

Barbraud, C. et al. 2009. Estimates of population size of white-chinned petrels and grey petrels at Kerguelen Islands and sensitivity to fisheries. *Animal Conservation* 12: 258-265.

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Bell, E.A. et al. 2013. Notes on the distribution, behaviour and status of grey petrel (*Procellaria cinerea*) on Antipodes Island, New Zealand. *Notornis* 60(4): 269-278.

Brooke, M.deL. 1986. The vocal systems of two nocturnal burrowing petrels, the white-chinned petrel *Procellaria aequinoctialis* and the Grey *P. cinerea*. *Ibis* 128(4): 502-512.

Chastel, O. 1995. Influence of reproductive success on breeding frequency in four southern petrels. *Ibis* 137(3): 360-363.

Duriez, O. et al. 2005. Birds and wildlife of the French sub-antarctic islands: Crozet, Kerguelen and Amsterdam & St Paul. *Dutch Birding* 27(2): 87-115 (plate 121, p. 98).

Flood, B. et al. 2013. Tubenoses in the southwest Atlantic in April 2012. *Birding World* 26(7): 304-308 (308).

Lambert, K. 2001. Sightings of new and rarely reported seabirds in southern African waters. *Marine Ornithology* 29: 115-118.

Lambert, K. 2005. The spatial and seasonal occurrence of seabirds (Aves) off southern Mozambique. *Durban Museum Novitates* 30: 45-60 (50).

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- Newton, I.P. & Fugler, S.R.** 1989. Notes on the winter-breeding Great-winged Petrel *Pterodroma macroptera* and Grey Petrel *Procellaria cinerea* at Marion Island. *Cormorant* 17(1): 27-34.
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- Zotier, R.** 1990. Breeding Ecology of a Subantarctic Winter Breeder: the Gray Petrel *Procellaria cinerea* on Kerguelen Islands. *Emu* 90(3): 180-184.

White-chinned Petrel

Procellaria aequinoctialis [Linnaeus 1758, Cape of Good Hope].

Breeding: Falkland Islands & Tristan da Cunha group (S Atlantic), Prince Edward & Marion Islands, Crozet & Kerguelen (S Indian Ocean) and Disappointment Island (Auckland Islands), Antipodes Islands & Campbell Island (New Zealand region).

Non-breeding: Throughout the southern oceans from the ice-pack N to the sub-tropics.

Other name: Shoemaker Petrel.

- Barbraud, C.** *et al.* 2008. Demographic response of a population of white-chinned petrels *Procellaria aequinoctialis* to climate and longline fishery by catch. *Journal of Applied Ecology* 45: 1460-1467.
- Barbraud, C.** *et al.* 2009. Estimates of population size of white-chinned petrels and grey petrels at Kerguelen Islands and sensitivity to fisheries. *Animal Conservation* 12: 258-265.
- Benhamou, S.** *et al.* 2003. Homing in pelagic birds: a pilot experiment with white-chinned petrels released in the open sea. *Behavioural Processes* 61(1): 95-100.
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- Clark, G.S.** *et al.* 1992. Notes on the seabirds of the Cape Horn islands. *Notornis* 39(2): 133-144 (138).
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- Cooper, J.** *et al.* 1992. The diet of the White-chinned petrel *Procellaria aequinoctialis* at sub-Antarctic Marion Island. *Marine Ornithology* 20: 17-24.
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Spectacled Petrel

Procellaria conspicillata [Gould 1844].

Breeding: Inaccessible Island (Tristan da Cunha group, S Atlantic).

Non-breeding: S Atlantic from the coast of Brazil E to W coast of southern Africa.

Treated by del Hoyo *et al.* 1992 as a race of White-chinned Petrel.

- Adams, M.P. et al.** 2003. Extinct and endangered ('E&E') birds: a proposed list for collection catalogues. *Bulletin of the British Ornithologists' Club* 123: 338-354.
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Parkinson's Petrel

Procellaria parkinsoni [G.R. Gray 1862, New Zealand].

Breeding: Little and Great Barrier Islands (off NE North Island, New Zealand).

Non breeding: E thru sub-tropical & tropical S Pacific towards central America.

Other names: Black Petrel, Black Fulmar.

Sydney Parkinson (1745-1771), English explorer and collector who served on HMS Endeavour under the command of Capt. James Cook as natural history artist.

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Westland Petrel

Procellaria westlandica [Falla 1946, Barrytown, Westland, South Island, New Zealand].

Breeding: Coastal foothills of Paparoa National Park (near Punakaiki, South Island, New Zealand).

Non-breeding: E thru S Pacific to the W coast of S South America.

Other names: Westland Black Petrel, Westland Shearwater.

Baker, A.J. & Coleman, J.D. 1977. The breeding cycle of the Westland Black Petrel (*Procellaria westlandica*). *Notornis* 24: 211-231.

Best, H.A. & Owen, K.L. 1976. Distribution of breeding sites of the Westland Petrel (*Procellaria westlandica*). *Notornis* 23: 233-242.

Brinkley, E.S. et al. 2000. Status of the Westland petrel (*Procellaria westlandica*) off South America. *Notornis* 47(4): 179-182.

Fraser, P.A. 2009. Westland petrels (*Procellaria westlandica*) off the coast of Chile. *Notornis* 56: 98-99.

Freeman, A.N.D. & Smith, P.J. 1998. Iso-electric focusing and the identification of fisheries' waste in the diet of Westland petrels (*Procellaria westlandica*). *New Zealand Journal of Marine and Freshwater Research* 32(2): 177-180.

Freeman, A.N.D. & Wilson, K-J. 2002. Westland petrels and hoki fishery waste: opportunistic use of a readily available resource? *Notornis* 49: 139-144.

Freeman, A.N.D. 1997. The influence of Hoki fishing vessels on Westland Petrel (*Procellaria westlandica*) distribution at sea. *Notornis* 44: 159-164.

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Bulwer's Petrel

Bulweria bulweri [Jardine and Selby 1828, Madeira].

Breeding: Tenerife, La Palma, Gomera, Hierro & Lanzarote (Canary Islands), Graciosa & Santa Maria (Azores), Madeira, Desertas Islands, Great Salvage Island & Cape Verde Islands (N Atlantic), islets off the main and NW Hawaii Island chains (C Pacific), islands off the S coast of China and Bonin (Ogasawara) Islands (Japan region, NW Pacific) S & E to the Marquesas Islands (N French Polynesia). Possibly on islands in the East China Sea & off Taiwan and Marshall Islands (C Pacific) & Phoenix Islands (Kiribati, C Pacific).

Non-breeding: Pan-tropical waters worldwide. Atlantic birds move into W & S Atlantic with some to South Africa, Pacific birds into C & E Pacific and Indian Ocean W to the Maldives.

Rev. James Bulwer (1794-1879), Scottish naturalist and one-time curate at Booterstown Parish in south County Dublin. He collected the petrel on Madeira in 1827.

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Jouanin's Petrel

Bulweria fallax [Jouanin 1955, NW Indian Ocean in posn, lat. 12° 30' N, long. 55° E].

Breeding: Socotra (NW Indian Ocean) & Halaaniyaat Islands (off SE Oman)

Non breeding: NW Indian Ocean S to Mozambique Channel and E towards W coast of India with small numbers to the Bay of Bengal and E Indian Ocean.

Christian Jouanin (1925-2014), French pharmacist, ornithologist and conservationist.

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