Text and images extracted from Heather, B.D. & Robertson, H.A. (2005) The Field Guide to the Birds of New Zealand. Penguin Books, Auckland. Pages 146, 164, 165, 422.

Passerines are the largest group of birds. They are small to medium sized land birds found worldwide, except on Antarctica. All species have four toes, three pointing forward and one back, well-adapted for perching. Most species are song-birds, with complex musical calls, but there are exceptions (e.g. crows). They show great diversity of form, behaviour and breeding biology.

New Zealand, like many other isolated island groups, has a long history of bird extinction. About 32 species died out in the 800 years between the arrival of Polynesians and the arrival of Europeans, most notably all the moa species. In the 200 years since European contact, 9 further species have become extinct, 5 of which have probably died out since 1900. The main factors that contributed to extinction were loss of habitat, introduced mammalian predators and overharvesting.

PIOPIO Turnagra capensis

Probably extinct endemic

26 cm. Plump olive-brown Blackbird-sized forest bird. Upperparts olive brown; upper tail coverts and tail rust red, except olive-brown central tail feathers; short robust dark brown bill; legs dark brown. North I subspecies had white throat; olive-grey breast and belly, the under tail coverts washed yellow. South I subspecies was boldly streaked brown and white below, throat and sides of neck tinged reddish brown, and feathers of forehead, crown and face tipped rust red. Song varied and sustained with 5 distinct bars, each repeated 6–7 times. Common call a short, sharp, whistling cry, quickly repeated.



BIRDS-OF-PARADISE, BOWERBIRDS and PIOPIO

Paradisaeidae

is probably extinct. Until recently, Piopio were considered part of

62 species in Australasia; 1 endemic species

an endemic family (Turnagridae), but now they are treated as part of the birds-of-paradise and **PIOPIO** 327. Turnagra capensis

Other name: New Zealand Thrush Size: 26 cm

Geographical variation: Two subspecies: the North Island Piopio tanagra of the North

Island, and the South Island Piopio capensis of the South Island, Stephens Island and probably Stewart Island. **Distribution:** Probably extinct. Subfossil and

Fiordland to 1963.

midden records are widely distributed from Northland to Stewart Island. Piopio were widespread in forest at the time of European settlement, especially in the southern North Island and most of the South Island, also Stephens Island. In some districts, they were at first common but had all but disappeared North Island was shot at Ohura, southern King Country, in 1902. Reports of sightings, mainly in the Urewera Ranges and inland Wanganui/Taranaki up to the 1950s, could not be confirmed. Few birds were seen in the South Island after the 1880s, but unconfirmed sight records persisted in western Nelson and

by 1900. The last confirmed specimen in the

Likely causes of extinction: The Piopio's rapid decline suggests introduced predators related to the catbirds (a bowerbird) of eastern Australia. These medium-to-large forest birds are renowned for their often bright plumages and/or complex displays, and many varied calls. They eat mainly fruit and insects. Plate 74

bowerbird assemblage, perhaps most closely

or avian disease as possible causes, because

much forest habitat remained. The spread of introduced mammals, particularly cats, Norway rats, ship rats and mustelids, probably contributed significantly to their demise. **Breeding:** The nest was a cup built of twigs and moss, lined with grasses, tree-fern scales or other fine material, in a tree fork usually c. 2 m high. The usual clutch was 2 white or scattered black or brown spots.

pinkish-white eggs (35 x 25 mm) with **Behaviour:** Piopio lived in forest and scrub from the coast to the mountains. They were very tame and readily came around people camping, where they were easily killed by dogs; Sir James Hector on one occasion counted 40 by his camp on the West Coast.

They had a variety of song and calls. Feeding: Diet included invertebrates, often from the forest floor, plus fruits, seeds and

foliage. Reading: Mead, W.P. 1950. Notornis 4: 3-6. Medway, D.G. 1968. Notornis 15: 177-192.

Olson, S.L. et al. 1983. Notornis 30: 319–336.