

## CLASSIFIED SUMMARISED NOTES

30 June 1980 to 30 June 1981

Compiled by D. F. BOOTH

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E & O E

*Abbreviations:* BoP — Bay of Plenty; est. — estuary; FP — Forest Park; FoT — Firth of Thames; NP — National Park; o.p. — oxidation ponds; pen. — peninsula; RP — Regional Park; SF — State Forest; SP — sewage ponds.

### BROWN KIWI *Apteryx australis*

NI: Tangiteroria, 2/1 numerous and calling (TGL). Waitakere Valley, Auckland, 24 from Northland released into F&B Matuku Reserve between Dec 1980 and Mar 1981 (JES, MJT). Mangorewa/Otanewainuku region, north Rotorua, Jan, Feb, May 1981, c.100 heard or reported on survey (GAT). Waikaremoana (NE) Urewera NP, several heard during Dec 1979 (GAT). Eltham Borough, 1 seen Aug 1980 and captured; later released at suitable locality (RWW).

SI: Precipice Cove, Bradshaw Sound, male calling 28/1 (KM). Shark Cove, Dusky Sound, male calling 3/2 (KM).

Stewart I.: Mason Bay, seen Aug 1980 in daytime (GAT).

GREAT SPOTTED KIWI *A. haastii*

Scott Creek, Punakaiki, 1 on 11/11 (PMS).

YELLOW-EYED PENGUIN *Megadyptes antipodes*

Kakanui River Mouth, Otago, 1 on 29/5 (SR). Papanui Beach, Otago pen, 6 on 21/3 — moulting (SR).

BLUE PENGUIN *Eudyptula minor*

Access Bay, FoT, 1 on 4/12 (BB). Stephens Bay, Nelson, 3 on 12/4 in crevice (BE).

WHITE-FLIPPED PENGUIN *E. minor albosignata*

Kaikoura pen., 1 corpse on 25/12 (BE).

FIORDLAND CRESTED PENGUIN *Eudyptes pachyrhynchus*

Kahutara River Mouth, Kaikoura, 1 corpse on 25/7, now at Cant. Mus. (BE). The Pines Beach, Kaiapoi, 1 on 23/3 moulting and in poor condition (JF). Hall Arm/Secretary Island, Fiordland, 36 at sea (DGM).

CRESTED GREBE *Podiceps cristatus*

Lake Rotoroa, Kaikoura, 4 on 23/10 (BE). Lake Brunner, 1 on 19/6 (DJO). Lake Ianthe, South Westland, 1 on 16/9/79 (NW). Lake Mapourika, 2 on 30/3 (SR). Lower Waiau River, Lake Manapouri, 1 on 28/8 (WJC).

NEW ZEALAND DABCHICK *P. rufopectus*

Waiwera Acclimatisation Lake, 3 on 6/2 (TGL). Hardcastle Lagoon, Reporoa, 1 on 2/5 (RMW). Lake Rotomahana, 22 on 8/7/79 in one bay (GAT). Tokaanu Wharf, Lake Taupo, 6 on 26/3 (GMHP). Ahuriri, 14 on 27/7 (KVT). Kautuku Swamp, Hawkes Bay, 5/12, pair with two young chicks (KVT). Manawatu coastal lakes, 20/7, 6 at Foxton Lake (No. 4), 10 at Foxton Lake (No. 3), 5 at Foxton Lake (No. 1) on 21/6 (LJD). Rangitikei coastal lakes, 19/7, 8 at Lake Koitiata, 9 at Lake Heaton (LJD). Waikanae SP, 1-2, 29/3/80; 18, 5/4; 15, 20/4; 14, 12/7; 13, 25/7; down to 0, 23/8; 31/8. 1, 25/12, 31/12; 9, 1/2/81; 8, 6/2; building up to 34, 27/3 and 33, 3/5/81 (CAF). Waimeha Lagoon, Waikanae, resident pair throughout year, displaying after completing moult on 20/4/80; third bird on 17/8, 1 only 18/9, but 2 on 5 and 8/10. Not seen 9/11. 1 on 30/11; 13/12, looking haggard; 2 adults with downy chick 25 and 31/12 (estimated 2 weeks old); surviving and healthy 7/2/81. Single adult wintered (CAF).

HOARY-HEADED GREBE *P. poliocephalus*

Bromley SP, Christchurch, 1 on 28/8 (PMS).

AUSTRALIAN LITTLE GREBE *Tachybaptus novaehollandiae*

Lake Rotoiti, Kaikoura, 2 on 6/9 (BE). St. Anne's Lagoon, 2 on 27/9 in full breeding plumage (PMS); 2 on 28/10 (BRA).

BLACK-BROWED MOLLYMAWK *Diomedea melanophrys*

Hen and Chickens Islands, north of Chickens, 1 adult and 1 immature on 20/5 (CM, TGL). Coppermine Island, 1 adult and 1 juv on 20/5 (TGL). Little Barrier, 1 on 12/7 off to north-east (TGL). Coromandel, off Happy Jack, 1 juv on 27/9 (LJD). Maketu, 1 on

25/5 found alive and released 2 days later (AM). Admiralty Bay, 1 on 2/4 (JMH).

**YELLOW-NOSED MOLLYMAWK** *D. chlororhynchos*

Northern waters, now most numerous mollymawk between May and October (TGL). Bream Bay, 15 on 15/10 (CM, TGL), 11 on 20/5 (TGL). Mayor Island waters, up to 5 present 12/7-10/8 (PCML). Tasman Bay, 26/10, 12-14 miles from land, 1 juv (BH). 1-4/11, 1 juv; Apr 1981, 1 adult, 3 juv (JMH). Admiralty Bay, Apr 1981, 1 juv, 1 adult (JMH).

**BULLER'S MOLLYMAWK** *D. bulleri*

Tasman Bay, 1 or 2 frequently seen (JMH). Pitt, Mangere and South East Islands, odd birds Oct-Dec 1980 (TGL).

**SHY MOLLYMAWK** *D. cauta cauta*

Busby Head, Marsden Point, 1 on 5/10 (TGL). Bream Bay, 1 subadult on 5/10 (CM, TGL). Coppermine Island, 1 juv on 20/5 (TGL). Foxton Beach, 1 on 27/9 passing north (JM, MM). Tasman Bay, up to 20 during Apr, May, June (JMH).

**GIANT PETREL** *Macronectes halli*

Cape Egmont, 1 dead on 20/7 — banded on 24/2/80 at Bird Island, South Georgia, 11 325 km from where found (DGM).

**CAPE PIGEON** *Daption capense*

Takatu-Little Barrier, 1 on 29/7 (TGL). Tasman Bay, seen up to Nov 1980 and again 20-23/4 (JMH). Kaikoura, 30-40 on 27/9 on sea just off wharf; feeding on organisms attracted by light and on small fish (PMS); 200 on 20/6, 29/6 (BE).

**GREY-FACED PETREL** *Pterodroma macroptera*

South Head, Hokianga Harbour, 2 burrows each with egg laid between 22 and 30/6. Up to 11 seen calling overhead on dark evenings from end April to end June (DB). Urenui, North Taranaki, 1 landed at 7.30 p.m. at small mainland colony (DGM, REL, RWW).

**KERGUELEN PETREL** *P. brevirostris*

Waikanae Beach, 1 fresh corpse on 12/7 (CAF).

**KERMADEC PETREL** *P. neglecta*

Cuvier Island, dark-phase bird has continued its summer visiting, but not seen after 15/1 (TGL).

**COOK'S PETREL** *P. cookii*

Northern Chickens Islands, 2 on 4/10 (CM, TGL).

**BLACK-WINGED PETREL** *P. nigripennis*

Cape Maria Van Diemen, 30 on 24/1, killed by cats (CM). Hokianga Harbour entrance, on 2/3 80, pair calling, chasing over sea and nearby steep hill (DB). The Pinnacles, south of Poor Knights, 6 on 14/2 (TGL). Cuvier Island, 4 on 20/1 off landing (TGL). Little Barrier, 1 on 11/3, 3 miles off north-western corner (TGL). Te Arai Bluff, recent remains of one bird on 5/12 (RBS). South East Island, Chatham, 26/1, many seen and heard coming in to summit and along West Coast Track to Skua Gully at night (BHS, JHS).

**CHATHAM ISLAND PETREL** *P. axillaris*

South East Island, Chathams, 27/1, 1 in burrow with egg (BHS, JHS). Only 2 seen during 3 weeks' stay late Nov-Dec 1980 (TGL).

**BROAD-BILLED PRION** *Pachyptila vittata*

South East Island, Chathams, 15/1-27/1, few still coming into burrows (BHS, JHS).

**FAIRY PRION** *P. turtur*

Mangere Island, some thousands nesting on slopes near hut, Oct-Nov 1980. Often taken by skuas (TGL).

**BLACK PETREL** *Procellaria parkinsoni*

Little Barrier, 1 fully fledged late July 1980 about to depart from burrow (TGL). Back Beach, New Plymouth, 1 on 18/5 found alive but later died (REL).

**WESTLAND BLACK PETREL** *P. westlandica*

Tasman Bay, 20 on 4/11 (JMH).

**FLESH-FOOTED SHEARWATER** *Puffinus carneipes*

Tutukaka, 19/4, common offshore (TGL). Bream Bay, 15 on 4 and 5/10 (CM, TGL).

**BULLER'S SHEARWATER** *P. bulleri*

Northland east coast, numerous offshore from early Oct (TGL). Piercy Rock, Northland, 7/12, thousands on calm sea (RBS). Off Waiheke Island, 50+ on 14/3 (BB, JD).

**SOOTY SHEARWATER** *P. griseus*

Busby Head, Northland, 5/10, numerous (TGL). Bream Bay, 20 on 5/10 (CM, TGL). Little Mangere Island, large numbers arriving at dusk, mid-Oct 1980 (TGL).

**FLUTTERING SHEARWATER** *P. gavia*

Cape Brett, 7/12, hundreds (RBS). Bream Head, 28/3, 500 offshore (TGL). Off Waiheke Island, 500+ on 14/3 (BB, JD).

**HUTTON'S SHEARWATER** *P. huttoni*

Kowhai River (south branch), Seaward Kaikoura Mountains, 8 and 9/1 at 4800 feet, 100 banded; numerous (LJD).

**LITTLE SHEARWATER** *P. assimilis*

Chicken Islands, 20/5, numerous offshore to the north (TGL).

**GREY-BACKED STORM PETREL** *Garrodia nereis*

Rabbit Island, Chathams, good population (TGL). South East Island, Chathams, 19/1-27/1, moderate numbers coming in to burrows at night (JHS, BHS). Deep Cove, Doubtful Sound, 2 caught on 29/8 (WJC).

**WHITE-FACED STORM PETREL** *Pelagodroma marina*

Bream Head-Pinnacles (south of Poor Knights), few on 28/3 (TGL). Motuakino Island, Coromandel, 200+ on 25/10, much calling and burrow cleaning (CM). Foxton Beach, 2 on 21/12 passing north close to shore during rough weather (JM, MM). South East Island,

Chathams, 19/1-27/1, coming in at night in large numbers to burrows on forest floor (JHS, BHS).

**DIVING PETREL** *Pelecanoides urinatrix chathamensis*

South East Island, Chathams, 19/1-27/1, half-fledged chick in nest (JHS, BHS).

**AUSTRALASIAN GANNET** *Sula bassana serratior*

Cuvier Island, Jan 1981, several rocks used as roosts (TGL). The Stack, Muriwai, 200 on 15/1; plateau has reached saturation (RBS). Horuhoru Island, Hauraki Gulf, 75 pairs and 50 immatures, mainly well grown to grey speckled stage on 14/3 (BB, JD). Kaiaua, FoT, c.10 on 27/11 feeding in smooth water close inshore; windy and rough further out; unusual record for this area (BB, DGB, RBS). Kaikoura pen, 1 on 9/6 at seal colony (BRA).

**BLACK SHAG** *Phalacrocorax carbo*

Miranda, 137 on 28/4 (AJG, AH, BB). Papakura Dam, Hunua Gorge, on 19/8, 20 adults, 10 chicks on 7 nests (JD). Tuakau, on 9/7, colony of at least 88 in kahikatea, chicks being fed feral goldfish from Waikato R. (BB, DGB, AH). Hardcastle Lagoon, Reporoa, 20 on 2/5 (RMW). Wairau River, Kaituna, 23 on 6/5 (RF). Tuki Tuki River est., 70 on 18/4 (KVT). Waikanae est., 1-13 between 22/3/80 and 31/1/80, maximum in Oct, 13 (CAF). Waikanae SP, 1-14 with highest counts Oct-Dec; 16 on 8/5 included crested adults with filoplumes and yellow gape (CAF). Washdyke Lagoon, 27 on 25/4 (PMS). Christchurch SP, 52 on 13/2 (BRA).

**PIED SHAG** *P. varius*

Manukau census, 233 on 23/11. Hingaia colony, South Manukau on 10/8 had 91 birds, 61 nests; chicks were heard. Colony in gum-trees but 2 nests had pine needles instead of gum leaves (BB). Karaka, 55 on 17/5 (BB). Port Ohope Spit, 12 on 26/10 (RMW). Kaituna R., BoP, 20 pairs on 31/5 nesting, most with well-grown young (new colony) (PCML). Christchurch SP, 6 on 20/3 (BRA).

**LITTLE BLACK SHAG** *P. sulcirostris*

Omapere, on 13/7, 11, only birds seen in area for 3 years (DB). Shoal Bay, Devonport, 50 on 2/7 (NR). Otakawhe Bay, Waiheke, 90 on 25/7 (BS). Te Matuka Bay, Waiheke, 110 on 28/7 (BS). FoT, 47 on 14/12, 27 on 7/6 (BB). Waikato R., Huntly, 60 on 12/5 on stranded tree (RBS). Hardcastle Lagoon, Reporoa, 20 on 2/5 (RMW). Otumoetai Beach, 210 on 24/6 (KICF). Maketu Lagoon, 24 on 21/6 roosting on posts (PCML). Tarawera River, 40 on 4/4 (PCML). Rangitaiki River, 120 on 6/6 (PCML). Ahuriri, 70 on 7/3 (KVT). Foxton Beach, up to 5 in May and June on est. (JM, MM). Manawatu est., 15 on 10/5 (LJD). Waikanae est., 16 on 9/5 (CAF). Waikanae SP, 14 on 31/8 and again in May 1981 (CAF). Wellington Harbour, up to 20 in July-Sept (JM, MM).

**LITTLE SHAG** *P. melanoleucos brevirostris*

Far North dune lakes survey, 156 on 31/1 (MPK). Opononi/Omapere, commonest shag in winter but only juveniles from Oct to Mar (DB). Hobson Bay, Auckland, colony of c.50 pairs. Nesting birds from Aug 1980 to Mar 1981 (MJT). Thames coast, 31 on 21/8 (IS).

Kawakawa Bay, Lake Taupo, on 5/3, 4 nests (2 occupied) under cliff overhang on fallen tree (TBST). Te Awanga, 23 on 16/9 (KVT). Waikanae est., 1-6 with most in Apr and July 1980, 12 in May 1981 (CAF). Waikanae SP, 1-9 usually to be seen (CAF). Kaikoura pen., 16 on 2/6 (BE). Christchurch SP, 41 on 13/2 (BRA).

KING SHAG *Leucocarbo carunculatus carunculatus*  
Kapowai Bay, D'Urville Island, 1 on 2/9 (RGP).

CHATHAM ISLAND SHAG *L. carunculatus onslowi*  
Rabbit Island, Chathams, incubating in first 10 days of Nov 1980, c.60 nests. 140 birds have been counted (TGL).

SPOTTED SHAG *Stictocarbo punctatus punctatus*

Shag Rocks, off Waiheke, 2000+ on 14/3, many immatures (BB). Kaiaua, FoT, 180 on 27/11 fishing very close inshore in sheltered water (BB, DGB, RBS). Whakatiwai, FoT, 150 on 1/12 (AH). Thames coast, 123 on 16/8 (IS). Wilson's Bay, Thames, c.730 on 17/10 (AJG). Black Reef, Napier, 3 on 5/5 (KVT). Bell Block Beach, Taranaki, 1 on 20/1 (DGM). Waikanae est., 6 on 4/4/80 in nuptial plumage; 6 on 8/5/80 (CAF). Tumbledown Bay, Banks Peninsula, 67 on 20/9, 31 nests with new nesting material (PMS).

PITT ISLAND SHAG *S. punctatus featherstoni*

South East Island, Chathams, 19/1-27/1, numerous. 30 juveniles, most still being fed by adults (JHS, BHS). Mangere and Rabbit Islands, Chathams, incubating Oct-Nov 1980. 20 pairs on Rabbit I. on cliff edges (TGL).

WHITE-FACED HERON *Ardea novaehollandiae*

Karaka, 1 with white extending well down neck frequents area (BB). Hardcastle Lagoon, Reporoa, 10 on 2/5 (RMW). Muriwai Lagoon, Gisborne, 50 on 2/3 (BRK). Waikanae SP, 1-2 autumn and winter 1980, 4 on 14/12, 16 on 25/12, 23 on 30 and 31/12, 31 on 1/2, 25 on 6/2 (CAF). Hokitika River mouth, 11 on 16/3/80 (NW). Christchurch SP, 10 on 13/3 (BRA). Lake Ellesmere, 8 on 30/5 seen to catch eels (PMS). Chatham Island, 50 on 14/1 at Lagoon Mouth (JHS, BHS). South East Island, Chathams, 21/1, nest under rock on rocky shore, 3 almost fledged chicks (JHS, BHS). Rabbit Island, Chathams, 1 on 2/11 (TGL).

KOTUKU *Egretta alba*

Rangaunu Harbour, Northland, 2 on 26/8 (BG). Harania Creek, Upper Manukau, 1 on 24/5 (RBS). Papakura, 2 on 7/11 (TRH, TH). Manukau Harbour (from Southern Motorway), 1 on 30/11 (TCC). Karaka, 2 on 22/6 (BB). Sulphur Springs Bay, Rotorua, 1 on 27/6 (RWJ). Tarawera River, 1 on 6/7, 2 on 26/7 (PCML). Manawatu River est., 1 on 10/5 (LJD). Whakaki Lagoon, Wairoa, 1 on 27/7 (GAF). Matata Lagoon, 1 on 3/5 (PCML). Foxton, 3 on Manawatu River "loop" Sep-Oct (JM, MM); 1 on 7/6 (RGP). Bell Block (Henwood Road), New Plymouth, 1 on 17/11 (REL). Waimea est., Nelson, 2 on 8/3 (BE). Totara Lagoon, near Westport, 1 or 2 present April-June 1981 (DJO). Charleston, Westport, 1 on 20/11, 1-2 regularly from 7/3 onwards (DJO).

**LITTLE EGRET** *E. garzetta*

Waikato River mouth, 2 on 10/5 — M & S Graham (per RBS). Lake Rotomanu, New Plymouth, 3 on 1/9/79, 2 on 16/9/79, 2 on 7/10/79; 2 present until 2/11/79, neck and back plumes noted; not observed again until 20/4/80 when 1 present; 1 on 17/5/80 (RWW, DGM, REL). 1 on 19/10 with plumes (RWW). 1 on 2/11 with no plumes (DGM). 1 on 20/4, 10/5, 8/6 (RWW, BS). Westshore, 1 on 30/5 (JL). Ahuriri Lagoon, Napier, 1 on 28/7 (BRK). Manawatu River est., 1 on 3/5, 1 on 19/7 (JM, MM). Waimea est., Nelson, 3 on 8/3 (BE). Westport airport, 1 on 15/5, 1 on 3/6 (DJO). Orowaiti est., Westport, 2 on 24/3/80 (NW), 1 on 15/4/80 (DJO).

**REEF HERON** *E. sacra*

Ngunguru est., 2 on 21 and 22/10 (BDH). Urquharts Bay, Whangarei Heads, 2 on 3/10 (TGL). Man O'War, Waiheke, 1 on 16/10 (GMHP). Opoutere, 3 on 3/1 (PCML). Raglan Harbour, 7 on 28/2 — E F Keeble (per BB). Kawhia Harbour, 1 on 7/9 feeding along receding tideline with White-faced Heron and Cattle Egret (JHS, BHS). Sulphur Point, Tauranga, 3 on 5/10 (JHS, BHS). Mokau River mouth, 1 on 8/1 (RWW). Ohiwa Harbour, 1 on 21/5 (MAW). Tolaga Bay, 1 on 17/1 (MAW). Pair nesting on island off southern point (GAF). Westshore, 1 on 30/5 (KVT). Tuki Tuki River est., 1 on 7/5 (KVT). Mokau, 1 on 26/4/80 (RWW). Bell Block Beach, New Plymouth, 1 on 2/3/80 (RWW). Omata, New Plymouth, 1 on 6/9 (REL). Oakura, New Plymouth, 1 on 28/1 (DGM). Okato, 1 on 24/8, 1 on 29/11 (DGM). Breaker Bay, Wellington, 1 on 10/11/79 (BRA). Motueka Sandspit, 1 on 4/3 (BE). Riwaka, 1 on 12/4 (BE). Kaiteriteri, 1 on 12/5 (BE). Kaikoura, 1 on 12/10, 30/11 and 27/1 (BE). Rangi Unu Wai, Kaikoura Coast, 2 on 29/12 (BE). Halfmoon Bay, Kaikoura Coast, 1 on 6/9 (PJ, PVJ). Torrent Bay, 1 on 4/11 (JMH). Anchor Island, Dusky Sound, 1 on 15/11 (DGM). Mason Bay, Stewart Island, 1 on 23/8/79 (GAT).

**CATTLE EGRET** *Bubulcus ibis*

Parakai, 2 on 25/4, 16 on 8/5 (CE). Mangere SP, 1 on 25/6 (BB). Waitakaruru, FoT, 28 on 3 and 7/8 (BB, DGB, LB, AH, TGL). Rangiriri, 125 on 24/8 (BHS). Rangiriri/Huntly, 16/11, aerial search — none seen (JHS, BHS). Huntly West, 84 on 28/6 (AH). Ohaupo, 3 on 24/8 (BHS). Hardcastle Lagoon, Reporoa, 3 on 9/5 (RMW). Matata, 15 on 6/6 (PCML). Awamata, Wairoa, 2 during May-June 1981 (BRH). Waitara, northern outskirts, 8 on 11/9/79, 9 on 16/9, 12 on 19/9, 10 on 31/10/79 (DGM, RWW); 7 on 15/4/80 (RWW). Okau, North Taranaki, 1 on 15/5/80 (REL). Onaero, North Taranaki, 1 on 9/1/80, 6 on 27/4/80 (REL, RWW). Normanby, South Taranaki, 1 on farm for most of winter 1980 but not seen after Nov 1980 (JM). Harbour Board Farm, Napier, 1 on 7/3 showing buff on breast and back (JL, KVT). Maxwell, Wanganui, 3 on 21/8/79 (JMC). Lake Waikato, Wanganui, 12 on 31/5 (LC). Foxton, 1 on 7/6, flew into tree tops (RGP). Foxton Beach, present at No. 1 lake or Manawatu River est. from July to 29/11 with maximum 67 on the est. on 26/10. Only autumn record, 3 at No. 1 lake on 3/5 (JM, MM). Otorou (between Foxton and Waiterere) 16 on 3/5 (JM, MM). Lake Horowhenua, Levin, 2 on 7/6 feeding in pasture with cattle (RGP). Grove-town, 32 on 1/3 (PJ, PVJ). Orowaiti est., Westport, 3 on 27/2 (DJO).

Kaikoura, 3 on 18/5 (BRA). Arahura Valley, Westland, 2 on 2/12/79 (NW). Kokatahi, Westland, 8 on 11/10/79 (NW). Manapouri, Kepler Farm Block, 2 on 16/5 (KM, JVM).

#### **BITTERN *Botaurus poeciloptilus***

Far North dune lake survey, 11 on 31/1 (MPK). Whataru Bay, Cape Karikari, 2 larger birds, presumably male, chasing and displaying with 1 smaller bird (female?) on 10/11 (FJT). Waiotira, 20/9, first booming heard for season (TGL). Lake Hakaroa, Huntly, 1 on 24/8 feeding at lake edge (JHS, BHS). Matata-Awaiti area, 4 sightings of single birds on 6/7, 23/8, 29/3, 3/5 (PCML). Piako, FoT, 1 on 14/12 (BB). Hardcastle Lagoon, Reporoa, 1 on 2/5 (RMW). Otautu Bay, Lake Rotoehu, 2 on 27/6 (RWJ). Lake Wairarapa (South Access Road), 1 seen on various occasions during Jan 1980 (GAT). Waitangi, Hawkes Bay, 1 on 8/3 (KVT). East Clive, Hawkes Bay, 1 on 19/11 (KVT). Tuki Tuki River est., 1 on 15/7 (KVT). Lake Horowhenua, Levin, 1 on 7/6 (RGP). Ngarara Swamp, Waikanae, 1 on 19/7, 1 on 5/4 (CAF). Waimeha Lagoon, Waikanae, 1 on 5/7 (CAF). Cape Foulwind, 1 on 3/6 (DJO). Upukerora River, Te Anau, 1 on 19/7, 20/7 (KM, JVM).

#### **GLOSSY IBIS *Plegadis falcinellus***

Wairoa, 1 on 7/3 feeding in stagnant water in roadside drain (BRH). Foxton, 1 on 12/10 (LJD). Farewell Spit, 3 on 4/4 at high tide roost with 11 Royal Spoonbills (KM, JVM).

#### **ROYAL SPOONBILL *Platalea regia***

Westshore, 2 on 27/7 (KVT). Manawatu River est., present July to Sep and Dec to June 1981 with maximum of 24 on 2/5 (JM, MM). Farewell Spit, 11 on 4/4 with three Glossy Ibis (KM, JVM). Wairau Bar, 10 on 23/8, 3 with plumes and 3 occupying Pied Shag nests. None on 13/9 (PJ, PVJ). Motueka Sandspit, Nelson, 10 on 28/7 (KLO). Motueka, 21 during April/May 1981 (BE, JMH). Waimea est., Nelson, 12 on 8/3 (BE). Christchurch SP, 2 on 18/12, 3 on 8/1, 2 on 7/1, 21/1, 30/1, 1 on 6/3 (BRA).

#### **MUTE SWAN *Cygnus olor***

Lake Poukawa, Hawkes Bay, 4 on 12/7 (KVT).

#### **BLACK SWAN *C. atratus***

Foxton No. 1 Lake, 125 with 8 broods of young on 25/10 (JM, MM). Waimeha Lagoon, Waikanae, pair with cygnets 25/7/80; well grown 28/9. 3 cygnets on water but adult again sitting on nest 5/10, hatched by 9/11 (still in nest) but on water with parents 15/11 (CAF). Lake Heron, 198 on 26/7 (PMS).

#### **CANADA GOOSE *Branta canadensis***

Tokaanu wharf, Lake Taupo, 16 on 25/3 (GMHP). Hinemaiaia Lake, Lake Taupo, 2 on 24/3 (GMHP). Fitzroy, 27 on 3/5 (DGM). 35 on 5/5 (AB). Bell Block SP, New Plymouth, 2 on 20/10 (RWW, DGM). Lake Rotomanu, New Plymouth, 2 on 16/11 (REL). Harbour Board Farm marsh, Napier, 23 on 4/10 (MC). Kaikoura, 10 on 23/8 (BE). Christchurch SP, 627 on 10/1 (BRA). Lake Heron, 198 on 26/7 (PMS). Wairaki oxbow lagoon, Southland, 108 on 21/2 (MB).



**PARADISE SHELDUCK** *Tadorna variegata*

Ahipara, pair on 26/8 (BG). Trounson Kauri Park, Northland, pair with 7 ducklings on 26/8 (BG). Waiotira, June 1981, 45 on damp pasture (TGL). Dargaville, 1 female and 7 males/immature birds on 23/8 (BG). Clevedon (Balfour Polo Ground), 2 on 10/9 (AJG). Karaka, 12 on 21/6 (BB). Paparimu, 2 on 19/9 (AJG). Whakatiwai, FoT, 2 pairs on 10/5 (AJG). Mangatangi, 24 on 7/6 (BB). Matata Lagoon, 50 on 3/5 (PCML). Foxton No. 1 Lake, 9 on 26/1 (LJD). Waikanae est. 4 on 4/4/80 (CAF). Waikanae SP, 11 on 25/12/80 (CAF). Waimeha Lagoon, during Mar (TJT). Clarence River Headwaters, Nelson Lakes NP, 6 on 11/1 (GR). St. Arnaud, Westland, 18 on 21/1/80 (NW). Begley Valley, Rainbow SP, 4 on 12/1 (GR). Upper Waiau Valley, Canterbury, 6 on 9/1 (GR). Christchurch SP, 211 on 10/1 (BRA). Wet Jacket Arm, Breaksea Sound, 3 on 15/11 (DGM).

**MALLARD** *Anas platyrhynchos*

FoT Census, 6114 on 7/6. More than usual in Manukau Harbour e.g. 1800+ at Karaka shellbanks on 21/6 (BB).

**GREY DUCK** *A. superciliosa*

Miranda coast and south Manukau, a few pairs seen (BB). Hardcastle Lagoon, Reporoa, 20 on 2/5 (RMW). Matata Lagoon, 100+ on 3/5 (PCML). Waikanae SP, 10 on 14/10; 25 on 25/12 (CAF). Upper Wairau River, 8 on 31/12 (PJ, PVJ).

**GREY TEAL** *A. gibberifrons*

Mangere SP, 100 on 11/5 (RBS). Karaka, up to 20 in winter 1980 (BB). Miranda, 25 on 7/6 (BB). Meremere, 30 on 28/6 at Island Block Road bridge (AH). Lake Hakaroa, Huntly, 4 on 24/8 (JHS, BHS). Kaituna Cut, BoP, counts of 50-60 on 17/1 and 8/3 (PCML); 103 on 5/2 (GAT). Sulphur Bay, Rotorua, 111 on 4/5 — winter count (GAT). Muriwai Lagoon, Gisborne, 30 on 16/3 (BRK). Harbour Board Farm marsh, Napier, 90 on 30/5 (KVT). Waikanae SP, 4 on 12/10 (CAF). Charleston, Westport, 1 on 2/4 and 9/4 (DJO). Rotoiti, Kaikoura, 4 on 6/9 (PJ). Hokitika SP, 2 on 7/4/80 (NW). Lake Heron, 4 on 26/7 (PMS). Washdyke Lagoon, 12 on 24/4 (PMS). St Anne's Lagoon, 29 on 6/12 (BRA). Waikouaiti Lagoon, 200+ on 4/3 (MB). Lake McGregor, 104 on 3/3 (MB). Lake Te Anau, maximum count during May and June 60 on 1/6 (KM, JVM).

**BROWN TEAL** *A. chlorotis*

Whangaparapara, Great Barrier, 3 tiny ducklings seen in harbour (A Forgie per AJG).

**NEW ZEALAND SHOVELER** *A. rhynchotis*

Mangere SP, 30 on 11/5 (RBS). Karaka, 28 on 10/8 (BB). Access Bay, FoT, c.8 on 25/4 (TC). Maioro, near Waiuku, 44 on 31/5 (BB, AJG, GMHP). Lake Hakaroa, Huntly, 12 on 24/8 (JHS, BHS). Taharoa, 13 on 6/9 (JHS). Hardcastle Lagoon, Reporoa, 400 on 2/5 (RMW). Lake Opouri, Volcanic Plateau, 20 on 4/7/79 (GAT). Muriwai Lagoon, Gisborne, 36 on 16/3 (BRK). Bell Block SP, New Plymouth, 2 on 20/10 and 9/11 (RWW). Lake Rotomanu, New Plymouth, 7 on 19/10; 1 on 9/11; 2 on 16/11 (RWW); 6 during late Nov 1980 (REL). Ahuriri, 180 on 31/8 (KVT). Foxton No. 1 Lake, 26 on 26/1 (LJD). Waimeha Lagoon, Waikanae, 90 on 22/3/80

(CAF). Lake Grassmere, 10 on 6/9 (PJ). Lake Rotoiti, Kaikoura, 13 on 12/12 (BE). Lake Te Anau, maximum count during May and June — 42 on 24/5 (JVM).

#### BLUE DUCK *Hymenolaimus malacorhynchos*

Lake Whakamaru, 1 on 14/5 (GAT). Waipakihi River, Kaimanawa FP, 9 on 16/5 (GAT). Apiti Stream, Urewera NP, 4 adults and 2 chicks on 16/11/79 (GAT). Maitai River, Nelson, 1 on 5/8 and 6/8 (KLO). Riwaka River, Tasman Bay, 1 on 5/8 (KLO). Brook River, Nelson, 1 on 5/5 (BE). Spey River/Mica Burn junction, 1 on 29/8 (WJC). Wairau River, Marlborough, 1 on 11/1 at Six Mile Creek (PVJ). Begley Valley, Rainbow SP, 2 on 12/1 (GR). Taipo River, Otago, 6 on 15/5 (SR). Oteha River (Upper), Arthurs Pass, 2 on 19/4/80 (GAT). Deep Cove, Doubtful Sound, 3 on 19/4 (WJC). Lyvia River, Doubtful Sound, 1 male on 16/11 (WJC).

#### NEW ZEALAND SCAUP *Aythya novaeseelandiae*

Far North Dune Lakes Survey, 22 on 1/2 (MPK). Whakatiwai, FoT, 1 on 1/12 on shingle ponds — an unusual record (AH). Hardcastle Lagoon, Reporoa, 15 on 2/5 (RMW). Lake Mangamahoe, New Plymouth South, 61 on 2/11 (DGM). Ahuriri, 2 on 27/7 (KVT). Waimeha Lagoon, Waikanae, 1 on 29/1/80; also at irregular intervals later in year (CAF). Rotoiti, Kaikoura, 25 on 6/9 (PJ). The Lakes, Kaikoura, 41 on 6/9 (BE). Lake Tennyson, 4 on 10/1 (GR). Lake Mahinapua, Westland, 6 on 30/3/80 (NW). Lake Te Anau, near Internal Affairs Wildlife Park, 150 on 9/5 and 21/6 (JVM).

#### AUSTRALASIAN HARRIER *Circus approximans*

Onewa Lagoon, Northcote, Sep 1980, pair successfully reared chick (JPW). Lake Tennyson, 1 on 10/1 (GR). Malings Pass, Waiau Valley, Canterbury, 2 on 9/1 (GR). Christchurch, 8 on 6/3 (BRA).

#### NEW ZEALAND FALCON *Falco novaeseelandiae*

Mt Ngongotaha, 2 on 6/12 seen over bush and giving whistle call (GAT). Mokau River, 1 on 28/12, 8/1 and 12/1 (RWW). Egmont NP (Upper Puniho Rd), 2 in Jan 1980 (RWW). Okato, 1 May 1981 (REL). Pukeiti Reserve, New Plymouth, 1 on 27/10 (REL). Holly Swamp, Egmont NP, 1 during Oct 1980 (AB). Apiti Stream Hut, Urewera NP, 1 on 16/11/79 (GAT). Umakarikari Trig, Kaimanawa SFP, 1 on 18/5/80 (GAT). Middle Hill Hut, Kaweka SFP, 4 during Feb 1980 (GAT). Wairau River, 1 on 25/1 at Six Mile Creek (PJ). Ward, on 25/3, a large and a smaller bird sitting on macrocarpa hedge while third bird called from a distance but did not come closer than 500 yards; would call 7 times a minute, stop for a few minutes, and start again. The two birds made short flights with the smaller one swooping on the larger playfully. Later both made dives at a Harrier which flew off (TJT). Waitaki River, Benmore Dam, 2 on 29/12 (LJD). Mt Robert, Nelson Lakes NP, 2 on 24/4 (GR). Mt Fyffe, Kaikoura, 1 on 2/4 caught skylark (GR). Hodder Valley, Inland Kaikoura Range, 1 on 25/10 (GR). Upper Waiau, Canterbury, 2 on 9/1 (GR). Mawhera SF, Westland, 2 on 11/2/80 (NW). Milford Track, 2 on 23/2 (JVM).

#### NANKEEN KESTREL *F. cenchroides*

North Westport, 1 mid-September to 24/10 (DJO).

**PHEASANT *Phasianus colchicus***

Rotoehu SF 88, very common along dirt roads in all pine stands, especially recently thinned stands with a grass and scrub ground storey (GAT). Motueka, more common than in previous years — numerous sightings, maximum 4 on 11/4 (BE).

**BROWN QUAIL *Synoicus ypsilophorus***

North Cape, 8 on 20/1 (CM). Bland Bay, on 8/5, flocks up to 20 in manuka fringe (SP). Rangiriri and Lake Whangape, singles seen on 24/8 (BB, AJG, JT). Mt Maunganui-Maketu, only single birds seen where once flocks of 8 or so were not uncommon (PCML). Mangatoi Station, Upper Mokau River, recorded as numerous (REL).

**PEA FOWL *Pavo cristus***

Mahia Peninsula, 40 on 10/8 — feral population seen on roadside (GAF).

**BANDED RAIL *Rallus philippensis***

Waiohira, 2 in Feb 1981 on roadside (TGL). Whangaparapara, Great Barrier, 2 on 25/1 — one quite tame; takes crumbs put out for hens (AJG). Opoutere, 2 on 3/1 (PCML). Clevedon, 9/3, calls heard at Landing (AJG). Kawhia Harbour inlets, 5 on 6/9 (CM). Kinohaku, Kawhia, 5 on 6/9 (JHS). Maketu Lagoon, 4 on 31/5 (PCML). Matata, BoP, 2 on 26/5 (MAW). Dickers Road bridge, Tasman, 4 on 6/4 (BE). Golden Bay estuaries 1980: Puponga Inlet, 1 on 27/3; Parapara Inlet (footprints) 14/3; Takaka River mouth (footprints) 5/3; Motupipi Inlet, 2 seen and 2 heard on 3/3; Awaroa Inlet, 1 seen and footprints on 8/3 (KLO).

**WEKA *Gallirallus australis***

Whangamumu, 9/5 to 16/5 loud evening chorus (SP). Davies Bay, Queen Charlotte Sound, 4 on 12/3 (GR). Barrytown, 1 on 26/1 feeding on sheep carcase (NW). Milford Track, pair with 3 young on 28/2 (JVM). Secretary Island, Fiordland, 2 on 16/11 (DGM). Deep Cove Hostel, Doubtful Sound, 1 on 14/11 (DGM). Vancouver Arm, Breaksea Sound, 1 on 15/11 (DGM).

**MARSH CRAKE *Porzana pusilla***

Awapuni Lagoon, Wairoa, 1 on 10/3 (BRH). Rotorua, Kaikoura, 1 on 6/9 (PJ, BE). Appleby, 6 seen at various times during March/April 1981 (BE). Riverslea Farm Settlement, Manapouri, on 15/2, 2 flushed from *Juncus pallidus* (KM).

**SPOTLESS CRAKE *P. tabuensis***

Whangamumu, 10/5, heard calling and bird seen (SP). Whitford, 1 heard during winter census 1980 (CM). Awapuni Lagoon, Wairoa, 1 on 10/3 (BRH). New Plymouth (Carrington Road), 4 responded to tape on 7/10/79 (RWW). Ngarara Swamp, Waikanae, tape response Apr 1980 (CAF).

**AUSTRALIAN COOT *Fulica atra australis***

Lake Pupuke, Takapuna, 1 on 26/7 and 30/7 (EP). Lake Rotoiti, near Ohau Channel outlet, 5 adults plus 3 chicks on 24/2 (GAT). Wairaki Oxbow Lagoon, Southland, 1 pair with 3 well-grown chicks and 1 pair with 1 small chick 21/2 (MB). St Anne's Lagoon, 3 on 28/10, 2 on 6/12, 7 on 10/6 (BRA). Thornbury, 1 on 29/5 (OJL).

SOUTH ISLAND PIED OYSTERCATCHER *Haematopus finschi*

Houhora, 13 on 15/12 (RBS). Whangarei Harbour surveys, 1535 Jul 1980; 350 Nov 1980; 1566 Mar 1981 (MPK). Pt Chevalier, 60 on 23/12, joining Pied Stilts at full tide in public park (RBS). Mangere, on 20/3 and 5/7, albino showing a few dark feathers (RBS). Mangere SP, 1 albino on 20/7 amongst 3000 (DGB). Manukau Harbour census, summer 6108 on 23/11; winter 22 299 on 5/7 (BB). Mataitai, South Auckland, 500 on 22/2 (GMHP). FoT census, 1730 on 14/12; 9807 on 7/6 (BB). FoT, more and more are feeding inland on sodden pastures (RBS). Mokau, 22 on 30/9/79; 43 on 26/4/80 (RWW). Manawatu est., 74 on 8/2 (LJD). Waikanae est. (and nearby beach), 35 on 23/11/80; 24 on 24/1 (CAF). Avon-Heathcote est., 2161 on 5/7; 363 on 16/11 (BRA).

VARIABLE OYSTERCATCHER *H. unicolor*

Whangarei Harbour surveys, 19 in Jul; 67 in Nov; 31 in Mar (MPK). Tamaki est., 3 (2 black) on 24/5 (RBS). Browns Island, Hauraki Gulf, 2 on 23/8; 2 on 25/10 (GMHP). Manukau Harbour, 8 on winter census (BB). Muriwai Lagoon, Gisborne, 5 on 16/3 and 1/6 (BRK). Manawatu River est., 6 on 8/2 (LJD). Akitio River mouth, Wairarapa coast, 2 on 27/10 (LJD). Waikanae est., up to 21 Apr 1980. Nest with 3 eggs on 14/12 — hatched 26/27 Dec but 2 chicks survived to flying stage and no longer with parents after Mar (CAF). Avon Heathcote est., 4 on 5/7, 2 on 4/10 (BRA). Okarito, 5 on 16/9 (NW).

CHATHAM ISLAND OYSTERCATCHER *H. chathamensis*

Mangere Island, 2 pairs with 1 juvenile each on 15/1. South East Island, 19/1-27/1, 9 pairs, 4 juveniles and 2 other birds — total 24. Pitt Island, 4 on 28/1, 1 pair with nest and 2 eggs (JHS, BHS).

SPUR-WINGED PLOVER *Vanellus miles novaehollandiae*

Far North lakes survey, 9 on 31/1 (MPK). Parengarenga, 3 on 19/1 (CM). Ahipara-Sweetwater Road, Northland, 1 heard and 2 others seen on 8/11 (FJT). Pukekawa, 3/4 up to Dec (DMW). Whangamarino Swamp, Meremere, nest with four eggs on 25/9 (PM). Piopio, 3 Aug-Dec (PM). Karapiro (Gorton Road), 2 on 20/9 (TBST). Tapuwaeroa River, East Coast (NI), pair breeding 31/12/70 (GAT). Waiwakaiho River mouth, 5 on 4/4 (DGM) and on 10/5 (RWW). Urenui, North Taranaki, 2 during late Aug 1979 and 20/9/79 (MP, RWW). Mimi Stream mouth, North Taranaki, 2 on 20/8/79 and 7 on 20/4/80 (MP, RWW). Lake Rotomanu, New Plymouth, 2 on 9/10 (REL). Muriwai, Gisborne, 5 on 3/7 (BJ, SJ); 4 on 30/1 (AB); 47 on 15/2 (BJ, SJ). Frasertown, Hawkes Bay, 1 on 12/10 present for 2 weeks (GAF). Whakaki, Wairoa, 7 on 1/10 (GAF). Westshore, 15 on 19/5 (CS, RG). Poukawa, 2 on 12/7 (MC). Tukipo Stream, Central Hawke's Bay, 9 on 12/2 (RFW). Tukituki River/Kahahahuri Stream, 17 on 10/1 (RFW). Manawatu est., 2 on 17/8; 3 on 8/3 (LJD). Foxton Beach, 4 pairs — 3 with broods of well-grown young, seen along 5 km of back roads on 6/9 (JM, MM). Lake Station, Upper Buller, 50 on 26/12 (PJ). Totara Flat, Ikamatua, 20 on 9/5/80 (NW). Hokitika River mouth, 20 on 29/6/80 (NW). Wainono Lagoon, South Canterbury, 44 on 5/1 (LJD). Queenstown Airport, 12 on 14/11 (DGM). Chatham Island, 1 pair with juvenile on 14/1 (JHS, BHS).

GREY PLOVER *Pluvialis squatarola*

Karaka, 1 on 26 and 28/1 (DMS). Waitakaruru, FoT, 1 on 14/12 (DMS). Farewell Spit, 1 on 4/4 with black axillaries and white rump clearly seen (KM, JVM).

LEAST GOLDEN PLOVER *P. fulva*

Paua, Parengarenga, 300 on 25/11 in paddock (JHS, BHS). Whangarei Harbour surveys, 91 Nov (MPK). Mangawhai, 10 on 26/10 (RNT). Pollen Island, Auckland, 7 on 29/12 (CJ). Karaka, 7 on 8/10, 15 on 26/10 (KJF); 42 on 18/1 (BB). Weymouth, 6 on 29/11 (BJB). Matakaitai, South Auckland, 4 on 22/2, 2 on 29/3 (GMHP). FoT census, 149 on 14/12 (BB). Port Ohope Spit, 33 on 9/1 (WMH). Kaituna Cut, 14 on 10/2 (WMH). Muriwai Lagoon, Gisborne, 38 on 30/1 (AB), 48 on 16/3 (BRK). Westshore, 25 on 28/3 included 5 in nuptial plumage (KVT). Manawatu River est., present from 11 Oct to 12 Apr with maximum of 27 on 15/2 (JM, MM), 46 on 8/3 (LJD). Ashley est., 4 on 27/12 (BRA). Lake Ellesmere, 43 on 4/1, 28 on 11/1 (JF); 29 on 11/1 (PMS).

NEW ZEALAND DOTTEREL *Charadrius obscurus*

Rarawa Beach, 2 pairs on 26/11 (JHS, BHS). Ngunguru Sandspit, 5 pairs 21/10 (3 nests with 1, 2, 3 eggs) (BDH). Whangarei Harbour surveys, 8 in Jul; 11 in Nov; 13 in Mar (MPK). Palmers Beach, Great Barrier, 3 on 25/2 (AJG). Oyster Point, Kaipara Harbour, 10 on 2/5 (RBS). Rocky Bay, Waiheke, 6 on 13/10 (pair nesting) (GMHP). Awaararoa Bay, Waiheke, 6 on 15/10 (chick caught) (GMHP). Omaru Spit, Matarangi Beach, 22 on 14/12 (GMHP). Matakaitai, 24 on 25/4 (AJG). Manukau census, summer 18, winter 36 (BB). Karaka, maximum 10 on 15/2 and 20/4 (BB). FoT census, summer 12, winter 13 (BB). Whakatiwai, FoT, 12 on 14/5 (HN). Port Waikato, 8 on 9/12 (HN). Onemana Beach, Coromandel, 3 on 31/12 (GAT). Waihi Beach, 2 on 17/8 (LS). Maketu est., 4 on 5/2 (GAT). Maketu, 12 on 20/7, 16 on 23/1 (PCML). Rangitaiki River mouth, 1 on 30/5 (PCML). Tarawera River mouth, 2 on 23/8 and 17/5 (PCML). Port Ohope Spit, 2 on 26/10 (RMW). Kawhia, 16 plus 2 juveniles on 21/2 (BHS). Sulphur Point, BoP, 30 on 10/4 (KICF). Waikanā est., 1 on 11/10, seen sporadically Dec/Jan (CAF). Motueka Sandspit, 1 during Feb (BE, JMH). Otamarakau River mouth, 2 on 18/4 (PCML). Awarua Bay, 1 on 16/2 (KM, JVM).

RED-CAPPED DOTTEREL *C. alexandrinus*

Lake Ellesmere, 1 on 24/1 — male in full breeding plumage (PMS).

BANDED DOTTEREL *C. bairdii*

Whangarei Harbour surveys, 65 Jul; 0 Nov; 9 March (MPK). Jordans, Kaipara, 180 on 12/3 (RBS). Traherne Island, Waitemata Harbour, 70 on 25/4 (GMHP). Matakaitai, 45 on 29/3 (GMHP). Manukau census, summer 1; winter 481 (BB). Miranda, 75 on 9/4 (RBS). FoT census, summer 8; winter 120 (BB). Tauranga Airport, large flock wintering (KICF). Harbour Board docks, Tauranga, 26/10, pair nesting on empty log-storage space (KICF). Maketu Lagoon, 70 on 8/3 (PCML). Sulphur Point, Rotorua, 9 on 20/11 (GAT). Mt Tarawera Plateau, 6 pairs (one pair displaying territorial behaviour) on 31/12/79 (GAT). Muriwai Lagoon, Gisborne, 55 on 2/3 (BRK).

New Plymouth Airport, 47 on 1/6 (DGM). Te Hauke, 60 on 12/7 (KVT). Westshore, 10 on 28/3 (KVT). Tukituki River, 10 on 6/11 (KVT). Porangahau, 65+ on 18/4 (BDH). Rangitikei River mouth, 50+ on 10/5 (BDH). Manawatu River est., 101 on 8/3 (LJD). Ohau, 42 on 2/5, most in breeding plumage (BDH). Waikanae est., 22 on 2/5 (CAF). Buller River, Harleys Rock, pair on 18/10 (PJ). Kaikoura Peninsula, 25 on 9/4 to 9/5 (SR); 71 on 31/5 (BE). Hokitika River mouth, 65 on 10/2/80 (NW). Ahuriri River, Lake Benmore, 42 on 30/12 (LJD). Lake Ellesmere, c.1000 on 30/5 (PMS). Aparima River (between Wrey's Bush bridge and Thornbury — 35 km), 23 pairs on 27/10 (MB). Chatham Island, 2 on 14/1 at lagoon entrance (JHS, BHS).

#### MONGOLIAN DOTTEREL *C. mongolus*

Kidds Bay, Karaka, 3+ on 31/12, 4 on 14/1 (RBS). FoT, 1 on 27/11 and 25/3 (BB). Miranda, 1 on 27/11 (RBS); 1 on 26/1 (RMW); 1 on 26/4 (GMHP). Waikariri River, Canterbury, 1 on 27/10, 15 km upstream on sand/silt riverbed (GAT).

#### LARGE SAND DOTTEREL *C. leschenaultii*

Kidds Bay, Karaka, 1 on 23/11 (BB); 2 on 31/12, 2 on 23/3 (RBS); 1 on 21/6 (BB). Karaka, 1 on 7/3 (JHS, BHS); 1 on 5/4 (GMHP). Access Bay, FoT, 1 on 30/4 (TC). Miranda, 1 on 14/12 (BB); 1 on 26/1 (RMW). Maketu est., 1 on 5/2 associating with Turnstones (GAT). Ashley est., 1 on 14/12 and stayed until at least 16/5 (PMS).

#### BLACK-FRONTED DOTTEREL *C. melanops*

Access Bay, FoT, 3 on 10/5 (CM). Whakatiwai, FoT, 1 on 14/5 (HN). Kaituna Cut, 1 on 21/6 (PCML). Tukituki River est., 3 on 30/5 (KVT). Tutaeakuri River est., 8 on 12/11 (KVT). Wairau Lagoon, Marlborough, 7 on 11/5 (BE). Opihi Rivermouth, 5 on 3/5 (PMS). Spider Lagoon, South Canterbury, 2 on 21/9 (PMS). Aparima River, Southland, 2 pairs plus 1 on 25/10 (RRS). Thornbury, 4 on 30/7 on turnip ground (OJL).

#### NEW ZEALAND SHORE PLOVER *Thinornis novaeseelandiae*

South East Island, 19-28/1, 145 counted including 28 juveniles. Also 6 downy chicks and nest with 2 eggs (JHS, BHS). 26/11-19/12, 101 birds, not including young of the year; 22 nests found; first chicks seen on 28/11 — usual clutch 3 eggs (TGL).

#### WRYBILL *Anarhynchus frontalis*

Whangarei Harbour surveys, 71 Jul, 0 Nov, 151 Mar (MPK). Oyster Point, Kaipara, 118 on 2/5 (RBS). Pollen Island, Waitemata Harbour, 16 on 30/8 (GMHP). Mangere SP, 200 on 29/8, 200 on 11/5 (RBS). Manukau Harbour, 2 on census day 23/11; winter census 597 but Karaka alone had 800 on 21/6 (BB). FoT, summer census, 16 on 14/12; 2500 at Swallow Pools on 25/3; winter census 3728 on 7/6 (BB). Sulphur Point, BoP, 136 on 10/4 (KICF). Kaituna Cut, 10 on 31/5 (PCML). Uawa River est., Tolaga Bay, 25 on 25/1, 1 on 17/4 (GAF). Muriwai Lagoon, Gisborne, 57 on 23/2 (AB); 48 on 2/3, 52 on 6/1 (BRK). Bell Block SP, New Plymouth, 1 on 28/10/79 (in breeding plumage) (DGM, REL). Porangahau, 38 on 30/3 (EJK); 18 on 18/4 (BDH). Manawatu est., 24 on 5/4 (LJD). Lake Waira-

rapa, 3 on 8/2 (BDH). Lake Ellesmere, 20 on 5/1, 30 on 24/1, 10 on 22/2, 6 on 30/5 (PMS).

#### FAR-EASTERN CURLEW *Numenius madagascariensis*

Paua, 7 on 25/11 (JHS, BHS). Manukau Harbour, 6 on summer census 23/11; 3 at Karaka on 8/3 (BB). Kidds Bay, Karaka, 4 on 2/3 (RBS). FoT, summer census, 9 on 14/12, 5 on 14/3 (BAE); 4 on 25/3 (BB, AH, SMR); 3 asleep on beach at Kaiaua on 1/5 (RBS); winter census 4 on 7/6 (BB). Kawhia Harbour, 1 on 3/5 (LS). Manawatu River est., present from 27/9 to 15/3, maximum 3 (JM, MM, LJD). Uawa River est., Tolaga Bay, 1 on 15/1 (GAF). Farewell Spit, 2 on 4/4 (KM, JVM). Oreti est., 6 on 22/12 (KM, JVM).

#### ASIATIC WHIMBREL *Numenius phaeopus variegatus*

Paua, 13 on 25/11 (JHS, BHS). Manukau Harbour, summer census, 3 on 23/11; Karaka, 5 on 8/3 (BB). Mangere SP, 1 on 1/2 (CM). FoT, 1 on 4/3 at Miranda (EJK); 4 on 11/5 at Kaiaua (HN); Waitakaruru, 1 on 28/12 (CM). Kawhia Harbour, 1 on 21/2 (BHS). Port Ohope Spit, 4 on 26/10 (RMW). Westshore, 2 on 25/3 (KVT). Okato, 1 corpse in paddock on 25/10/79 (REL). Bell Block SP, New Plymouth, 1 on 20-27/10 (REL, RWW, DGM). Ashley est., 1 on 2/12/19 (BRA); 1 on 30/11 feeding on crabs (PMS). Invercargill est., 1 on 6/12 (MB).

#### AMERICAN WHIMBREL *N. phaeopus hudsonicus*

Paua, 1 on 25/11 (JHS). Manukau Harbour census, 2 on 23/11, 4 on 5/7 (BB). Muriwai Lagoon, Gisborne, 1 on 2/3 and 16/3 (BRK).

#### LITTLE WHIMBREL *N. minutus*

Lake Ellesmere, 1 on 5/1 (JF, PMS); 2 on 11/1 and 1 on 22/2 (JF).

#### WHIMBREL sp.

Awaawaroa, Waiheke, 1 on 24/1 (GMHP). Matarangi Beach, Coromandel, 1 on 24/12 with godwits (GMHP). Whitford, 1 on 25/9 (GMHP). FoT, summer census at Piako, 19 on 14/12 (BB).

#### ASIATIC BLACK-TAILED GODWIT *Limosa limosa melanuroides*

Mangere SP, 1 on 18/2 (SMR). 2 on 4/4 roosting with Pied Stilts (per Mr and Mrs Graham — RBS); 1 on 24/2 (CM). Ashley River est., 2 on 2/12/79 (BRA).

#### HUDSONIAN GODWIT *L. haemastica*

Mangere SP, 1 on 14/1, 1/2, 24/2 (CM). Avon-Heathcote est., 1 on 17/8, 1 on 15/9 (BRA).

#### EASTERN BAR-TAILED GODWIT *L. lapponica*

East Beach, Kaimaumau, 2000+ on 27/11 (JHS, BHS). Ngunguru, 24 on 21/10 (BDH). Whangarei Harbour surveys, 73 Jul; 1280 Nov; 2692 Mar (MPK). Ruakaka, 30 on 15/1 (BDH). Te Matuku Bay, Waiheke, 85 on 16/10 (GMHP). Mataitai, 250 on 26/10; 35 on 29/3 (GMHP). Manukau Harbour, 550 at Karaka 10/8 and 14 000 on 26/10 (KJF); summer census 15 985; 500 on 24/4 (KJF); winter census 1493 (BB). FoT, summer census, 7199 on 14/12; winter census 561 (BB). Port Waikato, 60 on 3/5 (AH). Matahui Point, Tauranga, c.3000 on 28/3 (PCML). Maketu Lagoon, c.550 4/2-8/3

(PCML). Kawhia Harbour, 1929 on 21/2 (BHS). Muriwai Lagoon, Gisborne, 166 on 2/3 (BRK). Mimi River est., North Taranaki, 1 on 20/9/79 (MP). Bell Block SP, New Plymouth, up to 18 between 14/10 and 11/11/79; up to 6 between 19/10 and 27/10/80 (RWW, REL, DGM). Wairoa River est., Hawkes Bay, 180 on 12/10 (GAF). Porangahau, 20 on 18/4 (BDH). Manawatu est., 390 on 8/3, 8 on 7/6 (LJD). Waikanae est., 1 female several dates between 11/10/80 and 9/5 (CAF). Hokitika River mouth, 2 on 29/10 (NW). Okarito, 6 on 15/9/79 (NW). Heathcote-Avon, 1125 on 27/12/79 (BRA). Lake Ellesmere, 2 on 5/1; 5 on 24/1 (PMS).

#### GREENSHANK *Tringa nebularia*

Far North dune lakes survey, 1 on 1/2 (MPK). Te Werahi Stream, Cape Reinga, 1 on 24/1 (same location as sighting by CAF 13/2/78) (RNT, GE, CM, VHH). Matahui Point, Tauranga, 1 on 28/3 (PCML). Bell Block SP, New Plymouth, 1 on 19/10 (RWW, REL, DGM). Lake Wairarapa, 1 on 17/4 (EJK). Awarua Bay, 2 on 16/2 (KM, JVM). 1 on 23/5 (EJK).

#### MARSH SANDPIPER *T. stagnatilis*

Access Bay, FoT, 1 on 10/5 and on 17/5/80 (CM); FoT census, 1 on 14/12 at Miranda (BB).

#### WANDERING TATTLER *T. incana*

Kaikoura Peninsula, 2 on 7/12 (BE); 1 on 9/4 in breeding plumage (SR).

#### SIBERIAN TATTLER *T. brevipes*

Access Bay, FoT, 1 on 17/5/80 (CM). Karaka, 1 on 5/4 (GMHP, TJL) and regularly seen; still present 22/6 — rested with mixed waders in fields and fed actively on mudflats (BB). Farewell Spit, 1 on 4/4, faint barring, white undertail coverts, flight calls *ter-wer-wee* (KM, JVM). Kaikoura, 1 on 28/9 feeding among rockpools (PMS); 2 on 29/10 (BRA); Armers Beach, Kaikoura, 4 on 17/1 (JF).

#### COMMON SANDPIPER *T. hypoleucos*

Mangere SP, 1 on 23/11 (RNT); 1 on 1/2 (CM).

#### TEREK SANDPIPER *Xenus cinereus*

Kidds Bay, Karaka, 1 on 14/1 (RBS); Karaka, 3 on 13/7 (BB), 2 on 26/10 (KJF); 1 thereafter and still present 20/4 (BB). FoT, 1 in summer (BB); Miranda, 1 on 31/8 (GMHP). Manawatu River est., 1 seen from Jul to 12/4 (JM, MM, LJD). Waimakariri River mouth, 1 on 11/4 (GAT). Oreti est., 1 on 22/12 (JVM).

#### TURNSTONE *Arenaria interpres*

Paua, 900 on 25/11 (JHS, BHS). Whangarei Harbour surveys, 5 in Jul, 33 in Nov, 12 in Mar (MPK). Ruakaka, 20 on 15/1 (BDH). Tamaki Sandspit, 8 on 20/6 (GAT). Manukau Harbour census, summer 474; winter 139 (BB). Miranda coast, flocks often visit stony or poorly grassed paddocks — 30 on 27/11, 120 on 14/3 (RBS). FoT census, summer 191, winter 14 (BB). Maketu Lagoon, 33 on 14/12 (PCML). Bell Block SP, New Plymouth, 2 on 22/10/79, 5 on 28/10/79 (DGM, REL). Tutaekuri River est., 6 on 8/11 (KVT). Manawatu River est., 8 on 23/11 (LJD). Motueka sandspit, 200 on 26/2 (BE). Kaikoura (seal colony carpark), 200 on 16/11/79 (BRA). Kaikoura Peninsula,



40 on 9/4 (SR), 68 on 30/10 (BRA). Ashley River est., 6 on 30/11 (PMS). Lake Ellesmere, 5 on 11/1 (PMS). Chatham Island, 6 on 14/1 at lagoon entrance (JHS, BHS).

CHATHAM ISLAND SNIPE *Coenocorypha aucklandica pusilla*

Mangere Island, 15-18/1, present in Robin Bush, some with downy and fully fledged chicks (JHS, BHS). South East Island, 19-28/1, present; adult probing in litter for insects, which were picked up by chick (JHS, BHS).

KNOT *Calidris canutus*

East Beach, Kaimaumu, 2500 on 25/11 (JHS, BHS). Whangarei Harbour surveys, 0 Jul, 90 Nov, 3045 Mar (MPK). Ruakaka, 46 on 15/1 (BDH). Manukau Harbour census, 21 990 on 23/11, 12 000 of these at Karaka and same number still present 5/12; 11 500 on 8/3. Winter census total 3575 (BB). Miranda, 500+ on 26/1 (RMW). FoT, summer census 7438; winter census 505 (BB). Maketu Lagoon, 60 on 17/1 (PCML). Muriwai Lagoon, Gisborne, 4 on 2/3 (BRK). Bell Block SP, New Plymouth, present from 14/10/79 to 11/11/79 — up to 28 (RWW, DGM, REL); up to 7 between 25/10 and 2/11 (DGM, REL). Lake Rotomanu, New Plymouth, 21 on 30/10 (RH). Wairoa River est., Hawkes Bay, 25 on 12/10 (GAF). Tutaekuri River est., 16 on 5/12 (JL). Manawatu River est., 158 on 8/2 (LJD). Waikanae est., 10 on 18/10 (CAF). Motueka sandspit, 40 on 30/4 (BE). Ashley River est., 19 on 30/11 (PMS). Lake Ellesmere, 11 on 5/1 (PMS).

SHARP-TAILED SANDPIPER *C. acuminata*

Mangere SP, 1 on 26/9 (GMHP, SMR). Karaka, 5 on 18/1 (AH); 14 on 26/1 (DMS); 7 on 15/2 (BB). Kidds Bay, Karaka, 13 on 31/12, 5 on 2/3 (RBS); 11 on 13/3 (BHS). FoT census, summer 3 on 14/12 at Miranda; winter 4 on 26/4 (BB, GMHP). Miranda, 3 on 26/1 (RMW); 3 on 9/4 in bright breeding plumage (RBS). Kaituna Cut, 7 on 10/2 (WMH); 10 on 8/3 (PCML). Harbour Board marsh, Westshore, 3 on 7/3 (KVT). Tutaekuri River mouth, Hawkes Bay, 1 on 23/10 (BRK). Manawatu River est., 3 on 31/12, 7 from Jan to 15/3 (JM, MM, LJD).

PECTORAL SANDPIPER *C. melanotos*

Kaituna Cut, 1 on 14/12 and 8/3 (PCML). Muriwai Lagoon, Gisborne, 1 on 30/1 (AB); 1 on 2/2 and 16/3 (BRK). Lake Wairarapa, 2 on 17/4 (EFK). Manawatu River est., 1 from 2/1 to 1/3 (JM, MM); 2 on 8/3 (LJD). Armers Beach lagoon, Kaikoura, 1 on 12/10 (BE). Spider Lagoon, South Canterbury, 1 on 27/12 (PMS).

CURLEW SANDPIPER *C. ferruginea*

Paua, 17 on 25/11 (JHS, BHS). Whangarei Harbour survey, 5 in Mar (MPK). Kidds Bay, Karaka, 2 on 31/12 (RBS). Manukau Harbour census, summer, 5 on 23/11; 4 at Karaka on 17/5; 2 on 21/6; winter, 1 (BB). Miranda, 21 on 19/10 — 2 seen pursuing a Little Tern, which finally dived into water (JHS, BHS). FoT census, summer 35 on 14/12; most seen 38 on 26/4 when majority highly coloured and only 2 pale (BB, AJG, AH, GMHP). Miranda, 3 on 31/8 (GMHP); 5 on 26/1 (RMW); 30 on 9/4 (RBS). Kaituna Cut, 1 on 21/6 (PCML). Tutaekuri River est., 5 on 23/10 (BRK); 6 on 17/12 (KVT).

Manawatu River est., 1 from 20/7 to 12/10 (JM, MM); 2 on 23/11 (LJD). Farewell Spit, 17 on 4/4 (KM, JVM). Lake Ellesmere, 2 on 11/1, 17 on 24/1, 20 on 28/2, 2 on 30/5 (PMS). Awarua Bay, 12 on 16/2 (KM, JVM).

#### RED-NECKED STINT *C. ruficollis*

Tapora, 23 on 23/11 (JHS, BHS). Karaka, 26 on 4/3 (JHS, BHS); 23 on 13/7, 24 on 10/8, 26 on 8/10 (BB, AH, KJF). Manukau Harbour census, summer, 25 on 23/11; 31 on 7/12, 30 on 8/3, 2 on 20/4, 3 on 17/5, 6 on 22/6 (BB, AH, KJF). FoT, 5 on 27/11; 4 on summer census and on 25/3 (BB). Miranda, 1 on 26/1 (RMW). Kaituna Cut, 5 on 23/1; 3 on 8/3 and on 21/6 (PCML). Muriwai Lagoon, Gisborne, 36 on 23/2 (AB). Bell Block SP, New Plymouth, 4 on 14/10 79 (RWW). 1 on several occasions between 22/10/79 and 11/11/79 (REL, DGM). Tutaekuri River est., 3 on 23/10 (BRK); 2 on 17/12 (KVT). Porongahau, 5 on 18/4, two well reddened (BDH). Manawatu River est., 6 on 8/3 (LJD). Ashley River est., 1 on 30/11, 2 on 14/12 (PMS); 2 on 6/12 (BRA). Lake Ellesmere, 15+ on 5/1. 50+ on 24/1, 59 on 28/2, 5 on 30/5 (PMS).

#### SANDERLING *C. alba*

Awarua Bay, 2 on 9/12 (MB).

#### PIED STILT *Himantopus himantopus leucocephalus*

Whangarei Harbour surveys, 645 Jul; 218 Nov; 417 Mar (MPK). Manukau Harbour census, summer 1115; winter 4079 (BB). FoT census, summer 908; winter 2078 (BB). Auckland suburb, 72 on 29/8 on remnant of St John's lake (RBS). Meremere, 300+ including a very conspicuous albino on 21/6 (RBS). Taupiri, 1 on 17/6, albino with greyish underwing (SMR). Maketu Lagoon, Kaituna Cut and adjacent fields, 500 on 31/5; 700 on 21/6 (PCML). Sulphur Point, Rotorua, 101 on 20/11; 121 on 4/5 (GAT). Muriwai Lagoon, Gisborne, 260 on 23/2 (AB). Bell Block SP, New Plymouth, 68 on 28/10/79 (DGM, REL). Lake Wairarapa, 340 north end and 122 south end on 8/2 (BDH). Manawatu River est., 320 on 2/5 (JM, MM). Lake Horowhenua, albinistic adult 3 to 8/3; body and wings white except for many black secondaries and inner primaries and scattered black patches on upperwings and sides of head and neck (BDH). Waikanae est., 78 on 4/4/80. Pair with eggs 11-18/10/80. 4 pairs nesting on driftwood 14/12 (CAF). Washdyke Lagoon, 122 on 24/4 (PMS). Christchurch SP, 100 on 10/1 (BRA).

#### BLACK STILT *H. novaeseelandiae*

Wiroa Island, Auckland Airport, 1 on 4/5 — totally black, including underwing. Also present 2 smudgy birds with white patches on upper breast and head, together with partial albino with light brown markings on back — these four birds were roosting with a flock of 150 Pied Stilts. 2 on 31/5 — 1 totally black, the other with a small patch of white under tail (BG). Manurewa, Jan/Feb, 1 all black but for a little white around bill and at vent (BB). Karaka, 1 juvenile 24/5 (CM). Whangapoua causeway, Coromandel, 1 on 8/3 all black except for white around bill and on belly towards undertail (PD). FoT, 1 wintered in 1980 (BB). Kawhia, 8 on 29/6 and on 21/2 (JHS, BHS). Manawatu River est., 1 smudgy bird 16/8 until 15/3 (JM, MM, LJD).

BDH). Whanganui Inlet, Nelson, 1 immature smudgy bird on 1/4/80 (KLO). Lake McGregor, 1 on 3/3 (MB).

**SOUTHERN GREAT SKUA** *Stercorarius skua lonnbergi*

Mangere Island, 80 resident birds Oct (TGL). South East Island, 100 Oct (TGL).

**POMARINE SKUA** *S. pomarinus*

Whangarei Harbour, 2 on 13/2 (TGL, CM). Muriwai, 1 on 9/11 (CM). Access Bay, FoT, 1 on 21/2 (CM).

**ARCTIC SKUA** *S. parasiticus*

Omapere, 1 on 25/4 (DB). Waiheke, on boat trip around island, 5+ on 14/3 (BB, JD). Manukau Harbour and FoT, present Nov-Mar; on 25/3, 1 seen to chase a Black-backed Gull at Kaiaua (BB, AH). Papamoa Beach, 1 dark phase on 24/2 (PCML). Tarawera River mouth, 3 dark and 1 pale phase on 29/3; 1 dark phase on 4/4 (PCML). Charleston, Westport, 1 on 20-22/3 (dark phase) (DJO). Arahura River mouth, Westland, 3 on 8/2/80 (NW).

**BLACK-BACKED GULL** *Larus dominicanus*

Manukau Harbour census, summer 616; winter 737 (BB). FoT census, summer 772; winter 1966 (BB). Manawatu River est., 380 on 1/3 (JM, MM).

**RED-BILLED GULL** *L. scopulinus*

Manukau Harbour census, winter 970 (BB). FoT census, winter 2345 (BB). Wairoa River, Hawkes Bay, 3 on 6/5 — first seen from Mohaka to Mahia for about 6 years (GAF).

**BLACK-BILLED GULL** *L. bulleri*

Kaiaua, 101 on 7/6, some on sodden paddocks with Pied Stilts (RBS, BB). Tarawera River mouth, 11 on 30/5 (PCML). Muriwai Lagoon, Gisborne, 72 on 23/2 (AB). Mokau, 1 on 26/4 (RWW). Mokau River mouth, 1 on 12/1 (RWW). Tutaekuri River est., 300 on 9/5 (KVT). Lake Poukawa, 20 on 12/7 (KVT). Manawatu River est., 9 on 7/6 (LJD). Waikanae est., 22 on 20/9 (CAF). Lake Wairarapa, 70+ at north end on 8/2 (BDH). Hutt River (below Melling Bridge), 30 on 11/5 (CAF). Rotoiti, Nelson Lakes NP, 5 on 30/8 (PJ). Hokitika River mouth, 300 on 11/5/80 (NW). Wainono Lagoon, 56 on 5/1 (LJD).

**WHITE-WINGED BLACK TERN** *Chlidonias leucopterus*

Whakatiwai, FoT, 1 on 27/11 fed over shingle ponds or roosted precariously on power wires in high wind (BB, DB, RBS); still present and seen at Kaiaua on 24/5 (AJG, BDH). Bell Block SP, New Plymouth, 1 on 20/1/80 and 4/4 in winter plumage (DGM). Waitangi marsh, Hawkes Bay, 1 on 8/11 (KVT). Opihi River mouth, 1 on 3/5 in full breeding plumage roosting with Black-fronted Terns (PMS). Invercargill est., 1 on 6/12 (MB).

**GULL-BILLED TERN** *Gelochelidon nilotica*

Ashley River, est., 1 on 24/8 (JF).

**CASPIAN TERN** *Hydroprogne caspia*

Whangarei Harbour surveys, 12 in July; 12 in Nov; 6 in Mar (MPK). Manukau Harbour census, summer 57, but Karaka had 46

on 13/7 and 111 on 2/9; winter 172 (BB, AH). FoT census, summer 49; winter 92 (BB). Waikato Heads, colony 76 adults and 3 juveniles on 3/5 (AH). Kawhia Harbour, 29 on 29/6/80; 103 on 21/2 (JHS, BHS). Sulphur Point Bay, Rotorua, 18 on 4/5 (GAT). Wherowhero Lagoon, Muriwai, Gisborne, 2 on 28/9, 5 on 15/2 (BJ, SJ). Mokau River, 1 on 9/1 (RWW). Bell Block SP, New Plymouth, 4 on 3/11/79 (REL). Cape Egmont, Okato, Oakura, Bell Block, Waitara, Mokau, 20/7-27/11 observations of up to 3 birds (DGM, RWW, REL). Tuki-tuki River est., 28 on 1/4 (KVT). Manawatu River est., 25 on 8/3 (LJD). Waikanae est., 17 on 20/9 (CAF). Seal Island, Kaikoura, 2 on 27/1 (BE). Ashley River est., 1 on 30/11 and 12 on 20/6 (PMS). Heathcote-Avon, 6 on 15/9 (BRA). Opihi River mouth, 13 on 3/5 (PMS). Porarai River mouth, Westland, 4 on 26/1/80 (NW).

#### BLACK-FRONTED TERN *Sterna albostrata*

Rangitaiki River mouth, 32 on 6/6 feeding along surfline (PCML). Tutaekuri River est., 5 on 28/7 (BRK); 60 on 3/6 (KVT). Manawatu River est., 1 on 8/3 (LJD). Lake Horowhenua, 2 on 9/1 feeding over lake; only previous record 2 seen by E. B. Jones on 26/8/65 (BDH). Waikanae est., 9 on 5/7/80, 5 on 4/4, 10 on 2/5, 3 on 17/5 (CAF). Motueka River, 30 on 6/3 (BE). Kahutara River, Marlborough, 18 on 15/12 (BE). Seddon, for a week during mid-June, 100 feeding (TJT). Upper Wairau Valley, Westland, 2 adults, 1 juvenile on 21/1/80 (NW). Ashley River est., 10 on 2/2/80, 48 on 19/7 (BRA); 212 on 20/7; 8 on 16/5; 25 on 20/6 (PMS). Ahuriri River, Lake Benmore, 43 on 30/12 (LJD). Doctor's Creek, south of Kurow, 14 on 4/3, hawking over paddock (MB). Hedgehope, 31 on 13/6 (MB). Aparima River (between Wreys Bush bridge and Thornbury — 35 km), 8 on 27/10 (MB).

#### ARCTIC TERN *S. paradisaea*

Tarawera River mouth, 1 on 17/5 (PCML).

#### FAIRY TERN *S. nereis*

Whangarei Harbour survey, 10 in Mar (MPK). Waipu River wildlife refuge, pair on 6/1, courtship display (AHG). Sulphur Point, Tauranga, 1 on 24/1 (JF).

#### LITTLE TERN *S. albifrons*

Rangiputa Bank, Rangaunu Harbour, 57 on 27/11 (JHS, BHS). Whangarei Harbour survey, 3 in Nov (MPK). Bucklands Beach, 1 on 20/10 (SP). Kidds Bay, 12 on 27/10 (RBS). Manukau Harbour census, summer 12 (BB). FoT census, summer 10, still 6 on 28/4 at Access Bay (BB, AH, AJG). Miranda, 9 on 14/3; present all summer (RBS). Maketu-Kaituna Cut lagoons, 2 on 14/12 and 8/3 (PCML). Port Ohope spit, 2 on 26/10 (RMW). Muriwai Lagoon, Gisborne, 1 on 30/1, 2/2 and 2/3 (BRK). Lake Horowhenua, 2 on 29/11 in non-breeding plumage; Ohau est., 4 on 2/5 (BDH). Charleston, Westport, 1 on 6/10, 1 immature on 15/4 (DJO). Lake Ellesmere, 1 on 28/2 roosting with Black-fronted Terns (PMS). Invercargill est., 1 on 16/12 (MB). Oreti River est., 1 on 22/12 with nesting White-fronted Terns (KM, JVM). Paterson Inlet, Stewart Island, 5 on 10-13/3 — southernmost record in NZ (GJHM).

**WHITE-FRONTED TERN *S. striata***

Oaia, 200 on 30/8 (RBS). Manukau Harbour census, summer 33; winter 121 (BB). FoT census, summer 1224; winter 236 (BB). Tutaekuri River est., 500 on 27/9 (JL). Manawatu River est., 84 on 8/3 (LJD). Nelson Harbour entrance, 1400 during Apr (JMH). East Head, Kaikoura Peninsula, 27/10-31/12 maximum c.300; c.292 eggs on 17/11 (BE). Ashley River est., 332 on 16/5 (PMS). Okarito Lagoon mouth, 110 on 2/6/79 at 10 a.m. (GAT).

**GREY TERNLET *Procelsterna cerulea***

Sugarloaf Rock, south of Poor Knights Islands, 7 on 14/2, 3 on 28/3. No evidence of breeding during 1980-81 season (TGL, CM).

**NEW ZEALAND PIGEON *Hemiphaga novaeseelandiae***

Manurewa, 2 or 3 persist in suburban Hill Road garden eating taraire, totara, kahikatea and maire berries (JD). Karaka, 1 on 24/4 among Knots (KJF). Gisborne, pair Apr-Jun in suburban plantation (AB). New Plymouth, 13 on 1/2 in one tree (RWW). Maraetotara, 4 on 2/5 (KVT). Davies Bay, Queen Charlotte Sound, 2 on 12/3 feeding on tawa fruit (GR). Peel Forest Bush Reserve, 6 flying on 29/3 (BHS). Te Anau, present all winter 1980 but not seen May/June 1981. Maximum around township 55 on 3/8. Feeding flocks on white clover Te Anau-Manapouri, 17, 66 and 81 on 3/8 (JVM). Lake Manapouri, Hope Arm and Back Valley Tracks, 1 on 18-21/5 feeding on kahikatea, miro, putaputaweta and broadleaf fruits (KM, JVM).

**CHATHAM ISLAND PIGEON *H. novaeseelandiae chathamensis***

Flight of 8 over Tuku camp 21/12 (TGL).

**ROCK PIGEON *Columba livia***

Kinikini, Mahia Peninsula, 200 on 10/8 living in sea caves (GAF).

**WHITE COCKATOO *Cacatua galerita***

Waiuku Forest. 1 regularly flies from roost south of Waikato over river to feed in pines (BB, JD). Sutherland's Bush, Turakina Valley, 4 on 14/3 (LJD).

**KAKA *Nestor meridionalis***

Hotwater Beach, Coromandel, 1 possibly 2 on 25/7 (and 3 weeks previously) (DM). Castor Bay, Auckland, 1 on 26/4 (RD). Meadowbank, Auckland, 1 on 9/6 (SMR). Cornwall Park, Auckland, 1 on 2/8 (PM). Kaiaua, FoT, 2 around village from Sept (JWW). Papamoa, 1 on 12/5 (PCML). Te Puke, 2 on 26/8 (PCML). Whirinaki and Pureora Forests, heard daily (JGI). Lake Waikaremoana, Whanganui Hut, 12 on 11/1 at 7 p.m. feeding on flowering rata (BB). Tauranga-Taupo River headwaters, Kaimanawa Ranges, on 26/10 numerous in tops beech forest (BB). Egmont NP, 1 heard Jan 1980 between Pouakai and Kaitake Ranges (JMC). Mt Marchant Ridge, Tararua Range, 2 on 19/1 (BG). Mt Whore, D'Urville Island, 1 on 16/6/80 heard calling (KLO). St Arnaud Range, heard 30/12 (PJ). Wakamarina Valley, Mt Richmond FP, 2 on 6/5 (GR). Travers Valley, Nelson Lakes NP, 2 on 4/1 in beech forest (GR). Teetotal Bush. Buller River, 2 on 18/1 (PJ). Hope River, Canterbury, 1 on 30/1 heard calling up valley from Jacob Hut (SCS). Lake Te Anau, Ten

Mile Bush, 1 on 10/5 (KM, JVM). Stewart Island, North Coast, 1 on 29/2 (SR).

**KEA *N. notabilis***

Brown Acre, Nelson, 10 on 15/3 (BE). Mt Robert, Nelson Lakes NP, 3 adults on 24/4 (GR). Travers Saddle, Nelson Lakes NP, 5 adults and 2 juveniles on 5/1 (GR). Hodder River headwaters, Inland Kaikoura Range, 2 on 25/10 (GR). Kowhai River, South Branch, Seaward Kaikoura Mountains, 9 on 9/1 at 4800ft (LJD). Kaikoura, 1 on 15/7 (BE). George Sound, on 4/3, adult regurgitating fuchsia fruit to young bird (KM).

**EASTERN ROSELLA *Platycercus eximius***

South Hokianga, observed feeding on seeds from *Pinus pinaster* cones, willow leaf buds, groundsel flowers and biting open puriri flowers for nectar (DB). Browns Bay, Auckland, pair on 31/8 (DFB). South Auckland, becoming more numerous in outer suburban areas as well as scrubby edges of farmland and bush (BB). Athenree Gorge, near Waihi, 3 on 28/3 (PCML).

**RED-CROWNED PARAKEET *Cyanoramphus novaezelandiae***

Opuawhanga, Northland, 1 seen on 14/5/80 (JFK).

**YELLOW-CROWNED PARAKEET *C. auriceps***

Cuvier Island, several in January 1981 (TGL). Hope River, Canterbury, on 30/1 common in bushed flats between Jacob Hut and Kiwi Stream (SCS). Poulter River, Arthurs Pass, 1 on 17/6/79 (GAT). Hollyford and mid-Pyke River Valleys, 20 counted between 1/5 and 8/5 (SR).

**SHINING CUCKOO *Chrysococcyx lucidus***

Opuawhanga, Northland, heard from 29/9 (JFK). Waiotira, 24/2, young bird being fed by Grey Warbler (TGL). Waiotahi River, Urewera NP, 5 on same branch on 12/11/79 (GAT). Remuera, 9/10 first song (RBS). Te Matai, Otanewainuku, Jan common (GAT). Papamoa Beach, 1 on 25/11 (PCML). Rotorua SF, Dec common (GAT). Braggs Bush, Manawahe, BoP, 1 on 19/10 (RMW). New Plymouth, 1 on 30/3 (REL). Motueka, 4 on 3/3 (BE). Charleston, Westport, 1 on 30/3 (DJO). Punakaiki, Westland, 1 on 2/10 (DJO).

**LONG-TAILED CUCKOO *Eudynamys taitensis***

Opuawhanga, Northland, 2/2 to 26/3/80 heard daily (JFK). Little Barrier, still present mid-Mar (TGL). Remuera, 1 on 10/5 (GE). Titirangi, 2 on 3-4/3 (RC). Mt Moehau, Coromandel, 29/1 several birds calling (JES, MJT). Rotoehu SF, Dec common (GAT).

**MOREPORK *Ninox novaeseelandiae***

Opuawhanga, Northland, 1 on 5/10 at 3.43 p.m. started calling *wok wok wok*, Rosellas started alarm call (JFK). Waiotira, 1/9, one being mobbed by Blackbirds while Fantails and Grey Warblers kept distance (TGL). Browns Bay, Auckland, 1 on 30/8 (DFB). Remuera, 26-29/3, calling at dusk or after dark; not yet another bird lost to suburbia (RBS). Manurewa, 1 in January feeding young at 7.30 p.m. (JD).

**LITTLE OWL** *Athene noctua*

Wither Hills, Blenheim, heard during Mar (PJ). Kaikoura, 1 on 19/2; 1 on 1/3 caught by cat, safely rescued (BE). Aylesbury, Courtenay and Greenpark, 1 during Dec and Jan (JF).

**NEW ZEALAND KINGFISHER** *Halcyon sancta vagans*

Eglinton Valley, Walker Creek, 1 on 10/2 taking trout fry (KM, JVM).

**RIFLEMAN** *Acanthisitta chloris*

Little Barrier, numerous March (TGL). Mt Maungatautari, 2 on 26/4 (LS). Hongi's Track, Rotorua, 2 in Jan (MCS). Okataina Scenic Reserve, 2 on 17/2 feeding with Whiteheads and Pied Tits (JGI). Mt Paeroa, Volcanic Plateau, 2 on 4/7/79 (GAT). Pukeora SF, North Block, 8 on 13/5 in rimu/totara forest (GAT). Maraetotara, 2 on 2/5 (JW). Waikanae Beach, immature male on 4/1 flying into Cordyline, tree lucerne, plum tree, karaka in garden — nearest bush 4.5 km to east (CAF, MAF). St Arnaud Range, Nelson Lakes NP, 15 in beech forest, altitude 900 m, along track from tops to St Arnaud (GR). Nelson Lakes NP, 2 groups of 10 and 15 along Travers Valley Track (GR).

**ROCK WREN** *Xenicus gilviventris*

Waiau Pass, Nelson Lakes NP, 3 adults, 1 fledgling on 8/1 (GR). Harmen Pass (near Arthurs Pass), 1 on 28/3 (GAT). Maruia Valley, Victoria Range, S Westland, 2 on 26/4/80 (GAT).

**SKYLARK** *Alauda arvensis*

Northcote (Onewa Lagoon), Dec, found resting on motorway verges (JPW). Mangere and South East Island, present Oct-Dec (TGL).

**WELCOME SWALLOW** *Hirundo tahitica neoxena*

Waiotira, nest on meter box in back porch — chicks hatched 5/9 and eggshells deposited on doormat as evidence! (TGL). Red Hill, Papakura, resting on clothes line summer and winter; one chased over roof by Monarch butterfly (BB). Bell Block SP, New Plymouth, 60 on 3/8; nesting under bridge near Cape Egmont on 29/11 (DGM). Motueka River mouth, 47 on 6/3 (BE). Hapuku, Kaikoura, 20 on 4/12 (BE). Wairau Pa, Marlborough, 107 on 24/2 on power lines (RF).

**NEW ZEALAND PIPIT** *Anthus novaeseelandiae*

Muriwai, pair on 30/8 on slopes above gannetry (RBS). Oyster Point, 1 on 2/5 on bare earth of new stop bank (RBS). Mangatangi Dam, 1 on 9/1 eyeing visitors (RBS). Manukau Harbour census, 1 on 14/12 at Puketutu (BB). FoT census, 1 on 6/7 at Whakatiwai (BB). Te Matai SF/Mangorewa Gorge, 3 in Feb (GAT). Clifton, 7 on 5/5 (KVT). Waiau Pass area, Nelson Lakes NP, 4 on 8/1 feeding on cicadas (GR). Mt Fyffe, Kaikoura, 3 on 2/4 at bushline (GR). Hodder Valley, Inland Kaikoura Range, 2 on 25/10 (GR). Kawatiri Junction, N Westland, 5 on 2/1/80 (NW). Chathams, common on Mangere and South East Islands and present on Rabbit Island (TGL).

**DUNNOCK** *Prunella modularis*

Waiotira, 2/8, 2 birds singing (TGL). Lake Whangape, 1 on 24/8 singing (BB, AJG, JT). Port Ohope Spit, 10 on 26/10 (RMW).

Kaiti Hill, Gisborne, 2 on 18/1 (BRK). Arthurs Pass (Edwards Hut), 4 flying 28/7/79 when shrubs under 2 feet of snow (GAT).

**FERNBIRD** *Bowdleria punctata*

Pollen Island, Upper Waitemata Harbour, 9/8 several heard (TGL). Te Puti Hill, Kawhia, 3 on 3/5 (came to taped call) (LS). Pureora SF, North Block, 2 on 13/5 (GAT). Port Ohope Spit, 2 on 1/1 (RMW). Te Wera SF, 1 on 29/4 in raupo swamp (DG). Egmont NP, remote swamp at 2200 feet recorded by Park Ranger on 28/9. Recorded in Potaema swamp near Stratford Mountain House road during Oct (REL). Hatepe River, Taupo, 1 on 7/9 heard in bracken (JD). Wainui Inlet, Nelson, 2 on 1/3 (BE). Giles Creek, Inangahua West SF, heard on 27/5/80 (NW). Mahinapua SF, heard during Feb/Mar 1980 (NW). Upper Pyke River Valley, 2 on 5/5 (SR).

**BROWN CREEPER** *Finschia novaeseelandiae*

Dun Mountain, Nelson, 4 on 29/3 at 3000ft (BE). Ward, late Jan, several feeding noisily. One caught grub about 2 cm long, nipped it several times and left it on a branch for another bird which also nipped it but then swallowed it (TJT). Rotoiti, Kaikoura, on 6/9, plentiful in manuka (PJJ); 14 on 29/11 (BE). Fyffe-Palmer Reserve, Kaikoura, 10 on 2/4 (GR). Hope River, Canterbury, 50 on 1/2 adjacent to Jacob Hut (SCS). Mahinapua SF, 4 on 3/3/80 (NW). Bradshaw Sound, Fiordland, 2 on 16/11 (DGM).

**WHITEHEAD** *Mohoua albigilla*

Hauturu North Road, Oparau, 2 pairs on 6/9 chasing Grey Warbler (BHS). Lake Waipapa, 1 on 8/1 feeding on caterpillars obtained from mossy branches (JPW). Hatepe River, Taupo, several pairs on 7/9 (JD). Otanewainuku SF, present Jan/Feb (GAT). Lake Waikaremoana Track, 11 on 4-6/1 (GAT). Southern Ruahine Range, 5 on 17/5 during a 2-hour walk through mixed rimu-broadleaf forest up to cedar and leatherwood zones, Delaware Road (LJD).

**GREY WARBLER** *Gerygone igata*

Oyster Point, Kaipara; Upper Tamaki; Miranda; common among mangroves (RBS).

**PIED TIT** *Petroica macrocephala toitoi*

Opuawhanga, Northland, 2 males seen on 17/9 (JFS). Blue Mountain, Coromandel, 12 on 27/12 (CM). Hatepe River, Taupo, 2 pairs on 7/9 (JD). Otanewainuku, 2 females, 5 males on 2/5 (PCML). Southern Ruahine Range, 4 on 17/5 during 2-hour walk through mixed rimu-broadleaf forest up to cedar and leatherwood zones on Delaware Road (LJD). 2 on 27/11 during 2½ hour walk through rimu-mixed broadleaf forest on Diggers Hut Track, Makawakawa Stream (LJD).

**NORTH ISLAND ROBIN** *Miro longipes*

Mt Ngongotaha, 9 on 6/12 (GAT). Otanewainuku, large population 2/5 (PCML). Lake Waipapa, 3 on 1-15/1 in regrowth manuka and tanekaha (JPW). Hatepe River, Taupo, 1 on 18/5 (JD).

**SOUTH ISLAND ROBIN** *M. australis*

Canaan, Nelson, c.8 on 17-20/4 (BE). Lake Rotorua, Kaikoura, 4 on 12/2 (BE). Big River, Paparoa SF, Westland, 2 seen, 1 heard



on 16/5/80 (NW). Lake Matiri district, 18/4 present around western shore of lake (GAT).

**SONG THRUSH** *Turdus philomelos*

Remuera, first tentative song on 11/4 (RBS). St Arnaud Village, on 7/12, one acting as a Bellbird trying to work way up beech trunk gathering food, but as its tail gave it little support, it frequently fell off (PJ).

**BELLBIRD** *Anthornis melanura*

Tyndalls Beach, Whangaparaoa, 1 on 17-21 July eating privet berries (RC). Matata, 5 on 29/3 (PCML). Peel Forest Reserve, 29/3 numerous, feeding on kahikatea and totara fruit (BHS). Hanmer SF, 19-20/4, large numbers feeding on honeydew in Mountain Beech (KM, JVM). Doubtful and Dusky Sounds, on 14-17/11 most noticeable of bush birds recorded (DGM).

**TUI** *Prosthemadera novaeseelandiae*

Red Hill, Papakura, Tuis, Mynas and House Sparrows all visiting flax in gardens several times daily in flowering season (BB). Kawakawa Bay, 78 on 28/9 in flowering kowhais (JD). Sabine Forks, Nelson Lakes FP, 4 on 7/1 (GR). Fyffe-Palmer Reserve, Kaikoura, 6 on 2/4 (GR). Doubtful Island, Lake Te Anau, 8 on 16/10 feeding on fuchsia nectar (KM, JVM). Lake Manapouri, Black Valley Track, 1 on 18/5 eating mapau fruits (KM, JVM).

**CIRL BUNTING** *Emberiza cirrus*

Mangapapa, Gisborne, 1 on 16/6 (MAW). Tuahine Point, Gisborne, 13 on 16/3, male singing 15/5 (BRK). Wither Hills, Blenheim, present on 19/2 and for week or so (PJ). Kaikoura, 2 on 5/11 (BE); 1 on 2/7 (EJK).

**CHAFFINCH** *Fringilla coelebs*

Remuera, first tentative song on 23/8 (RBS).

**GREENFINCH** *Carduelis chloris*

Red Hill, Papakura, family group returned daily to flax until last seed eaten (BB). Foxton Beach, c.200 on 11/10 being harried by White-backed Magpie (JM, MM).

**GOLDFINCH** *C. carduelis*

Remuera, on 20/4, back among liquidamber cobbles — a source of food over mid-winter (RBS). Hardcastle Lagoon, Reporoa, 400+ on 2/5 (RMW). Mangere Island, 1 on 19/11 (TGL).

**REDPOLL** *C. flammea*

Waiotira, 26/9, seen and heard (TGL). Blue Mountain, Coromandel, 8 on 27/12 over rough farmland (CM). Hardcastle Lagoon, Reporoa, 20 on 2/5 (RMW). Te Hauturu North Road, Oparau, a few on 7/9 (BB). Lake Waipapa, common in manuka scrub. One seen to tear open nest of nursery-web spider and feed greedily on spiders inside (JPW).

**STARLING** *Sturnus vulgaris*

Red Hill, Papakura, 12 birds "anting" early each morning for a week in summer. Birds jostled to pick ants from base of a *Callistemon* (BB). Te Hauke, 1000 on 12/7 (KVT).

**NORTH ISLAND KOKAKO** *Callaeas cinerea wilsoni*

Otanewainuku, 2 on 2/5 seen from Mountain Road summit track (PCML). Te Matai SF, 1 on 23/5 feeding on hinau leaves (GAT). Upper Waitara River, North Taranaki (Rerekapa area), 1 in Feb, seen being chased from miro tree by a Bellbird (JMC).

**BLACK-BACKED MAGPIE** *Gymnorhina tibicen*

Longburn, Palmerston North, 1 on 22/12 (JM, MM). Kaikoura, occasionally seen among White-backed Magpies (BE).

**WHITE-BACKED MAGPIE** *G. tibicen hypoleuca*

Massey Golf Course, Auckland, 6 on 15/2 (AMac). Mt Maunganui Reserve, 2 on 26/2. Well established at Matakana Island (KICF). Ashley Clinton-Tikotiko, 120 on 15/3 (KVT). Foxton Beach, c.70 on 6/9 feeding in paddock (JM, MM).

**ROOK** *Corvus frugilegus*

FoT census, 60 on 6/7 at Access Bay (BB). Kaiti Hill, Gisborne, 16 on 15/3 (BRK). Te Hauke, 20 on 12/7 (KVT). Brunswick, Wanganui, 3 on 31/5 (LC). Kaikoura, 3 on 23/8 (BE).



## SHORT NOTES

### A TURNSTONE-BANDED DOTTEREL RELATIONSHIP

Banded Dotterels (*Charadrius bicinctus*) are always at the Ashley River estuary in numbers varying from tens to several hundreds. One day in late August, we found a newly arrived Turnstone (*Arenaria interpres*), still with traces of breeding plumage, resting on a gravel bank near full tide in company with some ducks, terns and gulls. As we watched, the Turnstone flew off to join a male Banded Dotterel in full breeding plumage, which had arrived on a nearby gravel spit. The two birds then began to feed in company, and for an hour they were never more than a few metres apart, flying from island to island and working their way around the perimeters. Sometimes one bird, sometimes the other would lead on the short flights between exposed islands.

Each was obviously seeking the company of the other deliberately. This was clearly illustrated on one occasion when the Turnstone moved out of an area suitable to the dotterel on to coarse muddied pebbles. The dotterel became agitated, running back and forth between the mudbank and the Turnstone, and eventually it induced the Turnstone to follow it back to a place that suited both to feed. This behaviour was in striking contrast to the aggression normally shown between one Banded Dotterel and another on their feeding patches or between Banded Dotterels and Wrybills (*Anarhynchus frontalis*), when conduct ranges from evident irritation to extreme pugnacity. Turnstone, however, seem much more gregarious and often feed in tightly bunched groups.

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