

Blue had somehow slipped outside the male's foot and peeped. Then red peeped as blue walked around, and in the ensuing attempt to beg by red, blue climbed half onto the male's foot with its bill pointed out of the nest. The male jerked his foot and blue flipped over the side of the nest to land 0.5 m away. The male stretched out towards the chick. [Males do not leave the nest during the guard stage.] Blue lay there for 30 s, then started crawling back towards the nest with the male watching. When at 0.3 m from the nest, a weka came by and tried to grab the chick. The male growled and lunged and the weka ran off. Blue kept crawling but the weka circled and attacked again. Weka was bitten by male but grabbed the chick and carried it off.

The male appeared to jerk his foot as a reaction to the chick climbing on to his foot. He certainly did not appear to expel the chick deliberately, and he attempted to protect it from the Weka (*Gallirallus australis*). However, chicks constantly climb on their parents' feet and otherwise harass parents. If foot jerks resulting in expulsion of chicks were common, many penguins would soon lose both chicks to Weka, which patrol by penguin nests about once an hour. Also, penguins generally lunge at any Weka that comes by, and these lunges could be interpreted as protection for chicks in the nest rather than for any chick outside the nest.

It is noteworthy that the small chick was the one expelled. Although more observations are needed to show whether parents consistently expel the smaller rather than the larger chick from nests where a chick is expelled, it appears that expulsion of chicks may be one means by which the brood is reduced to one.

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## CLASSIFIED SUMMARISED NOTES, NORTH ISLAND

1 JULY 1988 TO 30 JUNE 1989

Compiled by GRAEME A. TAYLOR

Classified summarised notes (CSN) are a selection of observations provided by 285 members and friends of the Ornithological Society of New Zealand. They represent observations of interest to the contributors and also put on record results of counts or censuses at favourite birding haunts. CSN contains a wide range of behavioural anecdotes, which though of scientific interest, are unlikely to be included as short notes for *Notornis*. CSN does not include distribution records that are available in the Society's atlas scheme, except for records of rare species or those from remote locations.

This year observations were received from all but two regions, and in addition, nine members provided individual contributions. The level of support for CSN is reflected in the increased number of observations submitted; about twice that of previous years. This year I have placed all observations into Ornithological Society regions to assist people in recognising place names. Also, most names are referable to locations marked on NZMS 262 series maps.

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**Abbreviations:** asl above sea level; B Beach; E Estuary; FoT Firth of Thames; F Forest; FP Forest Park; H Harbour; HQ Headquarters; imm/s immature/s; I Island; juv/s juvenile/s; Lag Lagoon; L Lake; NP National Park; Pen Peninsula; Pt Point; Res Reserve; R River; RD Road; SF State Forest; SP Sewage Ponds; SR Scenic Reserve; sp species;

3RC 3 roost count—Miranda.

**Regional Abbreviations:** [FN] Far North; [N] Northland; [A] Auckland; [SA] South Auckland; [Wk] Waikato; [BP] Bay of Plenty; [VP] Volcanic Plateau; [G/W] Gisborne/Wairoa; [T] Taranaki; [Wg] Wanganui; [M] Manawatu; [HB] Hawke's Bay; [Wr] Wairarapa; [W] Wellington

Note: Manukau winter census date was 9/7/89.

### BROWN KIWI *Apteryx australis*

[SA] Tuataewa, north of Kennedy Bay, 1 seen 25/3 and 1 female heard on 26/3. Other recent local sightings suggest an increase (KLB). [T] Moki SF, heard on 8/10; Miro and Uruti SR, probes seen on 15/10; Kaiaua car park, Egmont NP, 1 heard on 26/12 (WBM).

### LITTLE SPOTTED KIWI *A. owenii*

[N] Hen I, 18 birds from Kapiti I released by Department of Conservation during June (MJT).

### BLUE PENGUIN *Eudyptula minor*

[A] Miner's Head, Great Barrier I, several pairs nesting in old mine shafts and rock piles. Birds on large chicks 31/12 (GAT). [BP] At sea between Mt Maunganui and Motiti I, moderate numbers on 23/7 (ASR). Mt Maunganui, numerous in rocks about base at night on 24/11 (KS). Bay of Plenty beaches, over 500 beach-wrecked during a stormy Jan and Feb (PCL). [T] Back B, New Plymouth, at least 10 present in burrows and small caves at the base of cliffs behind the beach. This was the only penguin colony found during a survey of the north Taranaki coastline (GAT, CW). [HB] Ocean B—Waimarama, 4 dead on beach patrol on 16/2 and 3 others within previous month, a large number for this area (MTC).

### DABCHICK *Podiceps rufopectus*

[FN] Aupouri dune lakes: L Heather, 2 on 28/1 (MH); L Half, 3 on 19/3 (MH). [N] L Wainui, North Kaipara Head, 10 on 18/5 (GRP). [A] South Kaipara Head: L Kereta North, 1 on 19/2, 2 on 18/6 (SM, OSNZ group); L Kereta, 5 including 1 juv on 23/9 (VJL), 7 on 23/12 (BS), 23 on 19/2 (SM, OSNZ group), 25 plus 3 juvs on 8/4 (MJT, GJA), 37 on 18/6 (SM); L Ototoa, 25 on 19/2, 15 on 18/6 (SM, OSNZ group); L Te Kanae, 3 on 19/2, 2 on 18/6 (SM, OSNZ group). Western Springs L, Auckland, 1 in Feb (ST). [SA] L Whatihua, near Karioitahi, 1 on 14/5 the only sighting here throughout the year (AJG). [Wk] Hamilton L, 1 on 19/9 (JMR). [BP] Thornton Lag, 4 on 11/9 (RSC, CJ). Kawerau, 1 on small lake near Pulp and Paper Mill on 30/1 (RMW). L Tamurenui, Kawerau, 1 on 3/7 (KOW). [VP] L Rotoehu, Soda Springs outlet, 34 on 13/6 (GAT, CW). [Wg] L Moumahaki, Waverley, 2 on 16/6 (CCO). L Grassmere, Wanganui, 2 on 20/4 (GR). Wanganui, Bason Botanical Res, 2 adults plus 2 juvs on 27/1/88 (PJB). Wanganui E, 1 feeding in brackish water on 4-5/3/88, only the second time one has been seen on the lower reaches of the river (PJB). [M] Marton SP, 32 in May (RWV). Bulls SP, 11 on 26/3, 12 on 8/4, 7 on 16/4 and 2 on 14/5 (IS). Foxton No.1 L, breeding confirmed; a pair + 1 juv on 11/12, max 26 birds on 9/4; Foxton No.2 L, breeding confirmed, a pair + 1 juv on 1/1, max 4 birds on 11/12; Heatherlea Pond, near Levin, 1 on 24/10 (JLM, MM). [HB] Westshore Lag, Napier, 4 on 5/6; Meeanee, 3 on 9/9 (TAS). Fernhill Pond, 2 bringing up food to surface on 18/9 (KVT). Horseshoe L, 4 on 7/8 (OSNZ census). L Purimu, near Wanstead, 5 on 21/8 (HAR, BDH). Porangahau E, 1 on 5/3/88 (RJP), 4 on 23/7 (OSNZ census). Dabchicks mostly visit estuaries in winter and early spring. They are present on most lakes in this district (MTC). [Wr] 127 birds counted in survey of 54 ponds and lakes in Wairarapa region on 13-18/4 (OSNZ census). Masterton SP, 56 on 18/6 (TCD). [W] Waimea Lag, Waikanae, 1 on 5/11 and 30/6 (DS, MS). Waikanae E, 2 on 1/1 (AJT, BAT).

### AUSTRALIAN LITTLE GREBE *Tachybaptus novaehollandiae*

[A] South Kaipara Head, 3 on small lake by L Kereta on 26/7, 1 on 23/9 (VJL).

### WANDERING ALBATROSS *Diomedea exulans*

[Wk] Te Aroha, 1 on farm on 6/2. Fed and released at Bowentown on 12/2 (DJR). [W] Cook Strait, 1 on 16/3 (IS).

### ROYAL ALBATROSS *D. epomophora*

[HB] Marine Parade, Napier, 1 freshly dead on 28/11 (OSNZ group).

### ALBATROSS/MOLLYMAWK sp.

[M] Foxton B, 2 on 10/9 and 8/10, 1 on 18/6 (JLM). [W] Cook Strait, from ferry, 20+ on 16/3 (IS).

### BLACK-BROWED MOLLYMAWK *Diomedea melanophrys*

[BP] Off Mayor I, 3 sub-adults and 1 adult *D.m. impavida* on 11/10, 2 sub-adults on 24/10, 1 adult and 1 sub-adult on 26-27/11, 1 sub-adult was seen on many trips between Oct-Dec, last seen 20/12; Near north end of Motiti I (Brewis Shoals), 1 sub-adult on 27/8 and 23/11 (KLB), 1 imm on 10/5 (JEH). Okaparu Reef, west of Motiti I, 1 sub-adult on 23-24/11 (KLB),

3 imms on 16/6 (JEH). Inside Motiti I, 1 imm on 15/6 and 18/6 (JEH). About halfway, Mt Maunganui to Mayor I, 2 imms on 8/6 and 20/6, 1 imm on 27/6 (JEH). Whangamata B, 1 found dead on 5/1 (HS). [HB] Ocean B-Waimarama, 1 found dead on 16/2 (OSNZ group).

**GREY-HEADED MOLLYMAWK** *D. chrysostoma*

[BP] Waihi B, 1 came in live on 28/12, but died later (BC).

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

[BP] Astrolabe Reef, north end of Motiti I, 4 adults and 1 sub-adult on 23/7 (ASR, KLB), 1 adult and 1 sub-adult on 11/8, 1 sub-adult on 20/8, 1 adult on 25/8 (KLB). Halfway between Mt Maunganui and Mayor I, 2 sub-adults on 6/8, 1 adult on 18/8 and 22/9 (KLB), 1 adult on 8/6, followed boat from Karewa I outwards; 2 adults on 20/6, these followed the boat inshore to within 1.5 km of Mt Maunganui; 1 adult on 27/6 (JEH).

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

[BP] Pinnacles, off Mayor I, 1 adult seen clearly in flight on 27/6 (JEH).

**WHITE-CAPPED MOLLYMAWK** *D. cauta cauta*

[BP] Pinnacles, off Mayor I, 1 adult on 27/6, sitting on water near boat (JEH). [M] Foxton B, 4 passing north on 22/4 (JLM). [W] Cook Strait, 1 on 5/2 (DS) and 16/3 (IS).

**SALVIN'S MOLLYMAWK** *D. cauta salvini*

[Wk] Hamilton, 1 found live in Nov '87, sent to Bird Rescue, Auckland (JPo, GAT). [BP] Halfway between Mt Maunganui and Mayor I, 1 on 26/11 and 20/12 (KLB). Waihi B, a badly oiled bird found in July (BC).

**CHATHAM ISLAND MOLLYMAWK** *D. cauta eremita*

[Wr] Cape Palliser, 1 bird 6 km offshore on both 8-9/1 (DMS).

**LIGHT-MANTLED SOOTY ALBATROSS** *Phoebastria palpebrata*

[N] Hen Island, 1 offshore on 10/6 (AJT, TG, CHo, PH).

**GIANT PETREL** *Macronectes* sp.

[A] Muriwai B, 1 washed ashore alive in early July. Tended by Bird Rescue and released on 24/7; flew off strongly southwards (SD). [BP] Inside Motiti I, 1 on 29/6 (JEH). [T] New Plymouth, 1 on 11/9, 2 on 12/9, 1 on 16/10; Stony R (near Okato), 2 on 13/3 (DGM). [M] Foxton B, 3 on 10/9, 1 on 23/9, 8/10 and 18/6 (JLM). [HB] Ocean B, 1 beach-wrecked on 5/4 (NL). [Wr] Beach east of Ngawi, Cape Palliser, 1 resting ashore before flying off on 18/9 (DMS). Pahaoa R mouth, 8 resting on water 6 km offshore on 3/3 (BWB, JMM, CES, ERW). [W] Wellington H, 6 on 8/9, 1 on 31/1 (JLM, MM).

**NORTHERN GIANT PETREL** *M. halli*

[BP] Off Mayor I, 1 on 11/10 and 18/10; Off Motiti I, 1 on 20/8 and 18/11 (KLB). Matata, 2 km offshore, 1 on 6/4 (WMH). Opotiki, 1 blown ashore on 8/8 had been banded by an East German Expedition (WHS). [W] Waikanae B, 1 on 5/6 (IS). Cook Strait, from ferry, 8 on 9/3 and 2 on 16/3 (IS).

**SOUTHERN GIANT PETREL** *M. giganteus*

[A] Helensville, Auckland, 1 white phased found live on 5/10, sent to Bird Rescue, Auckland (JPo, GAT). [BP] Astrolabe Reef, off Motiti I, 1

white Giant Petrel with a few dark feathers on 20/9 (KLB). North of Opotiki, 1 live bird found Aug, sent to Bird Rescue, Auckland - a dark plumaged bird with East German band (JPo, GAT). [T] 1 white morph banded as a chick by German Democratic Republic at South Shetlands on 21/2/85 was recovered freshly dead at Oakura on 15/9/85 (DGM).

**CAPE PIGEON** *Daption capense*

[N] Hen I, 1 during crossing on 8/6 (JED). [BP] Off Motiti I, single birds seen on 23/7, 20/8 and 8/11 (KLB, ASR). Papamoa, 1 came ashore alive on 9/8, but died 2 days later (PCL). [T] New Plymouth, 1 close inshore on 11/9 (DGM).

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

[FN] Simmonds I, 3 found dead in Muehlenbeckia thickets; breeding birds present on 4/8 (GRP). Moturahurahu I and Motukaroro I, Cavalli group, burrows common on upper slopes in June '88 (GAT). [A] Miner's Head, Great Barrier I, 1 dried corpse found on 2/1 in old mine shaft, probably entered through hole in cave roof (GAT). Challenger I, off Kawai I, 50+ active burrows on 27/6 (GAT, AJT). Piha, 5 occupied burrows on 22/4 (SD). [SA] Double I, Mercury group, 1 freshly hatched wet chick on 16/8; the earliest hatching date found amongst group of c.20 burrows (GAT, SLT). [Wk] Rototuna, near Hamilton, 1 dead on road side in Jan (BAW). [BP] Mt Maunganui, 5 on ground, others flying on 22/7 (BHS, ASR), 1 on ground, others flying on 24/11 (KS), c.20 on ground, more flying about on 26/5 (BHS, ASR). Bay of Plenty beaches, nearly 100 found storm wrecked during Jan and Feb: some were alive but most were dead (PCL); 2 were found in Kawerau township (RMW). [T] Nine small colonies varying between c.2 and c.100 pairs were located along Taranaki coast between Mokau and Urenui during early May. Colonies were on mainland cliffs and tiny coastal stacks. Three small colonies also present just west of New Plymouth at Back B and Omata (GAT, CW, DGM).

**WHITE-HEADED PETREL** *P. lessonii*

[BP] Bowentown B, 1 found dead on 6/1 (BC). [T] New Plymouth, 5 close inshore on 13/9 (DGM).

**KERGUELEN PETREL** *Lugensa brevirostris*

[W] Waikanae B, live birds: 1 on 20/9/81, 10 on 27/9/81, 1 on 9/9/82 (AJT).

**COOK'S PETREL** *Pterodroma cookii*

[A] Hauraki Gulf, Leigh to Miner's Head, very large numbers present; several thousand seen in total. Flocks of 50-100 seen resting on the water. The dominant petrel present in the central gulf on 30/12 and 7/1. Possibly present in larger numbers than normal because of cyclones out to north-east (GAT). Miner's Head, Great Barrier I, several birds heard calling overhead each night during early Jan (GAT, SLT). [BP] Papamoa B, 1 found dead on 3/1 (PCL).

**PYCROFT'S PETREL** *P. pycrofti*

[SA] Double I, (Mercury group), fairly common; 80 banded during 1-6/11 (GAT, AJT). Red Mercury I, adults heard calling in flight each night during 15-21/3, fledgling chicks (mostly free of down) seen on surface 17-21/3 (GAT).

BLUE PETREL *Halobaena caerulea*

[W] Waikanae B, live birds: 1 on 20/9/81, 26/9/81 and 27/9/81 (AJT).

FAIRY PRION *Pachyptila turtur*

[N] Cape Brett, large flock (c.2-5000) chasing and flying over large schools of trevally on 30/11/87 (GAT). [A] Very large numbers (many thousands) seen in mixed flock with Buller's Shearwaters heading north past Kaikoura I and western Great Barrier I on 7/1 (GAT). [BP] Mayor I, Motiti I and off Mt Maunganui, occasional birds, sometimes common from 19/5 to 27/6 (JEH). North-west of Rurima I, 100's on 3/8, 1 on 28/6 (WMH). Bay of Plenty beaches, over 100 found storm wrecked during Jan and Feb (PCL).

BLACK PETREL *Procellaria parkinsoni*

[A] Pakiri B, 1 live fledgling on 14/6 (PS, TG). Anawhata RD, Waitakeres, 1 found freshly dead on roadside on 25/12 (IS, SD). Swanson, Auckland, 1 handed in live to Bird Rescue during first week of May (JPo, GAT). [BP] Mt Maunganui, 1 seen c.8 km offshore on 27/5 (BHS). Errata: CSN, June 1987, Vol 34. Delete "Cape Kidnappers, 1 on 30/12 (PFB)".

WESTLAND BLACK PETREL *P. westlandica*

[A] Westmere, Auckland city, 1 adult bird hit by car during first week of May, handed in live to Bird Rescue (JPo, GAT).

WHITE-CHINNED PETREL *P. aequinoctialis*

[A] Westhaven, Auckland city, 1 fledgling found during first week of May, handed in live to Bird Rescue (JPo, GAT). [T] New Plymouth, 1 dead on 17/11 first known beach wreck from that part of west coast (DGM, WBM).

FLESH-FOOTED SHEARWATER *Puffinus carneipes*

[A] Wenderholm B, Puhoi R, 1 found storm-wrecked in Jan, was banded as a chick on Lady Alice I, Chickens group in 1981 (RJP). [BP] Bay of Plenty waters, an experienced fisherman reported that this species is very scarce from mid-April, only 1 or 2 were seen per day (PCL). About halfway, Mt Maunganui to Mayor I, 1 on 13/5 (JEH). [T] Motumahanga I, Sugar Loaf group, colony has increased since 1970's, c.500 to 1000 burrows estimated on 24/1. Three burrows checked on 24/1 had an adult incubating an egg (GAT, CW). New Plymouth, at least 31 offshore on 12/3; 1 alive near Port Taranaki on 7/5, later released (DGM). [W] Cook Strait, from ferry, 3 on 9/3 and 1 on 16/3 (IS).

BULLER'S SHEARWATER *P. bulleri*

[A] Very large feeding flock (tens of thousands) extending from Kaikoura I to Miner's Head off western Great Barrier I on 7/1. These birds were from 500 m to several kilometres offshore and flying northwards (GAT). Ponui I, common offshore in mid-Jan (RJC). Brown's I - Rangitoto I, 1 in channel on 16/2 (RJC). [SA] Channel between Motukawao group and Amodeo Bay, 20+ flying south, scattered in singles or small groups on 6/4 (GAT, SLT). [BP] Bay of Plenty waters, an experienced fisherman reported that this species was very scarce from mid-April, only 1 or 2 were seen per day (PCL). Brewis Shoals, off Motiti I, 2 on 10/5, appeared unusually hungry, 1 still present on 19/5 (JEH). [T] New Plymouth, at least 42 offshore on 12/3; Stony R, 1 close inshore on 13/3 (DGM). [W] Cook Strait, from ferry, 1 on 9/3 (IS).

SOOTY SHEARWATER *P. griseus*

[BP] Pudney Reef, 1 reported by experienced fisherman on 7/3 (PCL). About halfway, Mt Maunganui to Mayor I, 1 on 13/5, very hungry for scraps (JEH). [T] Motumahanga I, Sugar Loaf group, 2 birds found in burrow on summit, another heard calling on 25/1. First record of Sooty Shearwaters ashore in this group (GAT, CW). [M] Foxton B, c.50 passing north on 14/1 (JLM). Errata: CSN, June 1987, Vol 34. "Tangimoana Beach, many passing on 8/5 (PFB)" should read "...on 8/3 (PFB)".

SHORT-TAILED SHEARWATER *P. tenuirostris*

[BP] Off Mayor I, 1 reported feeding at side of boat by experienced fisherman on 15/12 (KLB).

FLUTTERING SHEARWATER *P. gavia*

[N] Bream Bay, big rafts feeding with White-fronted Terns on 26/3 (GNG). [A] Wooded I, 2 nearly fledged chicks found in burrows on 1/2; Horuhoru Rock, 2 birds in burrows, each incubating an egg on 30/10 (GAT, AJT). Orakei Wharf, Auckland, 2 seen during strong winds on 29/4 (PFB). [BP] Brewis Shoals, off Motiti I, birds taking scraps from fishing boat on 10/5 (JEH). Between Mt Maunganui and Motiti I, 3 mixed flocks of c.600 birds, composed of Red-Billed Gulls, Diving Petrels and Fluttering Shearwaters on 23/7 (ASR). Papamoa, 0.5 km offshore, a flock of c.300 on 28/10 (PCL). North-west of Rurima I, large numbers on 3/8 (WMH). Tarawera R mouth, a flock feeding c.2 km offshore (CJ). [T] Carr's RD, near Urenui, at least 20 prospecting for nest sites on coastal stack on 18/9 (OSNZ group); c.15 roosting at night on stack on 30/4. Others flying overhead, active calling and some birds were digging in burrow entrances. Unusual for many birds to be ashore during April (GAT, CW). [M] Foxton B, c.1000 per hour on 2/1 and 14/1, smaller numbers on 29/1 and 20/2 (JLM, MM). [W] Wellington H, near port, present 28/7 to 19/8, max c.150 on 5/8, c.20 on 19/1, c.400 on 12-18/4 (JLM, MM). Errata: CSN, June 1987, Vol 34. "Tangimoana B, many passing north on 8/5 (PFB)" should read "...on 8/3 (PFB)".

HUTTON'S SHEARWATER *P. huttoni*

[W] Wellington H, 2 on 5/8, 4 on 12/4 close in at Queen's Wharf (JLM, MM).

LITTLE SHEARWATER *P. assimilis*

[FN] Motuharakeke I, Cavalli group, birds seen on ground or in burrows on 27-28/6/88 (GAT). [BP] Bay of Plenty beaches, unusually large number (27) beach-wrecked this year, no doubt due to stormy Jan and Feb (PCL).

WHITE-FACED STORM PETREL *Pelagodroma marina*

[A] Near Tiritiri I, 150 seen en route to island on 25/9 (R. Hirs per MJT). Maria I, about half of the burrows were unoccupied, the rest had birds incubating a freshly laid egg on 30/10 (GAT, AJT).

## STORM PETREL sp.

[A] Little Barrier I, 1 large mainly black bird offshore on 3/5 (AJT).

DIVING PETREL *Pelecanoides urinatrix*

[FN] Motuharakeke I, Cavalli group, a very large colony under dense taupata scrub; thousands of burrows. Active calling, birds on surface and

in burrows on night of 27/6/88 (GAT). [BP] Between Mt Maunganui and Motiti I, abundant on 23/7, in mixed flocks as for Fluttering Shearwater (ASR), plentiful in these waters from 13/5 to 15/6 (JEH). [T] Taumarunui, 1 alive in main street on 30/12, later released (DGM).

#### AUSTRALASIAN GANNET *Sula bassana serratior*

[A] Oaia I, breeding season nearly over on 6/3/88; 20 adults and 98 chicks present. Most chicks were ready to fly except about 10 down covered runts. Dead chicks were common and 1 old egg remained (GAT, EKC); c.50 adults ashore on 11/6 (MJT). Muriwai Colony, 124 nests on lower cliff site on 19/10 (JES); 400 birds on rock stack, 315 on high cliff and 220 on low cliff, many sitting but no chicks evident on 7/11 (GJA); 245 nests on rock stack, 238 nests on upper cliff including 20 chicks, 112 nests on lower cliff on 17/11 (BS); 330 adults plus 210 chicks on stack, 171 adults plus 81 chicks on upper cliffs, 175 adults plus 36 chicks on lower cliff on 11/12 (SD); 250 chicks on rock stack, 105 chicks on upper cliff, 66 chicks on lower cliff on 8/1, a few newly hatched, many well feathered but still with down (MJT, CJ), colony deserted on 11/6 (MJT). [T] New Plymouth, at least 29 offshore on 12/3 (DGM). [M] Foxton B, recorded Dec to June, max 10 on 14/1 (JLM, MM). [HB] Clive Village, 1 flying overhead in Dec (MTC). Tukituki E, occasionally seen fishing at river mouth during spring and summer, max 18 on 5/11 (JRP, MTC); c.12 fishing upstream at Haumoana Bridge, 2 kms from the sea on 1/10 (BMT, BGi). Bridge Pa, Hastings, 1 flying over golf course about 18 km from sea during spring (FET). Aramoana-Pourere, 23 on 24/1 (TAS). [W] Wellington H, recorded all months except Nov-Dec, max of 5 on 2/8; Hutt R, 1 over rail bridge (Lower Hutt) on 5/10 (JLM).

#### BROWN BOOBY *Sula leucogaster*

[A] Great Barrier I, 1 off Port Fitzroy on 16/1 (JB). Muriwai B, 1 found dead in Nov (PHA). [W] Pekapeka B, near Waikanae, 1 in immature plumage, dead about 2 weeks on 28/3 (AJT).

#### BLACK SHAG *Phalacrocorax carbo*

[FN] Aupouri dune lakes: L Waiparera, 1 on 19/3 (MH). [A] Muriwai Dune Lakes: 40 on 19/2, mostly at L Kuwakatai (SM, OSNZ group). Waitakere Dam, 8-10 nests, several with chicks, high in rimu, miro and rewarewa on both sides of Gleeson Stream inlet on 17/9 (JES). [SA] Manukau H census, summer 8, winter 4 (AJG, OSNZ group). FoT census, summer 15, winter 22 (AJG, OSNZ group); usual big influx during shooting season, eg. 250 flew past Access Bay, Miranda on 28/5 (AJG). Coromandel coastal survey, 19 on 12-13/11 (AJG, OSNZ group). [Wk] Hamilton L, 5 on 21/11 (ASR, JMR), 10 on 2/12 (MAB), 35 on 18/2, 48 on 30/4 (OSNZ census). Kawhia H, 9 on 26/11, 3 on 25/6 (OSNZ census). [BP] Matahūi Pt, Tauranga H, 3 on 12/11 (PCL). Kaituna Cut, Maketu, max 12 on 11/9, lowest count 1 (with white thigh patches) on 22/4. A few pairs breed in pines amongst Pied Shag colony (PCL, NAS). Little Waihi E, 2 on 28/5 (BHS). Matata, 12 on 25/2, 7 on 23/4 (PCL). Waioeka E, 5 on 3/7; Waiaua E, 1 on 3/7, 2 on 22/11 (WHS). [Wg] Wanganui E, 43 on 1/6/88, 37 on 12/5 (PJB). [M] Whirikino, near Foxton, c.20 occupied nests on 20/10; Manawatu E, max c.40 on 6/5 (JLM, MM). [HB] Ngaruroro R, several nests in upper reaches in winter (JWi). Ahuriri E, Napier, 37 on 9/7, 17 on 6/11, 13 on 17/6;

Waitangi/East Clive, 15 on 9/7, 20 on 6/11, 28 on 17/6; Tukituki E, 3 on 9/7, 9 on 17/6; Porangahau, 20 on 23/7, 4 on 13/11, 13 on 17/6; Southern Marsh, Westshore, 9 on 6/11; Horseshoe L, 39 on 7/8 (OSNZ census). [Wr] L Wairarapa, max. of 56 on 5/3 (BDH, HAR)

#### PIED SHAG *P. varius*

[FN] Moturaurahu I, Cavalli group, 12 nests with small or nearly fledged chicks on 28/6/88 (GAT). [N] Camp Bay, Whangaruru H, 1 on 18/2 (JBW, MR). Whale Bay, near Tutukaka, c.30 birds at a colony on 9/10; 9 birds apparently incubating eggs and 6 other nests had chicks (BHS). Pataua, 8 on 27/1; Port Whangarei, present Jan-June, max 11 on 4/2; Ruakaka B, 1 on 11/8 and 5/2 (GNG). [A] Ti Pt, 14 nests with chicks on 24/11 (SPC). South Kaipara Head, 31 adults and 13 nests on 21/6 (AJT, GAT). Muriwai Dune Lakes: L Kuwakatai, 45 on 19/2 (SM, OSNZ group), 88 nests in colony on 19/2 (KB). Muriwai B, 85 resting in group on 8/1; Kaukapakapa R, 40 adults nesting, chicks present on 18/12 (SD). Lower Nihotupu Dam, at Parau, near Titirangi, 38 on 21/4 (AJT). Hobson Bay, 14 nests including 1 with chicks on 9/10; 12 nests, some with fledglings on 20/11 (MJT). Motuihe I, colony of c.40 birds nesting on east side (SD). Waikurari Bay, Waiheke I, colony with 20 nests, some with chicks on 29/1 (TRH, HH). Ponui I, colony with 10 nests on eastern side, 63 adults present on 28/1 (TRH, HH). [SA] Manukau H census, summer 8, winter 34; FoT census, summer 3, winter 21; Coromandel coastal survey, 84 on 12-13/11 (AJG, OSNZ group). Tapu, 26 occupied nests on 13/11 (DJA, PJA). [Wk] Hamilton L, 1 from 3-8/1 (MAB). L Ngaroto, 1 on 20/8 (RWD *et al.*). Kawhia H, 8 on 25/6 (OSNZ census). [BP] Panepane Pt, Matakana I, 6 on 12/11 (RCM). Kaituna Cut, Maketu, a colony of 50-60 birds in pines at river mouth; birds seem to be present all year round (PCL). Little Waihi E, 2 on 30/10 (KLB), 22 on 7/5 (BC). Otamarakau, 6 on 20/8 (PCL). Matata-Tarawera R mouth, 6 on 3/7 (CJ), 8 on 27/11, 28 on 23/4; Rangitaiki R mouth, 9 on 3/7, 10 on 27/11; Port Ohope Spit, 4 on 3/7 (PCL). Waiotahi E, 13 on 3/7, 26 on 27/11, 9 on 29/4; Waioeka E, 15 on 3/7, 4 on 27/11, 22 on 29/4; Waiaua E, 8 on 3/7, 15 on 29/4; Motu R mouth, 28 on 22/11 (WHS). [G/W] Hicks Bay, 8 resting on beach on 19/4/87 (GAT). [T] New Plymouth, Waiwhakaiho R. mouth, 1 on 12/2; the first North Taranaki record (DGM, REL), still present on 2/5 (GAT, CW). [HB] Taradale, 1 juv rested for some hours in suburban garden on 4/8. Observed at close quarters and description fitted this species. Several other unconfirmed sightings near Napier/Hastings in late 1988. Previous sightings in Hawkes Bay very rare (JRP, MTC). Porangahau E, 1 juv on 11/3 (HAR). [W] Wellington H, singles on 2/8 and 24/2 (JLM, MM).

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

[FN] Aupouri dune lakes: Deep L, 1 on 19/3; L Half, 3 on 19/3; L Heather, 6 on 28/1, including 1 juv; L Waiparera, 2 on 19/3 (MH). Kerikeri E, 1 on 5/11 (GNG), 5 on 16/5 (CMM, CAF). [N] Camp Bay, Whangaruru H, 6 on 18/2; Kissing Pt, Whangarei H, 18 on 31/5 (JBW, MR). Whangarei Heads, 22 on 10/6 (AJT). Port Whangarei, present April-June; 40 on 1/4, max 102 on 23/5 (GRP, GNG). Waipu E, 4 from 31/12 to 3/1 (MT, TR). [A] Muriwai Dune Lakes: L Kuwakatai, 31 on 19/2; L Te Kanae, 4 on 19/2 (SM, OSNZ group). Upper Waitemata H, c.30 on 17/9 near NW motorway

(MJT). Auckland City: Shoal Bay, c.13 on 6/3 (GB); Orakei Basin, flock of 27 roosting on pipeline at wharf on 9/7 (MJT), c.20 in flock on 31/3 (MJT), 60-70 in flight over basin on 14/4 (MJT); Hobson Bay, c.60 on 7/6 (MJT); Devonport, 40 on 20/6 (AJT). Mangere SP, 45 on 22/3 (RBS, GJE, AJT). [SA] Manukau H census, summer 3, winter 11; FoT census, summer 2, winter 79; Coromandel coastal survey, 10 on 12-13/11 (AJG, OSNZ group). [Wk] Rangiriri, 14 on 17/10 (PCC). Hamilton L, 3 on 21/11 (JMR, ASR), 3 on 30/4 (OSNZ census). [BP] Kaituna R, at end of Bell's RD (near Papamoa), 20 on 11/9; Kaituna Cut, Maketu, 4 on 24/9, 8 on 7/5 (PCL). Little Waihi E, 15 on 7/5 (BC), 85 on 28/5 (BHS). Matata, c.30 on 25/2, 8 flying over in V flight on 23/4; Tarawera R mouth, 2 on 3/7 (PCL). Ohiwa H, 100+ on 6/8 (RMW), 145 on 20/5 (WMH). [VP] L Rotoehu, Soda Springs outlet, 40+ on 13/6 (GAT, CW). Sulphur Bay, Rotorua, c.750 shags were roosting on Shag I on 10/3. Most were resting but a few pairs were performing copulation displays. Two banded birds were noted (banded as chicks in Dec 82- Mar 83: 6 years old) (GAT). [T] New Plymouth, occasionally seen at favoured localities (DGM). [Wg] Wanganui E, 45 on 4/3/88, 61 on 23/4/88; L Westmere, Wanganui, 10 on 18/7/87, 17 on 26/1/88 (PJB). [M] Centennial Lag, Palmerston North, 2 in early May (RG). Manawatu E, recorded 23/4 to 17/6, max c.40 on 27/5; Foxton Loop, 3 on 23/9; Foxton No.1 L, 11 on 28/8 (JLM, MM). L Horowhenua, 48 on 21/5 (WRJ, MO), c.50 on 30/6 (DS, MS). [HB] Ahuriri E, Napier, 9 on 9/7, 61 on 6/11 (OSNZ census), 92 on 25/3 (KMW, LW), 3 on 17/6; Waitangi, near Clive, 3 on 9/7 (OSNZ census), 70+ in compact line fishing in falling tide at rivermouth on 1/11 (KVT), c.80 on 17/6; E Clive, 40 on 6/11; Tukituki E, 3 on 9/7 (OSNZ census), 120+ on 1/10, c.250 on 5/11 flying in parallel formation (FET, BS), 14 on 17/6 (OSNZ census). Porangahau E, 8 on 20/8 (HAR, BDH), 2 on 13/11 (OSNZ census), 36 on 11/3 (HAR), 35 on 17/6 (OSNZ census). Aramoana-Pourere B, 7 on 24/1 (TAS). [W] Waikanae E, 45 on 31/3 (AJT). Pauatahanui Lag, c.30 on 18/5 (DS, MS). Wellington H, present July to Sept, max c.30 on 21/9; also 14/4 to July, max c.20 on 8/6; Hutt R, c.12 by rail bridge (Lower Hutt) on 19/4 (JLM, MM).

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

[A] Ti Pt, 4 nests with chicks on 24/11 (SPC). Muriwai Dune Lakes, 52 on 19/2 (SM, OSNZ group). Rocky I (by Moturekareka I), several birds present and 4 nests found in pohutukawa on small stack on 15/10 (AJT, GAT). Hobson Bay, 21 nests with sitting birds on 9/10; 23 nests, some with fledglings on 20/11 (MJT). [SA] Manukau H census, summer 6, winter 34; FoT census, summer 8, winter 13 but unusually high count of 26 on Whakatiwai gravel pits later in day (AJG, OSNZ group). Tapu, 3 occupied nests on 13/11 (DJA, PJA). Coromandel coastal survey 29 on 12-13/11 (AIG, OSNZ group). [Wk] Hamilton L, 2 on 18/2, 9 on 30/4 (OSNZ census). [BP] Tauranga H: Matahui Pt, 3 on 12/11 (PCL), 34 on 30/6 (BC); Sulphur Pt, 1 white throat & 1 smudgy pied on 8/4 (PCL); Matakana I, east end, 30 on 10/5/88 (KOW). Kaituna Cut, Maketu, 1 juv & 1 adult white throat on 1/10 (PCL). Matata-Tarawera R mouth, 14 on 3/7, 10 on 25/2 (CJ, PCL). Motu R mouth, 7 on 22/11 (WHS). [M] Nghaurukehu Scenic Res, Hautapu R, Taihape, 9 nests with eggs and chicks on 16/11 (CCO). Foxton No.1

L, max c.30 on 9/4 and 23/4 (JLM, MM). [HB] Ahuriri E, Napier, 41 on 9/7 (10 pied phase), 21 on 6/11, 60 on 17/6; Waitangi, 8 on 9/7 (3 pied phase), 2 on 6/11, 18 on 17/6; East Clive, Tukituki E, 11 on 9/7, 16 on 6/11, 35 on 17/6 - numbers here greatly reduced in Dec/Jan; Porangahau E, 29 on 23/7 (4 pied phase), 6 on 13/11 (OSNZ census), 12 on 12/3 (HAR), 23 on 17/6 (OSNZ census). Aramoana-Pourere, 5 on 24/1 (TAS). [W] Wellington H, max 21 on 1/6 (JLM, MM).

#### SPOTTED SHAG *Stictocarbo punctatus*

[A] Oaia I, 1 juv present (Not in nest as in 87/88 CSN) on 6/3/88 (GAT). Te Henga, Bethells B, 14 on headland on 25/3 (SD). Tarahiki I, c.700 birds nesting with eggs present on 28/10 (AJT, GAT). Mangere SP, 2 on 13/3 (RBS, KH). [SA] Onehunga, 8 on Manukau H winter census; FoT census, summer 2, winter 200 (AJG, OSNZ group). Tarata Pt, FoT, 91 on 23/6, 25% in good breeding plumage and 1 with white nuptial plumes (AJG). Cocked Hat, Te Mata, 380 included 1 total albino on 26/10. This bird was seen here also in late Aug by E. Pratt (AJG). FoT, north of Tapu, 300+ on 28/1 (KM). [Wg] Wanganui E, 1 on 16/8/87; very rare along the Wanganui coast (PJB). [M] Manawatu E, 1 imm on 28/5 (JLM, MM). Waikawa, 1 juv on 12/2 (RGP). [HB] Waitangi, 1 bird in eclipse plumage on 4/2 (KVT). East Clive sewer outfall, 20 on 9/7, 11 adults plus 4 juvs on 30/7 (MTC, JRP), max 33 juvs on 1/10 (JGH), none during Nov-Jan (MTC), 1 or 2 until 17/5 when 5 seen (ARG), 15 on 17/6 (OSNZ census). Black Reef, Cape Kidnappers, main roost in region. None present during mid-summer (KVT). [W] Waikanae E, 2 juvs on 27/3 (DS, MS). Wellington H, 1 or 2 from July to Dec, 1 on 21/4 (JLM, MM).

#### WHITE-FACED HERON *Ardea novaehollandiae*

[FN] Kerikeri Inlet, 18 on 5/11 (GNG). [N] Present in small numbers at coastal bays and river mouths from Cape Brett to Bream Tail (JBW, MR, GNG). Port Whangarei, max 16 on 15/5; Takahiwai, max 13 on 5/2; Tangiteroria, 10 on 25/9 (GNG). Waipu E, 13 from 31/12 to 3/1 (MT, TR). [A] Jordans, Kaipara H, 120 on 12/4 (PFB, CJ). Parakai, 100 on 21/6 (PFB, SD). Mangere SP, 23 on 19/2 (CJ, PFB). [SA] Manukau H census, summer 373, winter 336; FoT census, summer 203, winter 153; Coromandel coastal survey, 146 on 12-13/11 (AJG, OSNZ group). Whangamata H, 132 on 9/9 (PCC), 126+ birds roosting on mangroves during high tide on 4/4 (GAT, SLT). [Wk] Kawhia H, 32 on 26/11, 13 on 25/6 (OSNZ census). [BP] Bowentown Airstrip, 10 on 17/7; Katikati, c.60 on 17/7; Matahui Pt, Tauranga H, 35 on 12/11 (PCL), 71 on 30/6 (BC). Omokoroa Golf Course, 25 on 12/11 (KLB). Ohiwa H, 59 on 4/7; Waiotahi E, 128 on 4/7 (WMH). Waiotahi E, 14 on 27/11; Waiaua E, 7 on 3/7; Motu R mouth, 2 on 22/11 (WHS). [G/W] Hopuruahe R mouth, L Waikaremoana, 2 on 18/10 (KOW). [HB] Ahuriri E, 25 on 9/7, 40 on 6/11 (OSNZ census), numbers build up during summer, becoming commonest wader except for Pied Stilts (MPT, PWT, KT), 22 on 17/6; Waitangi-Tukituki E, 9 on 9/7, 10 on 6/11, 21 on 17/6; Porangahau E, 7 on 23/7, 5 on 13/11, 15 on 17/6 (OSNZ census). Taradale, nesting at last years site in pines on golf links on 29/7 (JLL, MTC). Te Hauke, 25 feeding among cattle on 10/7 (KVT), first seen carrying nesting material to bare isolated willow on 23/7 (JLL, MTC). Aramoana-Pourere, 29 on 24/1 (TAS). [Wr] Lake Wairarapa, Max. of 23 on 9/7 (BDH, HAR) [W]

Nga Manu, Waikanae, 1 stalking and eating blowflies on 7/2/83 (AJT).

#### WHITE HERON *Egretta alba*

[A] South Kaipara Head, 1 on lakes on 7/4 (CE). Jordans, Kaipara H, 1 on 18/6/88, 2 on 25/9, 1 on 26/10 (ACR, SJD). [SA] Waiuku, 1 on 10/10 (AS). [BP] Matata-Tarawera R mouth, 1 on 11/9 and 23/4 (CJ, PCL). [M] Ohakea, 1 on 6/6 (IS). Whirikino (near Foxton) 1 on 17/10 (GR). [HB] East Clive, 1 seen throughout winter '88, last seen 10/9 (FET, BS), absent during summer, first sighted again on 5/4 (BMT, NL), with frequent sightings April-June (MPT, PWT, KVT, OSNZ census). Anderson Park, Taradale, 1 seen frequently throughout winter '88, probably bird from East Clive (JRP). Seen to seize a goldfinch from a flock. Could not swallow it, so ducked it in water and beat it flat with bill before finally swallowing it (LW, KMW). L Hatuma, 1 on 23/7 (OSNZ group), and 21/8 (BDH, HAR). [Wr] Henley Ponds, Masterton, 1 on 16/9 (TCD). Allsops Bay, L Wairarapa, 1 on 6/5 (JWL).

#### LITTLE EGRET *E. garzetta*

[FN] Rawene, Hokianga H, 1 on 26/6 (BJG). [A] Mangere SP, 1 on 3/7 (CB), 25/9 (out on long sandbank in harbour) (VJL) and 11/3 (PFB). [SA] Manukau H census, winter, 1 at Wattle Downs Ponds, Manurewa (AJG). [T] New Plymouth, 1 near mouth of Waiwhakaho R between 6/7 and 16/9 (DGM, GLB). [HB] East Clive, 1 with a White Heron on 13/5 (MJ), seen during May/June (PWT, RS, TAS), a species regular in Hawkes Bay until 1982, not seen again until this year (MTC).

#### REEF HERON *E. sacra*

[FN] Cape Reinga, 1 on 6/6, feeding on open sandy beach (GRP, GDO). Parengarenga H, 3 on 8/3, on a shellbank at high tide (PA); 3 roosting on wharf at Paua on 2/5 (GRP, PA, WM). The Bluff, Ninety Mile Beach, 1 on 11/10 (BHS). Mangonui H, 1 on 24/3 (GNG) and 13/6 (MH). [N] Whangaruru H, Puriri Bay, 1 on 27/2 (BHS); Camp Bay, 1 on 18/2 (JBW, MR). Whananaki H, 1 seen on small island on 2/4/88 (GAT). Ngunguru Bay, 1 on 9/10 (BHS). Pataua, 1 on 27/1, flapping legs and wings (GNG). McLeod Bay, 2 on 17/5 (GRP). Whangarei Heads, 1 on 3/1 on rocks; Smugglers Bay, Bream Head, 2 on 12/3 (PA). Whangarei H, Onerahi and Port Whangarei, 1 or 2 seen on several occasions from Aug-June (PA, GNG). Ruakaka E, 1 on 11/3 (GNG) and 21/5 (GRP). Waipu E, 1 on 18/3 (PFB, GAP, CH, AJT). Hen I, Dragon Mouth's Cove, 1 on 8/6 (AJT). [A] Great Barrier I, 1 at Whangaparapara on 1/5 (AJT). Little Challenger I, off Kawai I, 1 on 27/6 (AJT, GAT). Motuora I, 1 on 22/10 (SPC). Single birds seen regularly on estuaries of Te Muri (near Mahurangi West), Puhoi, Waiwera, and Orewa Rs, and headlands in between, Oct 88-June 89 (RJP, GAT, AJT). Hobbs Bay, Whangaparaoa, 2 on 4/2 (MT). Wade E, 1 on 30/10 (JED). Muriwai City: Devonport, 1 on 26/4 (AJT); Judges Bay, 1 flying onto rocks on seaward side of Tamaki Drive (MJT); Hobson Bay, 1 being molested by a Black-backed Gull on 22/9 (mJT); St Heliers, 1 on 10/5 and 5/6 (KB, PFB, AC); Whakatakataka Bay, 1 on 7/10 (MJT). Whitford E, 1 on 18/4 (GAT, TG, AJT). Pearl Bay, Waiheke I, 2 on 13/12 (BS). Stack north of Ponui I, 1 partly eaten bird on 29/10 by nest with crushed egg, apparently killed by predator, 3 others seen (GAT, AJT). Karekare B, 1 on 9/3 (ACR). Ambury Park, Mangere, 1 on 30/7 (MJT). [SA] Mataitai/Kawakawa Bay,

1 on 26/7 and 17/9 (AJG, JVD), 2 on 22/1 and 29/1 (DJA, PJA), 1 on 31/5 (PFB *et al.*). Whakatiwai, 1 on 16/11 (JLP). Kaiaua, 1 on 17/9 (DJA, PJA). Port Waikato, 2 on 24/7 (AJG, OSNZ group). Thames, 1 on 25/6 during FoT census (AJG). Coromandel coastal survey, 8 seen on 12-13/11: Te Mata/Waikawau 1, Colville 3, Waiaro 1, Stony Bay 1, Whangapoua 1, Wharekakaho, Mercury Bay 1 (AJG, OSNZ group). Kuaotunu, 1 on 2/2 (E Pratt). Stanley I, Mercury group, 2 seen 16-21/5 (GAT, TGL). Monkey Rock, off Motuwi I, Motukawao Group, 1 on 25/12 (CMM). Te Puru (FoT), 1 on 8/4 (GAT). Whiritoa, 2 on 29/1 (HMS). [Wk] Kawhia H, 1 on 25/6; Aotea Lag, 1 on 25/6 (OSNZ census). Taharoa, 1 feeding on fish alarmed by four fishing Little Black Shags, in small beach lagoon on 14/6 (WIR *et al.*). [BP] Tauranga H: Bowentown, 1 on 12/11 (BC); Panepane Pt, Matakana I, 2 on 12/11 (RCM); Matakana I, east end, 1 on 10/5/88 (KOW); Mt Maunganui entrance, 4 on 23/7 (ASR); Sulphur Pt, 1 on 29/1 and 8/4 (PCL), 2 on 6/5 (BC) and 27/5 (BHS). Kaituna Cut, Maketu, 1 on 11/9, 22/4 and 10/5 (RSC, CJ, PCL, KLB). Maketu E, 2 on 30/10 (PCL, NAS). Little Waihi E, 1 on 30/10 and 22/4 (KLB, PCL). Ohiwa H, 1 on 4/7, 2 on 4/5 (WMH). Waiua E, 2 on 3/7 and 22/11 (BHS). [T] Whareumu Rocks, Sugar Loaf group, 2 resting on 25/1 (GAT, CW). North Taranaki, present along coast in small numbers (DGM). [Wg] Wanganui E, 1 on 19/2, a rare visitor to this coastline (OCT, GR). [M] Manawatu E, 1 on 29/3 (JLM, MM). [HB] Ahuriri E, 1 on 9/7 (OSNZ census), absent during summer but 1 on 19/2 (KVT), still present June 89 (MTC). Regular visitor over past 10 years. [Wr] Mataikona B, 1 pursuing a juv Black-backed Gull on 2/10 (TCD). [W] Pauatahanui Lag, 1 on 17/5 (DS), Mana I, 3 on 12/11, 4 on 18/2 (AJB). Wellington H, 1 or 2, July-Jan, 1 on 12/4 (JLM, MM).

#### CATTLE EGRET *Bubulcus ibis*

[FN] Paua, 6 on 19/4/88 (RJP). Unahi RD, Awanui, 20 on 28/4, (M. Dean per MH); c.50 on 23/5, 52 on 25/6, feeding amongst adult cattle (MH). [N] Mata, near Whangarei, 18 on 22/7 (GRP, GNB), 16 on 5/8 (GRP, PA). [A] Parakai, near Helensville, 65 on 2/7 (CB), 50 in late Aug (SM), 57 on 2/5 (CE), 60 on 18/6 (GAP, SM). Orewa Ponds, 3 on 12/6/88 (MT), 1 in late Aug (SM). Mangere SP, 1 on 3/7 (CB), 2 on 31/7 (DGB *et al.*), 1 in breeding colour on 18/9 (MJT, VJL), 2 on 2/5 (CE), these had orange bills and black legs on 5/5 (GAT). Waitakeres, 2 on dam in April (HS). Whatipu B, 1 dead on 11/5 (AJT, GAT, SD). [SA] Otaua, near Waiuku, 64 on 28/8, consorting with sheep; 2 birds perched on their backs; 30% showed some colouring. Informed by local that they roosted at night on top of isolated, flat topped 7m pine. During 1989, flock favoured same area. Numbers built up slowly (R. Stone) from 2 on 16/4 to 37 on 6/5 (AJG, OSNZ group). Piako, 15 on 23/4, told they arrived about 9/4 (DJA, PJA, ND, DGB). [Wk] Ward's farm, Rangiriri, 265 on 21/8 (OSNZ census); in 1989 rising from 4 on 12/4 to c.145 on 29/6, occasionally moving to neighbouring farm or to their old site of Clune's farm on Churchill RD (JW *et al.*). Churchill RD, 8-10 on 17/11, 2 very brightly coloured (ASR), 4 on 4/12 (BDH *et al.*). Horsham Downs, 6 on 23/10 (PJT). Onion RD, Te Rapa, 8 on 12/8 (SC). L Ngaroto, 32 on 20/8 (OSNZ census); 4 on 22/4, 16 on 6/5 (RWD). [BP] Maketu, 15 on 21/8 (GGB), 17 on 11/9 (most birds well into breeding dress) (PCL), 3 on 10/5, probably just arrived (KLB). Awaiti, near Thornton, 47 on 20/8

(PCL), 35+ on 27/5 (RMW), 39 on 26/6 (WMH). Bregman's Wildlife Management Res, c.10 near reserve on 27/4/88 (KOW). Kukumoa, Opotiki, 10 on 3/7 (BHS). [T] Barrett RD, New Plymouth, 7 in July, 4 on 22/10, 10 on 17/6; Waitara R, 10 on 9/5 (DGM, AE, EW). [Wg] Whangaeu R RD, max 25 on 4/7/87 (PJB), 7 on 31/12, 22/1 (IS) and 14/5, 16 on 3/6 (GR). [M] Small flocks of 3 to 12 were seen in the Foxton region in Jan and Feb. These were probably overstayers; small numbers are known to have overwintered previously. It is not known when or if they join flocks at L Horowhenua or Whirikino in winter (SEC). Pukepuke Lag, 11 on 28/2, 1 on 23/4 (IS). Manawatu E, 3 (2 in breeding plumage) on 14/1 (JLM, MM). Foxton B area, 12 on 14/2 (TR), 9 on 19/2 (RAC). Whirikino (near Foxton), present 1/7 to 13/11 and 1/5 to 30/6: c.95 on 10/9 (JLM, MM), 135 on 5/11 (MO), 40 on 13/11 (JLM, MM), 27 on 1/5 (WRJ), 70 on 17-18/6 (JLM, MM, WRJ, MO). L Horowhenua, 3 on 12/4, 12 on 26/4, max 27 on 16/6 (WRJ, MO). [HB] Fewer in numbers during 88/89 and not at any of the usual places until after mid-May (MTC). Puketapu, 12 in early July (per MTC). Swamp RD, Fernhill, 5 on 10/6 (RMH, JGH). Waimarama, 1 on 14/5 (HA). Horseshoe L, 2 on 20/8 (per MTC). L Hatuma, 19 on 19-20/8 (CFM, HAR, BDH). Te Rehunga, Dannevirke, 2 in early May (per MTC). [Wr] Tupurupuru, near Gladstone, 3 on 14/4 (WLC). Monk's farm, near Featherston, 20 in single flock on 27/8 (HAC, JAD, TCD).

#### AUSTRALASIAN BITTERN *Botaurus stellaris poiciloptilus*

[FN] Waikuku Swamp, North Cape, 1 on 30/3 (GRP *et al.*). Kaitaia-Ahipara, 1 on 14/10 (BHS). Rangiahua, upper Hokianga H, 1 flying at dusk on 27/6 (GRP). [N] Kiripaka, near Whangarei, 1 on 19/3 (JBW, MR). Horahora E, 1 on 21/11 (PA). North Kaipara Head (P08/984523), 1 on 18/5 (GRP). [A] Mangawhai, Black Swamp RD, 1 on 30/7 (ASR). South Kaipara Head, L Kereta, 1 on far side of lake on 23/9. This bird caught 2 fish (carp?), 1 so large it could not eat it; fish finally escaped back to water (VJL), 1 seen on 8/4, plus 1 from Bird Rescue released here (MJT, GJA). Taporu, Kaipara H, present on 9-11/12 (MJT). Whatipu B, 1 on 7/7 (JES). [SA] Sandmine lookout, Waikato R, 1 feeding in tall "cress" (AJG, OSNZ group). Whangamarino, booming frequently Sept to Oct (FN). Coromandel coastal survey: Coromandel 1, Whangapoua H (north side) 2, on 12-13/11 (AJG, OSNZ group). [Wk] L Whangape, 1 with injured wing on 15/7 (SMN); Huntly West, 1 with dislocated lower jaw, in ditch on 19/11; both taken to Kiwi House (FN). Taupiri, 1 on 8/7 (SM *et al.*). Whitehall, 1 on 8/6 (tbt). South Taharoa Ls, 1 on 2/1 (SPC). [BP] Kaituna Cut, Makeru, 1 on 11/9 (RSC, CJ). Waitotahi E, 1 on 27/11; Kukumoa, Opotiki, 1 on 3/7 and 27/11 (BHS). Matata/Tarawera R mouth, 4 on 23/10/87 (KOW). Awaiti, near Thornton, 1 on 27/5 (RMW). Orini Wildlife Management Res, 1 on 23/10/87 (KOW). [T] New Plymouth, 2 at Beach RD Lag on 4/12 (DGM). [Wg] Waitotara R Lags, 1 on 13/11 (DGM). Waitotara, L Nukumarua, 1 on 18/5 (PJB). Wanganui Guyn Club RD, 2 on 17/11, 1 on 7/3 (DS, MS). Foxton Loop, booming on 27/12 and 2/1, 3 seen on 28/1; Foxton No. 1 L, 1 on 28/8 and 12/3, 2 on 23/4 (JLM, MM). [HB] Ahuriri E, 1 at top end on 17/6 (OSNZ census). Westshore Lag, 1 on 13/5 (MPT, PWT). Meeanee, 1 or 2 on 9/9 (TAS). East Clive, 1 on 9/7 and 6/11, 3 on 17/6 (OSNZ census). Tukituki E, area adjoining E Clive, 3 on 16/4 (CFM, MPT, PWT). [Wr]

Boggy Pond, L Wairarapa, 1 on a stop bank on 22/10 (NEH, BIL, TCD). Pirinoa, 2 feeding in a small open farm dam in January (JWL).

#### GLOSSY IBIS *Plegadis falcinellus*

[FN] L Waiporahita, Tokerau B, 2 on 12/5 (MH). [SA] Whangamarino R, 1 km upstream of Maramarua confluence, 1 on 5/11 (ND). [Wk] Clune's farm, Rangiriri, 1 on 8/7 with 141 Cattle Egrets (SM *et al.*). [Wr] L Wairarapa, 4 on 9/7 and 28/8, 1 feeding actively in wet mud in company with 4 White-faced Herons on 26/11 (BDH, HAR, TCD); still present on 12/6, feeding in marshy paddock at north end of lake (DS, MS).

#### AUSTRALIAN WHITE IBIS *Threskiornis molucca*

[A] Helensville, 1 flying over township on 10/1 (BG).

#### ROYAL SPOONBILL *Platalea regia*

[FN] Parengarenga H, 7 on 19-20/4/88, 6 on 18/4 (RJP); Waitiki Stream, 7 on a dam on 2/5 (GRP, PA, WM). Unahi wharf, Rangaunu H, 27 on 18/5 (GRP, GL, AZ), 16 on 6/6 (GRP, GDO), 26 on 25/6, possible roost in pines by fish factory (MH). Elliot's B, BoI, 1 on 20/5 (GRP, JP). Jack's B, BoI, 1 on 1/6, had been there two weeks according to a local (GRP). Frenchmans Swamp, BoI, 1 bird from 18-30/6, looked scruffy when first observed, possible juv as wings appeared grey (LDS). [N] Port Whangarei, 3 birds from 1/4 to 8/5, 4 birds from 15/5 to 5/6 (GNG, GRP). [A] Kaipara H: Jordans, 3 on 18/6/88 (ACR). Island off Shelley B, 2 on 14/12 (CHO). Kaipara R, Helensville, pair on 1/8 (BG), 3 in Sept (CE). Mangere SP, 12 on 8/6/88 (ML), 14 on 3/7 (CB), 21 on 29/7 (GJE, RBS, TGL) and 16/9, 25 on 25/9 (VJL), 9 on 13/11, 4 on 20/11 (MJT), 2 on 30/1 (VJL), 7 on 12/4 (AJT, GJE), 12 on 21/4 and 5/5 (AJT, GAT, GJE, RBS), 19 on 31/5 (AJT, AC, PFB, DJO), 21-23 in June (KB, NR). [SA] Whangamata H, 1 in early Sept (HMS). [Wk] Kawhia H, 2 on 25/6 (OSNZ census). [BP] Kaituna Cut, Makeru, 1 present at least between 21/8 and 30/10, in breeding dress by 1/10; returned in autumn, 1 on 26-27/3 (GGB, PCL, DDM), 2 on 7/5 and 10/5 (KLB, MB) and 28/5 (BHS). [VP] L Taupo, Tokaanu, 1 with waterfowl on exposed island on 19/5/88 (PFB, AC). [T] Waitara R, 1 on 17-19/10 (DGM, WBM, EW). [Wg] Wanganui E, 2 on 4/7/87, 1 on 29/10/87 (PFB), winter '88; last sighting 2 adults plus 2 juvs on 1/10, 4 on 10/5, 5 on 30 1/6 (OCT, CCO, RS, GR). [M] Manawatu E, birds recorded all months except Feb (JLM, MM); 28 on 16/7 (EG, JL, MN), 2 adults + 2 juvs on 3/1, max 51 on 6/5 (2nd highest recorded); Foxton No.1 L, 1 on 12/3 (first record) (JLM, MM). L Horowhenua, 3 on 2/4 (BAT, JL), 5 in May and June (WAJ, MM); 4 roosting on newly created small shingle island on 30/6 (DS, MS). [HB] Ahuriri E, 19 on 9/7 (OSNZ census), 9 at southern marsh on 16/10 were last seen for '88 (MPT, PWT), 4 were back on 19/3 (TAS), 10 on 24/3 (LW, KMW), 16 including 6 imms on 22/4 (MPT, PWT, KT), 18 on 2/5 (TAS), 20 on 17/6 (OSNZ census). Marine Parade, Napier, 1 flew in from the sea heading for the estuary 3 kms away on 6/6/88 (NL). [Wr] L Onoke Spit, Palliser Bay, 1 on 3/12 (CES). [W] Waikanae E, 2 from 29/4 to 30/6 (BAT, IS, DS, MS). Hutt R, Totara Park, 1 on 27/11 (DBB). Errata: CSN, June 1987, Vol 34. "Wanganui E, 1 on 4/11, 20 on 25/11, 10 on 8/12, 4 on 3/5 (PFB, GJR, OCT)" should read "...2 on 25/11, 1 on 8/2 and 2/5, 2 on 31/5, 14/6 and 28/6 (PFB, GJR)".

MUTE SWAN *Cygnus olor*

[M] L Horowhenua, 1 on 23/5 and 23/6 (WRJ). [HB] L Poukawa, c.6 present 88/89. 18 Mute Swans were originally released on lake some years ago but population has dwindled. Horseshoe L, 2 were transferred here from L Poukawa. 2 were seen on 7/8 but unknown whether they bred (KVT). [W] Pauatahanui Lag, 1 on 24/7, 24/9 (JLM, MM).

BLACK SWAN *Cygnus atratus*

[FN] Te Werahi Lag, Te Paki, 8 on 14/2 (BHS). Puaa, Parengarenga H, many present on 13/10 (BHS). Aupouri dune lakes: L Half, 5 on 19/3; L Heather, 3 including 1 juv on 28/1; L Waiparera, 5 on 19/3; L Rotorua, 11 including 2 juvs on 28/1 (MH). [N] Waipu E, 7 from 31/12 to 3/1 (MT, TR). [A] Hobson Bay, Auckland City, 2 present during foggy conditions on 24/7 (W. McQuarrie per MJT). Mangere SP, 4 on 19/2 (CJ, PFB). [SA] Manukau H census, summer 2, winter 21; FoT census, winter 11; Coromandel coastal survey, 98 on 12-13/11 (AJG, OSNZ group). [Wk] Lake D, near Horsham Downs, c.12 in Sept (DH, GH). Hamilton L, 98 on 21/11, 29 + 5 cygnets on 18/2, 16 + 3 cygnets on 30/4; Aotea H, 8 on 26/11; Kawhia H, 70 + on 26/11, 160 + on 25/6 (OSNZ census). South Taharoa Ls, 424 on 2/1 (SPC). [BP] Tauranga H: Matahui Pt, 650 feeding off point on 12/11 (PCL); Aerodrome Bay, 130 on 26/6 (GGB, LJB). Kaituna Cut, Maketu, 31 on 11/9; Matata, 80 on 27/11, 50 on 23/4 (PCL). L Aniwhenua, 64 adults and 15 cygnets on 25/1/88 (KOW). [VP] L Rotoiti, 539 adults plus 29 cygnets on 23/1, total lake census (KOW). L Rotoehu, c.1400-1500 on 13/6 (GAT, CW). L Rotorua, 3349 adults and 44 cygnets on 23/1, total lake census including Ohau Channel; L Rotomahana, 621 adults and 60 cygnets on 25/1/88; L Rerewhakaaitu, 180 adults and 9 cygnets on 25/1/88 (KOW). [G/W] Hopuruahine R mouth, L Waikaremoana, 2 adults plus 5 cygnets on 18/10; L Whakamarino, near Tuai, 36 on 17/10 (KOW). [Wg] L Virginia, Wanganui, pair + 4 cygnets on 25/9 (CCO). Wanganui E, 12 on 5/6 (OCT). Heggies Pond, Fordell, pair + 2 cygnets on 5/6 (GR). [M] Manawatu E, 1 on 10/9 and 29/12, 20 on 27/5; Foxton No.1 L, breeding, c.150 cygnets on 1/1; max c.210 birds on 23/4; Whirikino, near Foxton, c.100 on 10/9; Moutoa, c.80 on 17/6 (JLM, MM). [HB] Ahuriri E, 112 on 9/7, 19 on 6/11, 15 on 17/6; Westshore Lag, 76 on 9/7, 12 on 6/11, 128 on 17/6; Southern Marsh, Westshore, 31 + 8 cygnets on 6/11, 17 on 17/6; Porangahau E, 25 on 23/7, 38 on 13/11, 39 on 17/6 (OSNZ census). L Poukawa, c.300 grazing in fields on 10/7 (KVT). Horseshoe L, 226 on 7/8 (a big number for this small lake) (OSNZ group). Anderson Park, Taradale, swans, ducks and geese were competing for bread thrown in by bystanders. A cygnet picked up a duckling and threw it away so it could not get to the bread (KMW, LW). [W] Wellington H, 1 on 31/5; Hutt R, 4 by rail bridge on 10/4 (JLM, MM).

CANADA GOOSE *Branta canadensis*

[SA] Tuakau Sp, 6 on 21/5 (AJG, OSNZ group). Tairua H, upper reaches opposite Oturu Creek, 4 on 12-13/11 (AJG). [Wk] L Hakanoa, Huntly, 50 on 18/5 (AJT *et al.*). Taupiri Lag, pair with downy gosling on 17/11 (ASR). Hamilton L, 2 on 21/11 (JMR, ASR), 2 on 18/2, 1 on 30/4 (OSNZ census). [BP] Aongatete, Tauranga H, c.300 on 25/4 (2 with red neck bands) (PCL). Omokoroa Golf Course, 12 on 17/7 (KLB). Kaituna Cut, Maketu, 3 on 11/9, 4 on 1/10 and 30/10, 6 on 26/11 (RSC, CK, PCL).

Little Waihi E, 70 on 7/5 (BC). Otamarakau, 12 on 11/9 (RSC, CJ). Matata, 1 on 11/9 and 25/2, 7 on 23/4 (RSC, BC, CJ). [G/W] Karakatuwhero R mouth (near Te Araroa), 10 on 14/10 (RJP). [T] Barrett Lag, New Plymouth, 259 on 1/4 highest count to date; main stronghold of species in North Taranaki where numbers have increased over recent years (DGM). [Wg] Waitotara, L Nukumarua, 2 on 18/5 possibly hybrids: 1 had a dark bill, 1 a pale bill, both had light brown cheek patches, extensive white patches at top base of bill, rest of head and neck dark brown, breast lighter brown grading to pale underparts, 1 with dark tipped undertail coverts (PFB). Wanganui E, 1 seen irregularly autumn '88, possibly a hybrid: pale bill, white patch at top base of bill and off-white cheek patches not sharply demarcated from head and neck (PFB). [M] Manawatu E, 1 flew through on 27/8; Foxton No.1 L, breeding, a pair and 1 gosling on 11/12; max 7 on 1/1 (JLM, MM). [HB] Westshore Lag, 10 on 17/6, infrequent visitors to Napier, first seen on that lagoon; Porangahau E, 18 on 23/7, the first seen here, 20 on 17/6 (OSNZ census). [W] Hutt R, 5 by rail bridge from 27/2 to 15/5 (JLM, MM).

CAPE BARREN GOOSE *Cereopsis novaehollandiae*

[Wg] L Pauri, Wanganui, 1 on 14/12 (JC), present until end of March, apparently escaped from game farm in Waikanae (GR). [W] Waikanae E, 3 present on 11-12/12 (BAT, JL), 1 remained through Jan and Feb; allowed very close approach (BAT, JS, CC, DS, MS), 2 on 28-31/3 (AJT).

PARADISE SHELDUCK *Tadorna variegata*

[FN] Puaa, Parengarenga H, many pairs, 1 pair with small ducklings on 13/10 (BHS). Aupouri dune lakes: L Half, 50 on 19/3; Deep L, 14 on 19/3; L Heather, 6 on 28/1; L Rotorua 16 on 20/1 (MH). [N] Whananaki Sandspit, 16 on 3/7; Whangaumu Bay, near Ngunguru, 1 pair on 5/3 (JBW, MR). [A] Jordans, Kaipara H, 42 on 18/6/88, 35 on 26/10 (ACR). Muriwai dune lakes, total of 357+ on 19/2 (SM, OSNZ group). L Kereta and L Kereta North, total of 235 on 8/4 (MJT, GJA). Mangere SP, 15 on 19/2 (CJ, PFB). [SA] Manukau H census, summer 8, winter 88 (AJG, OSNZ group). Clevedon, increasing in district, particularly on flats near sea (AJG), eg. Wairoa R, pair with 3 ducklings on 20/11, and 25 birds present on 2/4 (TRH). FoT census, summer 1, winter 8; Coromandel coastal survey, 98 on 12-13/11 (AJG, OSNZ group). Waikawau Bay (north-east Coromandel), 55 on 7/4 (GAT, SLT). [Wk] Waikato population growing steadily and expanding range. Aotea H, 1 on 26/11, 4 on 25/6; Kawhia H, 2 on 25/6 (OSNZ census). South Taharoa Ls, 424 on 2/1 (SPC). Mangaotaki R, near Piopio, 2 broods of ducklings on 14/10 (TBT). [BP] Tuapiro, Tauranga H, 3 on 17/7; Katikati, 2 on 17/7 (PCL). Omokoroa Golf Course, 2 on 17/7 (KLB). Papamoa Long Swamp, 2 pairs on 11/9, 1 pair with 5 fully grown young on 23-29/1; Kaituna Cut, Maketu, 5 on 27/3, 33 on 19/11 (PCL). Matata, 2 on 11/9 (RSC, CJ), 2 pairs, one with 6 fully grown young on 25/2, c.150 on 23/4; Port Ohope Spit, 4 flying over on 3/7 (PCL). Waitohi E, 2 on 27/11 (BHS). L Tamurenuui, near Kawerau, 2 on 3/7 (KOW). [VP] Kaharoa, 1 pair with 7 three quarter grown ducklings and a single drake flying about and calling agitatedly on 6/11 (KLB, PCL). L Rotoehu, 1042 at Soda Springs Bay, plus 141 on remainder of lake on 20/1 (Total = 1183 birds, lake census); L Rotoma: Onewhero Lag, 61 on 20/1, Whakarewarewa Lag, 7 on 20/1; L Rotorua, Sulphur Bay, 245 on 20/1; L Rerewhakaaitu,

35 on 25/1/88 (KOW). [G/W] Hopuruahine R mouth, L Waikaremoana, 3 adults and 7 ducklings on 18/10 (KOW). [T] Tongaporutu E, 22 on 2/5, others common on farm paddocks in valley south of Tongaporutu (GAT, CW). Barrett Lag, New Plymouth, 136 on 14/1 (DGM). Waitara, 181 on lake at Mamaku RD on 31/3. Numbers have increased in North Taranaki over recent years (DGM). [HB] Ahuriri E, 81 on 9/7, 92 on 6/11, 4 on 17/6; Southern Marsh, Westshore, 25 on 9/7, 9 on 6/11 (OSNZ census). Pukehou, 402 on 7/8 (MPT, PWT, KT). Otane, c.600 on 26/4, a very large concentration for the region (KVT). Widespread in other wetlands throughout region but in small numbers (MTC). [W] Pauatahanui Lag, 2 on 18/6 (JLM, MM).

#### CHESTNUT-BREADED SHELDUCK *T. tadornoides*

[N] Mahuta, near Dargaville, 6 on a pond on 3/12 (GNG).

#### MALLARD *Anas platyrhynchos*

[FN] Aupouri dune lakes: L Wingie, 17 on 19/3; L Half, c.40 on 19/3 (MH). [A] Mangere SP, 550 on 19/2 (PFB, CJ). [SA] Bombay Hills, duck with 3 chicks on 28/4 (FEB). [Wk] Hamilton L, 297 on 21/11, 901 on 18/2, 1105 on 30/4 (OSNZ census). [BP] Papamoa Long Swamp, c.500 on evening of 28/1, flew into a pond formed by the heavy Jan rains (PCL). Maketu E, 97 on 14/8/87 (KOW). Matata, c.1000 on 25/2, drakes in eclipse; c.2000 on 23/4 (PCL). [G/W] Hopuruahine R mouth, L Waikaremoana, 15 on 18/10 (KOW). [Wg] L Virginia, Wanganui, 155 adults plus 17 juvs on 4/9/87 (PFB). [M] Manawatu E, max c.1000 on 6/5; Foxton No.1 L, max c.120 on 9/4; Moutoa, several broods on 22/10, max c.150 on 27/12 (JLM, MM). [HB] Ahuriri E, 24 on 9/7, 249 including 18 ducklings on 6/11, 60 on 17/6; Westshore Lag, 739 (a large number for these lagoons) on 9/7, 99 on 6/11, 561 on 17/6; Waitangi, 122 on 9/7, 118 on 6/11, 144 on 17/6; East Clive /Tukiruki E, 19 on 9/7, 51 including 24 ducklings on 6/11; Porangahau, 28 on 9/7, 44 on 13/11, 46 on 17/6; Anderson Park, Taradale, c.400 on 17/6 (OSNZ census). Horseshoe L, c.100 on 7/8 (OSNZ group).

#### GREY DUCK *Anas superciliosa*

[FN] Aupouri dune lakes: L Wingie, 7 on 19/3; L Half, 14 including 5 juvs on 19/3; Deep L, 14 on 19/3; L Heather, 65 on 29/1; L Rotorua, 14 on 29/1 (MH). [A] Rocky I (by Moturekareka I), a pair nesting (9 eggs) on top of stack amongst taupata scrub and rushes on 15/10 (AJT). [SA] Manakau H census, summer 1 at Puhinui, winter 7 in upper harbour (AJG, OSNZ group). [Wk] Scarce and seldom reported in Waikato region. L Hakanoa, 7 on 18/5 (AJT *et al.*). Hamilton L, 1 on 18/2 (OSNZ census). [BP] Matata, c.20 on 23/4 (presumably most are hybrids) (PCL). Thornton lag, 3 on 11/9 (RSC, CJ). [G/W] Hopuruahine R mouth, L Waikaremoana, 2 on 18/10 (KOW). [Wg] Bason Botanical Res, Wanganui, usually at least 2 present (PFB). Turakina E, 6 on 20/6 (PFB, OCT). [M] Manawatu E, 2 on 23/4, 6 on 6/5; Foxton No.1 L, 6 on 23/4; Foxton No.2 L, 2 on 28/8, 4 on 1/1, 6 on 12/3 (JLM, MM). [HB] Not in large numbers in region but seen occasionally in widely distributed areas (MTC). Waitangi, 3 on 6/11 (OSNZ census).

#### GREY TEAL *A. gibberifrons*

[FN] Aupouri dune lakes: L Heather, 16 on 28/1 (MH). [A] Straka's Refuge, Waiwera, 2 on 2/12 (CJ). Jordans, Kaipara H, 7 on 18/6/88 (ACR), 17 on 2/6 (PFB, AC). Ellerslie, Auckland, 1 on a small lake in Michaels Ave Res, with Mallards on 11/7 (GJA). Mangere SP, c.500 on 26/12 and 19/2 (CJ, PFB), 250 on 22/3 (AJT, GJE, RBS). [SA] Manukau H census, summer 10, winter 146 (AJG, MG, SG). Karaka, 30-40 on 7/6 (PFB, AC, PS). Tuakau SP, 62 on 21/5 (AJG, OSNZ group). Miranda, 4 on 27/11, 43 on 27/3, 22 on 2/4 and 6/6 (DJA, PJA, PFB, CJ, 3RC, FoT census, AJG). [Wk] Now well established in Huntly Lakes district, eg L Hakanoa, 170 on 18/5 (AJT *et al.*). [BP] Kaituna Cut, Maketu, 50 on 11/9 (RSC, CJ), 2 on 26/11, 148 on 27/3, 34 on 7/5; Otamarakau, 1 (unwilling to fly) on 23/4 (PCL). [T] Barrett Lag, New Plymouth, 2 on 22/10, 1 on 1/4 are the first North Taranaki records (DGM). [Wg] L Kaitoke, Wanganui, 12 adults plus 2 juvs on 30/1/88 (OCT). L Pauri, Wanganui, 3 on 27/12; Turakina E, 27 on 20/5 (OCT, PFB). [M] Manawatu E, c.20 on 6/5, c.45 on 28/5, c.30 on 17/6; Foxton No.1 L, c.10 on 1/1, 12/3 and 19/4, c.15 on 23/4; Foxton No.2 L, 6 on 12/3; Moutoa, 1 on 27/12 (JLM, MM). [HB] Ahuriri E, 56 on 6/11; Westshore Lags, 57 on 9/7, c.20 on 17/6; Southern Marsh, Westshore, c.75 on 9/7, 85 on 17/6; Porangahau E, 3 on 17/6; Horseshoe L, c.500 on 7/8, a large group for the region (OSNZ census). Meeanee Swamp, 9 on 9/9 (RS, TAS). L Purimu, 2 on 21/8 (HAR, BDH). [W] Waikanae E, 27 on 24/1 (MAF), 65 on 31/3 (AJT). Pauatahanui Lag, 1 on 11/12 (JLM, MM).

#### BROWN TEAL *A. aucklandica chlorotis*

[FN] Kerikeri E, 1 on 16/5 (CAF, CMM). [N] Whananaki E, 60 on 28/4 (GRP). [A] Little Barrier I, 3 on 6/6 (DS, MS). Miner's Head, Great Barrier I, several birds seen in stream by bay in early Jan (GAT, SLT). Tiritiri I, pair on dam raised 1 chick in Jan (RW). Mangere SP, 1 on 13/11 and 26/12 (CJ). [SA] Port Charles, 1 amongst rushes by stream mouth at south end of bay on 7/4 (GAT, SLT). [VP] Hamurana Springs, L Rotorua, 1 on 10/5/88 (CMM, CAF). [W] Kapiti I, Boatshed swamp, 1 on 9/1 (CMM, CAF).

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

[N] L Mokeno, Pouto, 108 on 17/1 (GRP). [A] Straka's Refuge, Waiwera, 2 on 2/12 (CJ). Orewa Ponds, 200 on 12/6/88 (MT). L Kereta North, 6 on 8/4 (MJT, GJA). Mangere SP, 139 on 14/6/87 (GAT), 6 on 14/10 (KH), 70 on 19/2 (CJ, PFB). [SA] Manukau H census, summer 4, winter 84 (AJG, MG, SG). Miranda, 98 on 6/6 (DJA, PJA). Tuakau SP, 80 on 21/5 (AJG, OSNZ group). Whangamarino Swamp, August, 1 drake with breast almost as white as Northern Shoveler but definite NZ Shoveler eye crescent (DJA, PJA). [Wk] L Hakanoa, 23 on 18/5 (AJT *et al.*). Taupiri, 2 on 17/11 (ASR). Hamilton L, 2 on 7/5 and 13/5 (MAB), 1 on 27/6 (ASR, JMR). South Taharoa Ls, 10 on 2/1 (SPC). [BP] Kaituna Cut, Maketu, 8 on 1/10, 1 drake in eclipse on 26/11, 3 on 22/4; Matata, c.30 on 25/2 including drakes in eclipse; c.100 on 23/4 (PCL). Thornton Lag, 20 on 11/9 (RSC, CJ). L Tamurenu, near Kwarau, 25 on 3/7 (KOW). L Aniwhenua, 20 + on 12/3 (RMW). [G/W] Hopuruahine R mouth, L Waikaremoana, 9 on 18/10 (KOW). [T] Barrett Lag, New Plymouth, 1 on 22/10 and 4/12; Beach RD Lag, New Plymouth, 9 on 17/6; Waitara, 30 on lake at Mamaku RD on 20/5 (DGM). [Wg] Waitotara E, 8 on 7/7 (PFB), 4 on 13/11 (DGM). L 203

Westmere, Wanganui, 17 on 18/7/87; Bason Botanical Res, Wanganui, 3 on 27/1/88 (PFB). Turakina E, 9 on 20/5 (PFB, OCT). [M] Marton SP, 107 with Dabchick in mid-May; Mallards were separate on an adjacent pond (RWW). Manawatu E, 2 on 23/9, 20 on 6/5, c.300 on 28/5; Foxton No.1 L, breeding, a female with 4 juvs on 11/12, max 120 on 27/4; Moutoa, 2 on 27/12 and 28/1, 6 on 22/10 (JLM, MM). [HB] Ahuriri E, 21 on 9/7, 23 on 6/11; Westshore Lags, 437 on 9/7, 17 on 6/11, 528 on 17/6; Southern Marsh, Westshore, c.25 on 9/7; Waitangi/East Clive, 8 on 9/7, 11 on 6/11, 9 on 17/6; Porangahau E, 23 on 23/7, 14 on 13/11, 57 on 17/6; Horseshoe L, c.190 on 7/8 (OSNZ census).

#### BLUE DUCK *Hymenolaimus malacorhynchos*

[Wk] Pureora SF, 2 flying along Link RD at night on 22/10 (RWW). [VP] Mangorewa Gorge, Kaharoa, fresh droppings found on boulders but no birds seen on 10/7 (PCL). [G/W] Waikohu R, near Matawai, 1 on 21/11 (KOW). [T] Egmont NP, 6 captive reared birds released by DoC in April 1987; 2 adults and 1 juv seen in area of release on 5/3 and 2 at L Dive on 14/5 (DGM, GB). [HB] None seen in Kaimanawa or Kaweka FP during 6 day tramp, mid-Jan (TAS). Makaroro R, Ruahine Range, 1 pair in upper reaches on 21/5. Apart from 1 bird seen at Mangleton near Ruahines two years ago, the only known sighting in the Ruahines in recent years (JRB). [Wr] Mangatarere R, 1 in November, possibly first confirmed sighting on eastern side of Tararua for 50 years (JWL).

#### NEW ZEALAND SCAUP *Aythya novaeseelandiae*

[FN] L Waiporohitu, Tokerau B, 2 on 12/5, amongst numerous ducks (I. McMillan per MH). [A] Muriwai dune lakes, Okiritoto Stream, 1 on 19/2 (SM, OSNZ group). L Kereta, 5 on 18/12 (MJT, CJ). Straka's Refuge, Waiwera, 11 on 2/12 (CJ). Western Springs L, Auckland, 1 imm or female on 21/4 (AJT) and 5/5 (GAT, SLT). [Wk] Hamilton L, 1 on 21/11 (ASR, JMR). South Taharoa Ls, 17 on 2/1 (SPC); have been established in low numbers on these lakes since 1984. [BP] Matata, 40 from 11/9 to 25/2, 74 on 23/4 (PCL, RSC, CJ). Rangitaiki R to Thornton Lag, 20 on 11/9 (RSC, CJ). [VP] Sulphur Bay, Rotorua, huge raft of c.1400 birds loafing on the water on 25/4/88. This is the largest flock I've seen in the Rotorua district (GAT). [G/W] Hopuruahine R mouth, L Waikaremoana, 1 on 18/10; L Whakamarino, near Tuai, 6 on 17/10 (KOW). [T] Barrett Lag, New Plymouth, 10 on 7/8; L Mangamahoe, New Plymouth, 46 on 30/10 (DGM). [Wg] L Pauri, Wanganui, 2 on 27/12, often present (OCT, PFB). L Kaitoke, Wanganui, 13 on 10/12 (OCT). [HB] Horseshoe L, c.50 on 7/8 (OSNZ census). [W] Waikanae E, 2 on 6/11 (MF, JL).

#### AUSTRALASIAN HARRIER *Circus approximans*

[FN] Aupouri dune lakes, 2 on 28/1, 6 on 19/3 (MH) [A] Kakanui Pt Kaipara H., 1 released from net on mudflats that also contained rotting fish on 29/6 (GAT, AJT). [Wk] Glen Massey, 1 attacked duck on eggs on 14/10, drove duck off after a prolonged fight (PMB). [Wg] Turakina E, 10 on 10/5/87 (PFB). [M] Whirikino to Moutoa, c.15 on 27/8 feeding on dead lambs (JLM, MM). [HB] Westshore Lags, 14 on 9/7, roost here in some numbers (OSNZ census). Tukituki E, e young raised successfully in nest amongst

reeds in a swamp between a housing settlement and a river, in Dec. The nest was very close to the houses (OSNZ group).

#### NEW ZEALAND FALCON *Falco novaeseelandiae*

[FN] Junction of Kawakawa RD and Russell Back RD, 2 on 16/3 (G. Kemsley per GRP). [N] Ormiston RD, Springfield, 1 on 14/4 (B. Harris per GRP). [SA] Pukekawa, 1 catching sparrows on 29/4 (M. Green per MJT). Coromandel Walkway, vicinity of Poley Bay, 1 on 23/5, and Port Charles RD, 1 on 23/5 (NCP). [Wk] Waingaro, 2 flying above hot springs, calling on 24/3 (DJR). Chartwell, Hamilton, 1 flying along river on 21/6 (BRK). Paterangi, near Te Awamutu, 1 on 9/5 and 11/5 on farmland (RWD). Pirongia West RD, 2 calling on 23/10 (WIR). Hauturu RD North, near Kawhia, 1 on 3/9 (ASR). Mapara SF, 1 on 14/9 (PJT). Tunawaea Stream, North Pureora, 1 on 24/9 (RWD et al.). Pureora SF, 1 on 22/9 (ASR et al.). Sparsely distributed throughout southern and western parts of the region. [BP] Matata, 1 flying across Tarawera R on 12/7 (RMW), 1 reported by a competent Australian bird watcher in late June (PCL). Kawerau, 1 on 19/6 chasing a Black-backed Gull, which screeched in alarm, over Mt Edgecumbe. The Falcon had two stoops, missing each time (RMW). [VP] Tongariro NP, 1 on 22/5 where Route 47 crosses Whakapapa R (PFB). Kaimanawa FP, 1 near Boyd's Lodge on 18/1 (TAS). [T] Mimi R mouth, 1 on 4/9 (DGM). [Wg] Moumahaki lakes, Waverley, 1 on 16/6 (CCO). Wanganui City, 1 on 21/4, calling in flight (GR). Atene Skyline Walkway, 1 heard on 25/4 (GR). Puketotara Hut, Whanganui NP, 2 on 17-24/2 (RS). Retaruke, Waimarino, 1 on 19/7 (GBH). [M] Rangiwahia, Ruahine Range, 1 flying above upper track on 10/12 (GPG, RG). Palmerston North city centre, 1 chasing feral pigeons on 10/6 (IS). [HB] Napier-Taupo RD, 1 found dead on road near Titiokura summit on 8/3 (KVT). Kaweka Range, near headwaters of Ngaruroro R, 1 seen on 30/4 attacking a small bird for 30 seconds, but both birds disappeared before the outcome of the attack was determined (TAS). Makaroro R, Central Ruahines, 1 near upper reaches of river on 21/5 (JRB). Twyford, Hastings, single birds seen over orchard on 10/7 and 17/7; the second bird had an inside primary missing (JWi). Bridge Pa, Hastings, seen occasionally over golf course (FET). Havelock North, 1 seen at DSIR orchard on 26/5/88 and 3/6/88; not previously recorded at this location (NL). [Wr] Ngawi, 1 caught and killed a finch on 18/9 (DMS). Greytown, while mist-netting passerines on 30/6, a Falcon bounced out of a net three times before finally escaping (DMS).

#### NANKEEN KESTREL *F. cenchroides*

[HB] Te Mata Peak, Havelock North, 1 bird has been in valley on Havelock side of peak for about 2-3 years. On 2/3 it flew to a lone pine near the summit. The presence of abundant droppings suggested this was a favourite roost. The Kestrel was joined by a second bird, possibly a second Kestrel (BMT).

#### RED-LEGGED PARTRIDGE *Alectoris rufa*

[A] Taporu, Kaipara H., 1 seen on 22/12, local residents report small flocks (MJT). [SA] Miranda, 2 (1 banded) on 2/10 (DJA, PJA); banded birds were released at Mangatarata by the Acclimatisation Society (AJG). [Wg] Kaitoke Blockhouse, Wanganui, 6 on 20/8, released by Acclimatisation Society, (GR). [HB] Clifton, 2 on 24/11 (KVT). First released in region c.4

years ago by Acclimatisation Society, near Waipatiki, Poraite, Waipawa R, and Herbertville; now breeding at Poraite (MTC).

#### CHUKOR A. *chukar*

[HB] Reports from Acclimatisation Society state that since first releases in early '70s, after which populations declined drastically, the birds are now reappearing. They are present at Herbertville and Waipawa River. Reputedly cable of hybridization with Red-legged Partridges, with characters of the latter dominant (MTC).

#### BROWN QUAIL *Synoicus ypsilophorus*

[FN] Aupouri dune lakes: L Heather, 6 on 28/1 (MH). Mangamuka rest area, 2 on 10/10 (BHS). [N] Ngaiotonga Walkway, near Whangaruru H, 11 on 4/8 (ASR). Tangiteroria, 1 pair on 25/6 (PA). [SA] Clevedon, 8 in Aug (AJC). FoT census, 4 at Waitakaruru on 25/6 (PFB et al.). [Wk] L Ngaroto, 4 on 20/8 (RWD et al.). [BP] Kaituna Cut, Maketu, 4 on 30/10, 3 on 26/11 (PCL).

#### CALIFORNIA QUAIL *Lophortyx californica*

[A] One Tree Hill, 15+ roosting at nightfall in totara and rimu in crater on 30/3 (DGB). [SA] Clevedon village, pair visiting garden on 6/10 (J. Hodge to AJG). Snake Gully, Kawakawa Bay, 8 on 18/9; Coromandel coastal survey, found to be widespread on the peninsula on 12-13/11 (AJG, OSNZ group). [BP] Kaituna Cut, Maketu, 1 pair on 19/11; Otamarakau, heard calling on hillside behind beach on 30/10 (PCL). [VP] The Pinnacles forest, above Mangorewa Gorge, a covey of c.30 on 10/7, 1 pair on 24/9 (PCL). [Wg] Wanganui Gun Club RD, 15 on 9/7 (CCO, RS, GR). [M] Foxton B, heard on 15/1 and 25/4 (JLM, MM). [HB] Clifton, 100+ pm 24/6, sheltering under roadside lucerne tree. When disturbed, rushed to adjacent paddock where asparagus had just been felled (probably their previous cover) (BMT). Numerous at Poraite (near Napier) and present in cropping land around Hastings (MTC).

#### PHEASANT *Phasianus colchicus*

[Wk] Hamilton, w cocks fighting between main highway and Hamilton Gardens, while a third looked on, on 16/7; Several sightings within city boundary, particularly June and July (DJR). [BP] Papamoa, very common in coastal dunes throughout the year (PCL). [M] Foxton B, heard on 2/1 and 29/1. 1 seen in May (in garden) (JLM, MM). [HB] Present in small numbers in scrub bordering most rivers. Also at Te Mata Peak, near Havelock North (MTC).

#### PEAFOWL *Pavo cristatus*

[Wg] Paraparas, regularly at Aberfeldy, 34 on 22/5 (PFB).

#### BANDED RAIL *Rallus philippensis*

[FN] Paua, a pair with young in Dec'87 and a separate pair with young in Jan '88 (B. Nilsson per RJP). [A] Pakiri R, 1 seen about 500 m inland from beach on 1/11 (JED). Puhoi E (Wenderholm Regional Park), many sightings in different parts of the estuary Oct 88-June 89. Conspicuous on Wenderholm lawns in late autumn-winter 89. One run-over on Wenderholm Rd in June (RJP). Waiwera Inlet, heard on 2/12 (CJ). [SA] Wairoa R, Clevedon, regularly seen during 88/89, eg. 2 on 7/8 and 7/1 (TRH, AJG). Waikawau B, reported in good numbers by Wayne Todd during Coromandel

coastal survey, 12- 13/11 (AJG). Opoutere, pair with 3 chicks on 29/11 (HMS). [Wk] Raglan Settlement ponds, 1 or 2 seen May-Aug (RSL). Kawhia, picnic area by bridge, 3-4 in saltmarsh on 24/3 (HGS, AMS). [BP] Tauranga H: Matapihi, 1 on 26/6 (GGB, LJB); Te Maunga, a half grown young bird on 25/2 (KS). Maketu E, 2 feeding out on mudflats on 11/9, 1 on 26/11 (RSC, GIH, CJ, PCL). Wainui RD, Ohiwa H, 1 on 2/2 (WMH). [G/W] Mahia B, 2 adults with chick in wetland on 16/2 (GJE).

#### NORTH ISLAND WEKA *Gallirallus australis greyi*

[N] Whangamumu Walkway, 1 seen, 2 heard on 5/8 (ASR). [G/W] Waikohu R, near Matawai, 6+ on 21/11 (KOW).

#### SPOTLESS CRAKE *Porzana tabuensis*

[A] Taporā, Kaipara H, present on 9-11/12 (MJT). Waiheke I: Ostend and Man O'War Bay, birds heard in raupo swamps on 4/12 (JVD); Te Matuku Bay, responded to tapes on 15/10 (OSNZ group). [BP] L Aniwhenua, 1 on 12/3 came out of the reeds to investigate playing of tape recorded call (RMW). [Wg] L Moumahaki, Waverley, 2 on 22/1 (CCO). [M] Foxton No.1 L, 2 on 29/1 and 9/4, (JLM, MM).

#### PUKEKO *Porphyrio p. melanotus*

[FN] Aupouri dune lakes: L Heather, 2 on 28/1 (MH). [SA] Island Block Rd, Whangamarino, 210 in 5 discrete groups spread over 500 m on 18/5 (AJT et al.). [Wk] Hamilton L, 10 on 21/11 and 18/2, 11 on 30/4 (OSNZ census). [BP] Awaiti wetlands, Tarawera R, 50+ feeding in paddocks on 27/5 (RMW). [M] Whirikino, near Foxton, breeding, pair + 2 chicks on 12/11 (JLM, MM). [HB] Ahuriri/Westshore, 44 on 9/7, 4 on 6/11 (an unusually small number), 24 on 17/6 (OSNZ census). Meeanee Swamp, 2 on 9/9, the first reported here since drought 2 years ago (TAS). Anderson Park, Taradale, adult on 4/11 called 2 chicks from reeds and gave them bread after first wetting it (LW, KMW).

#### TAKAHE *Notornis mantelli*

[W] Mana I, 7 on 18/2 including 1 chick hatched mid-Nov (AJB).

#### AUSTRALIAN COOT *Fulica atra*

[FN] Aupouri dune lakes: L Heather, 2 on 28/1 (MH). [A] Western Springs lakes, Auckland, 50 on 29/5/88, 48 on 29/6/88, 49 on 29/7, 44 in late Jan (VJL, MN), 34 adults plus 2 dependant chicks on 5/5 (GAT, SLT). [Wk] Hamilton L, 1 juv on 1/7 (ASR, JMR), 88 adults, 8 juvs on 21/11, 48 on 18/2, 57 on 30/4 (OSNZ census). [BP] Matata, 1 on lagoon on 17/5, first seen here (WMH). [VP] L Rotowhero, near Waiotapu, 3 pairs (SC). [G/W] L Whakamarino, near Tuai, 25 on 17/10 (KOW). [T] Waitara, 1 on lake at Mamaku RD on 21/1 and 6/2; Barrett Lag, New Plymouth, 3 on 1/4 (DGM). [Wg] L Westmere, Wanganui, 17 on 18/7/87; L Virginia, Wanganui, 105 on 4/9 (PFB), 6 pairs nesting on 25/9 (CCO). [HB] L Tutira, birds still present (MTC). Horseshoe L, 32 on 7/8 (OSNZ group).

## SOUTH ISLAND PIED OYSTERCATCHER

*Haematopus ostralegus finschi*

[FN] Kerikeri Inlet, 3 on 5/11 (GNG). [N] Pataua, 70 on 27/1; Port Whangarei, present throughout year, 52 on 22/10, 200 on 24/12, max 400 on 9/1 and 8/2, low counts April-May, increasing to 300 on 5/6; Skull Creek, 400 on 3/7; Ruakaka E, 70 on 18/12, 14 on 5/2, 30 on 26/3; Bream Bay, 20 on 27/8 (GNG). Waipu E, 3 from 31/12 to 3/1 (MT, TR). Kaipara H: Burgess I, 3000 on 3/7; Mooney RD, near Pahi, 1 on 26/11; Tinopai, 120 on 3/7 (GNG); Kelly's Bay, 1000 on 20/1; Okaro Creek, near Pouto, 2000 on 12/1 (GRP). [A] Mangawhai E, 235 on 9/7 (MJT *et al.*), 69 on 24/12 (CHO), 240 on 14/6 (GAT *et al.*). Omaha E, 218 on 30/6 (RJP). Waiwera E, 238 on 28/6 (AJT, GAT). Orewa E, 13 on 22/12 (MJT, GJA), 30 on 26/6 (GAT, AJT). Weiti E, (Wade R), c.275 on 4/2 (MT), 640 on 25/2 (MJT), 433 on 7/6 (JED, NR). Kaipara H: South Head, 434 on 21/6 (GAT, AJT); Taporā, 2320 on 21/6 (RJP *et al.*); Kakanui Pt, 1780 on 29/6 (RJP, AJT, GAT); Jordans, 800 on 25/9, 700 on 26/10 (ACR, SJD) and 18/2, 3836 on 21/6 (PFB, CJ, SD); Parakaitahi, 2536 on 21/6 (PFB, SD, GAT, AJT). Pollen I, Waitemata H, 800 on 30/1 (CJ), c.850 on 12/4, 560 on 25/6 (GAT, AJT). Shoal Bay, 201 on 27/6 (NR, GAP, SM, MG). Tamaki E, 500-600 on 3/2 (MJT, GJA), 780 on 24/6 (MJT). Whitford E, 120 on 14/12 (HA, SA), 1 largely white about head and neck on 18/4 (AJT, TG, GAT), c.2000 on 29/6 (KB, HA). Ambury Park, Mangere, 1 near albino on 19/7 (RBS *et al.*), 1 partial albino on 31/5, similar to Whitford bird (AJT, AC, PFB, DJO). Mangere SP, 1200 on 20/11 (MJT), 4550 on 14/1 (SD, CJ). 8750 on 19/2 (CJ, PFB). [SA] Manukau H census, summer 2432, winter 22147 (AJG, OSNZ group). Karaka, 7855 on 7/6 (PFB, AC, PS). Wairoa E, Clevedon, 692 on 18/7, including a partial albino (mottled throughout, darker on breast and primaries), 610 on 5/8, 9 on 15/10, 297 on 3/1 (AJG). FoT census, summer 1216, winter 17657; Coromandel coastal survey, 381 on 12-13/11 (AJG, OSNZ group). Colville Bay, 258 on 6/4; Matarangi Spit (Whangapoua H), 122 on 5/4; Coromandel H, near Preece Pt, c.410 roosting at high tide on 6/4 (GAT, SLT); 300 in May (AVP, JVP). Waikawau (FoT), 3 at river mouth on 8/4; Te Mata to Thames (FoT), increasing numbers southwards on reefs, mudflats and rocky river mouths, 1500+ counted on this coast north of Waihou R on 8/4 (GAT, SLT). [Wk] Morrinsville RD, 20 km north of Hamilton, 6 on 19/10 (PCC). Aotea H, 117 on 26/11, 286 on 25/6; Kawhia H, 613 on 26/11, 2370 on 25/6 (OSNZ census). [BP] Tauranga H: Bowentown Shellbanks, 6 on 12/11, 360 on 27/6 (BC); Matakana I, 12 on 23/7 (ASR); Sulphur Pt, 60 on 17/7 (RSC, CJ), 24 on 28/1 (BC), 34 on 8/4 (PCL); Aerodrome Bay, 45 on 26/6 (GGB, LJB). Little Waihi E, 4 on 11/9 (RSC, CJ). Ohiwa H, 128 on 4/7, 13 on 9/11 (WMH), 94 on 29/4 (WHS). [T] Mokau E, 25 on 2/5; Mohakatino E, 1 on 2/5 (GAT, C). New Plymouth, a flock of 20 birds seen flying in line 150 m asl and 300 m offshore, heading north up the coast (on migration), on 24/1 (GAT). [Wg] Wanganui E, small numbers on passage, we on 28/1/88, 19 on 3/12, 25 on 15/12 (PFB), 28 on 19/2, 15 on 24/5 (OCT) [M] Manawatu E, max 65 on 21/2 (24 on beach on 25/2) (JLM, MM). Hokio B, 25 on 24/6 (HAR).

[HB] Ahuriri E, 19 on 9/7, 16 on 17/6; Porangahau E, 1 on 9/7 (OSNZ census), 7 on 20/8 (HAR, BDH), 1 on 23/11 (OSNZ census), 2 on 11/3 (HAR), none on 17/6 (OSNZ census). Aramoana-Pourere, 1 on 24/1 (TAS). [Wr] Turanganui R, near Pirinoa, 1 bird sitting on 3 eggs on 2/9. Unfortunately, washed out by a flood before they hatched (DMS). L Wairarapa, max 37 on 23/5 (BDH, HAR)

VARIABLE OYSTERCATCHER *H. unicolor*

[FN] The Bluff, 90 Mile B, 10 on 11/10 (BHS). Karikari Bay, 9 pairs on 23/10 (RJP). Kerikeri Inlet, 9 on 5/11 (GNG). [N] Bland Bay, 4 on 28/2 (BHS). Whangaruru H: Camp Bay, 2 black phase on 18/2 (JBW, MR); Puriri Bay, 2 on 27/2 (BHS). Whananaki Sandspit, 5 on 3/7 (JBW, MR). Matapouri Bay, 2 on 20/11 (GNG). Ngunguru E, 37 on 9/10, some giving mating displays (BHS). Pataua, 2 on 27/1; Port Whangarei, 1 on 11/12; Skull Creek, 3 on 3/7 (GNG). Ruakaka E, 10 pairs in 88/89 summer, hatched and reared 11 chicks (GRP); 60 on 18/9 and 5/2, 200 on 11/3, 160 on 26/3; Bream Bay, 5 on 27/8 (GNG). Waipu E, 36 pairs hatched and raised 26 chicks in 88/89 summer (GRP); 95 from 31/12 to 3/1 (MT, TR), 73 on 18/3 (PFB *et al.*). Burgess I, Kaipara H, 2 on 3/7 (GNG). [A] Mangawhai E, 105 on 9/7 (MJT *et al.*), 57 + 16 chicks on 24/12 (CHO), 103 on 14/6 (GAT *et al.*). Pakiri B, 18 on 11/4 (GAT, AJT), 21 on 14/6 (PS, TG). Leigh, 2 + 2 imms on 13/1 (MJT). Omaha E, 15 on 30/6 (RJP). South Kaipara Head, 16 on 21/6 (GAT, AJT). Jordans, Kaipara H, 3 on 25/9 but none on 26/10 (ACR, SJD), 3 on 2/6 (PFB, AC). Beehive I, 8 birds (1 nest with 2 eggs) on 15/10; Ruakoura I (near Mayne Is), pair nesting (3 eggs) on 15/10; Mayne I, 2 on 15/10; Rocky I, (by Moturekareka I), pair nesting (3 eggs) (GAT, AJT). Te Muri E, near Mahurangi West, pair + 2 flying young in Jan (RJP). Waiwera E, 12 on 25/2 (MJT), 7 on 28/6 (AJT, GAT). Tiritiri I, pair near wharf raised 1 chick in Jan (RW). Wade E, 2 pairs nesting on 30/10 (JED), 2 pairs + 2 chicks on 12/12 (MT), 12 (including 2 pairs + 3 juvs) on 25/2 (MJT). Tamaki E, 13 on 3/2 (MJT, GJA), 6 on 24/6 (MJT). Whitford E, pair + chick on 14/12 (HA, SA). Waiheke I, 28 in 4 bays, 1 nest found on 15-16/10 (OSNZ group). Frenchmans Cap, near Pakatoa I, 2 pairs and 1 nest (3 eggs) on 29/10; Scully Reef, 1 nest with 1 egg on 29/10 (AJT, GAT). Whatipu B, 5 on 13/3, 1 on 11/5 (GAT, AJT, TG). [SA] Manukau H, no reports for the year (AJG). Wairoa E, Clevedon, 2 pairs present but another 7 birds at Kawakawa Bay on 3/1 (AJG). Miranda, 5 on 17/7 (BC), absent between 26/12 and 25/6 (AJG). Port Jackson, 3 on 6/4; Port Charles, 7 on 7/4; Waikawau Bay (north-east Coromandel), 5 on 7/4; Colville Bay, 41 on 6/4; Kennedy Bay, 20 on 8/4 (including 4 birds with SIPO appearance but same size as VOC's) (GAT, SLT). Whangapoua H, 53 on 1/1 (DMW). Matarangi Spit, 3 on 5/4; Otama B, 2 on 5/4; Opito Bay, 8 on 5/4; Coromandel H, near township dump, 25 on 8/4; Whitianga H, 23 on 5/4; Te Mata (FoT), 2 on 8/4; Tairua H, 27 on 5/4; Tararu (FoT), 4 on 8/4; Opoutere, Coromandel Pen, 64 + on 19/2, 80 on 5/4; Onemana B, 4 on 19/2; Whangamata H, 7 on 4/4 (GAT, SLT). [Wk] Aotea H, 3 on 26/11, 6 on 25/6; Kawhia H, 5 on 26/11, 3 on 25/6 (OSNZ census). Taharoa B, 11 + 2 chicks on 29/12 (SPC). [BP] Tauranga H: Bowentown B, pair on 29/11; Bowentown Shellbanks, 34 on 12/11, 49 on 27/6; Matakana I, west end, 7 pairs on 4/12 (BC); Matakana I, east end, 24 on 10/5/88 (KOW), 44 (3 were juvs) on 29/1 (BC, PCL), 25 on 27/5 (BHS);

Panepane Pt, Matakana I, 4 pairs on 23/7 (ASR), 8 pairs and 3 on 12/11 (RCM); Sulphur Pt, 4 on 17/7 (RSC, CJ), 12 on 12/11 (AM, RSC, GIH), 14 on 28/1 (PCL), 2 on 24/4 (BDH), 8 on 22/5 (AM); Stoney Pt, Mt Maunganui, 17 on 11/10, 5 on 14/11 (PCL), 16 on 27/5 (BHS); Tauranga H bridge, pair on 24/4 (BDH, AM); Aerodrome Bay, Mt Maunganui, pair on 12/11 (GGB). Kaituna Cut/Maketu Spit, 24 + 1 recently shot dead on 19/11 (PCL). Maketu E, 10 on 11/9, 14 on 30/10, 9 on 26/11, 21 on 22/4, 33 on 7/5 (PCL, NAS). Newdicks B, near Little Waihi, 7 on 20/1 (CS). Little Waihi E, 43 on 11/9, 74 on 1/10 (PCL), 40 on 26/11, 64 on 27/3 (RSC, CJ, PCL, KS, NAS), 61 on 7/5 (BC). Pukehina Spit, 3 adults + 1 downy chick on 21/1; Otamarakau, 2 pairs on 20/8, 3 pairs on 30/10, 2 pairs on 23/4; Hauone-Herepuru, 2 pairs on 30/10 (PCL). Tarawera R mouth, pair on 3/7 and 25/2, 1 bird only on 23/4 (PCL, RMW). Rangitaiki R mouth, 4 on 3/7, pair on 20/8, 3 on 11/9, 7 on 27/11 (RSC, CJ, PCL), 8 on 14/6, 14 on 30/6 (WMH). Whakatane E, 2 on 13/10 (KOW). Maraetotara Stream mouth, Ohope, 10 on 27/11 (PCL). Port Ohope Spit, 8 pairs on 3/7 (CJ, PCL), 16 on 12/11, 44 in May (WMH). Ohiwa, 13 on 4/7, 4 on 27/11, 36 on 7/4 (WMH, WHS). Waiotahi E, 7 on 3/7, 6 on 27/11 and 29/4; Waioeka E, 6 on 3/7, 4 on 27/11, 6 on 29/4 (WHS). Waiau E, 9 on 3/7, 4 on 30/10, 6 on 22/11, 9 on 29/4 (WMH, WHS). Motu R mouth, 2 on 22/11 (WHS). Oruaiti B, near Waihou Bay, 6 (all black phase) on 18/4/87 (GAT). Whangaparaoa B, 4 on 18/4/87 (GAT), 6 on 9/11 (WMH). [G/W] Hicks Bay, 2 (black phase) on 19/4/87 (GAT). Te Araroa, west end of beach, 1 on 15/10 (RJP). [T] Mokau E, 3 on 9/4 (OSNZ group), 6 on 2/5 including 4 black, 1 partly pied and 1 juv (GAT, CW). Mohakatino E, 5 on 24/3 (OSNZ group). Tongaporutu E, 3 on 11/10 (OSNZ group), 2 adults plus 2 juvs on 2/5 (GAT, CW). Mimi R, 2 on 14/8; Pungaereere Stream, Rahotu, 3 on 13/3 (OSNZ group). [Wg] Waitotara R, 3 on 13/11 (OSNZ group). Wanganui E, 2 smudgy on 24/10/87, 1 black occasionally between 4/3/88 and 4/12 (PFB). [M] Manawatu E, max 8 on 19/2 and 29/3 (JLM, RG, RS, PS). Ohau E, 50 on 24/6 (HAR). [HB] Ahuriri E, 2 on 9/7 and 17/6; Waitangi, 2 on 9/7; Porangahau E, 6 on 23/7 (OSNZ census), 10 on 20/8 (HAR, BDH), 6 on 13/11 (OSNZ census), max 13 on 12/3 on south spit, Porangahau B (HAR), 4 on 17/6 (OSNZ census). [Wr] L Wairarapa, max 25 on 9/7 (BDH, HAR), pair with 3 non-flying young at Willow I, 26/11 (HAR). [W] Wellington H, near Petone, max 4 on 3/2 (JLM, MM).

#### SPUR-WINGED PLOVER *Vanellus miles novaehollandiae*

[FN] Te Paki Farm Park, 5 on 17/5 (Cmm, CAF). Tom's Landing, Parengarenga H, 5 on 17/5 (CMM, CAF). Paua, 1 pair in paddocks on 13/10 (BHS). North Ranganui Bay, 4 on 17/5 (CMM, CAF). Karikari B motorcamp, birds heard calling at night on 3/4/88 (GAT). Kumi and Unahi RDs, frequently seen in flight, 14 noted on one occasion (MH). Aupouri dune lakes: L Rotorua, 6 on 28/1 (MH). Kawakawa, 2 on 24/3 (GNG). [N] Port Whangarei, 2 on 6/5 (GNG). Waipu E, 3 from 31/12 to 3/1 (MT, TR). Millbrook RD, Waipu, 7 on 5/11 (AHG). Kaipara H: Burgess I, 12 on 3/7 (GNG). [A] Okiwi Station, Great Barrier I, 2 on 4/9 (GNG); Jordans, 20 on 12/4 (PFB, CJ); Parakai, 8 on 5/9 (GNG), 44 on 21/6 (PFB, SD). Dairy Flat, 1 on 21/12 (MG). Waiheke I, 2 at Awaawaroa, 4 at Owitu on 15-16/10, first records for island (OSNZ group). Ponui I, 11 in flock near homestead

on 27- 31/12 (RJC). Henderson Valley, 4 on 25/12 (ACR). Waitarua Res, Remuera, 1 on 4/10 (GJA) and 7/6 (KH). Whitford E, 12 on 29/6 (KB, HA). [SA] Still increasing in region. Maioro, 20 feeding on beach in close flock among seaweed and driftwood on 18/6 (OSNZ group). Wairamarama, nest with four eggs on 10/9 (DMW). Mataitai, Clevedon, 30 on 11/7; Clevedon, early nest with 4 eggs on 9/6 did not hatch, eventually abandoned (W. Renouf). Tapapakanga, Orere, 21 on 17/5 (JLP). Miranda, 37 on 28/5 (BJB, AJG). Port Charles, 8 on mudflats on 7/4 (GAT, SLT). Papaaroa, Coromandel, 1 on 24/7; 2 adults and 3 imms on 24/12; Carey's Bay, Coromandel, 1 on 24/12 (CMM). Whangapoua H, 34 feeding in hay paddock day after cutting on 9/2 (E. Pratt). Matarangi Spit, heard calling at night on 5/4; Opoutere, heard calling at night on 4/4 (GAT, SLT). [Wk] Continuing to increase in the Waikato, now frequently seen around Hamilton, eg. 42 on Innes Common on 21/6 (ASR, JMR). Kawhia H, 23 on 25/6 (OSNZ census). [BP] Tuapiro, near Katikati, pair with 4 eggs on 17/7 (BC, PCL). Katikati, 5 on 17/7; Kairua, near Mt Maunganui, 6 on 11/10; Papamoa, pair with chicks on 20/7, 2 seen, others heard on 11/9, 4 on 12/3 (PCL). Kaituna Cut, Maketu, 4 on 11/9, 2 on 24/9 and 30/10, c.30 on 27/3, 5 on 22/4 (RSC, CJ, PCL, DDM), 2 on 7/5 and 10/5 (KLB). Roydon Downs, near Te Puke, 2 on 17/3 (JC). Rangioru, in AFFCO meatworks grounds, 1 on 11/9; Matata-Tarawera R mouth, 2 on 3/7; 2 seen, others heard on 25/2 (PCL). Matata-Awaiti, 7 on 10/5 (KLB). Rangitaiki R mouth, 2 on 3/7, 3 on 11/9 (RSC, CJ, PCL). Waiotahi E, 2 on 29/4; Kukumoa, Opotiki, 6 on 27/11, 4 on 29/4; Otara, Opotiki, c.60 on 3/7; Waiau E, 3 on 3/7, 5 on 22/11; Motu R mouth, 5 on 22/11 (WHS). [G/W] Te Araroa, 4 on 15/10 (RJP). [T] Mohakatino R mouth, 1 on 2/5 (GAT, CW). North Taranaki, significant increase in numbers during past 2-3 years, now widely and frequently recorded (DGM). [Wg] L Mangawhio track, Waitotara, 4 on 29/5 (GR). Waitotara E, 22 on 7/7; Wanganui airport, 17 on 3/7/87 (PFB). Wanganui R, 18 on 8/1, max 39 on 17/6 (OCT). Whangaeu, 30 on 7/1; Turakina E, 12 on 14/1 (PFB). [M] Manawatu E, max 23 on 23/7 and 17/6; Whirikino, near Foxton, max 44 on 22/10; Foxton No.1 L, max 24 on 23/4; Moutoa basin, max c.145 plus pair with 3 juvs on 9/10 (JLM, MM). L Horowhenua, 50+ on 30/6 (DS, MS). [HB] Ahuriri-Westshore, 22 on 9/7, 11 on 6/11, 46 on 17/6 (OSNZ census). Napier, 31 in single flock flying over city on 17/6; Meeanee, 87 on 18/6, these reflect the big build up of numbers around Napier in recent years (MPT, PWT). Birds now frequently seen over urban areas by day and heard at night (MTC). L Poukawa, c.140 in paddocks on 10/7 (KVT). Blackhead-Porangahau, 12 on 20/8 (HAR, BDH). [Wr] L Wairarapa, max 284 on 26/11 (BDH, HAR). [W] Te Horo B, 15 on 28/3 (AJT). Pauatahanui Lag, max 60 on 18/6 (JLM, MM).

#### GREY PLOVER *Phuvalis squatarola*

[SA] Miranda, Access Bay, 1 on 3/12 (GJA), 23/12 (CMM) and 15/1 (3RC, AVS, AJG, AJT, GJE).

LEAST GOLDEN PLOVER *P. fulva*

[FN] Karikari Bay, 2 on 18/12 (RJP). [N] Port Whangarei, 5 on 9/1; Takahiwai, max 30 on 12/2 (GNG). [A] Jordans, Kaipara H, 6 on 25/9, 40 on 26/10, 90 on 27/12 (SJD, ACR), 68 on 27/2 (VJL), 32 on 11/3 (CJ), 1 in breeding plumage on 13/5 (RJP) and 2/6 (PFB, AC). Pollen I, Waitemata H, 3 on 28/1 (CJ). [SA] Karaka, 7 on 24/9 still retaining some black on underparts; Manukau H census, summer 64, winter 1; FoT census, summer 6, winter 5 (AJG, OSNZ group). Mataitai, Clevedon, 7 on 3/1 (AJG), still present on 13/4 (GJE, AJT). [BP] Sulphur Pt, Tauranga H, 9 on 30/10 and 12/11 (AM, RSC, GIH, BHS), 11 on 18/11 (BDH). Maketu E, 32 on 30/10, 40 on 26/11 (PCL, NAS), 42 on 9/2 (RJP), 43 on 27/3 (most well into breeding dress) (PCL, NAS). Little Waihi, c.30 on 9/2 (many if not all of these could have been Maketu birds) (RJP). Port Ohope Spit, 14 on 27/11 and 27/1 (WMH, PCL), 15 on 9/2 (WMH, RJP), 16 (2 in full breeding plumage) on 27/3 (GAT, SLT). [M] Manawatu E, 3 on 22/10, 32 on 27/12 and 20/2, 28 on 23/3, max 33 on 27/3 (JLM, MM, SEC). [HB] Ahuriri E, 25 on 6/11 (OSNZ census). Southern Marsh, Westshore, c.30 (many in complete breeding plumage) first seen on 16/10 (MPT, PWT), 34 + in fields with sheep on 19/3 (KVT). Waitangi, 1 on 6/11 (OSNZ census). [Wr] L Wairarapa, max 13 on 26/11, much lower than usual (BDH, HAR).

NEW ZEALAND DOTTEREL *Charadrius obscurus*

[FN] Karikari Bay, c.25 on 23/10, nests of 1 egg and 3 eggs (RJP). [N] Bland Bay, 6 on 28/2, possibly pair + 2 juvs at east end of beach (BHS). Mimiwhangata, Kupe B, 1 on 2/4/88 (GAT), 4 on 23/2 (BHS). Whananaki Sandspit, 4 on 3/7 (JBW, MR) and 20/11 (GNG). Pataua, 10 on 31/7 (JBW, MR), 2 on 27/1 (GNG). Port Whangarei, present in small numbers from Oct-April, max 8 on 24/12 (GNG). Onerahi Airport, 12 on 10/8 (PA). Takahiwai, 2 on 12/2; Skull Creek, 2 on 3/7 (GNG). Ruakaka E, 6 pairs fledged 5 chicks in 88/89 summer (GRP); 14 on 18/9, 30 on 18/12, 5 on 5/2, 6 on 11/3, 1 on 26/3; Bream Bay, 8 on 27/8 (GNG). Waipu E, 21 pairs fledged 16 chicks in 88/89 summer (GRP). [A] Mangawhai E, 25 on 9/7 (MJT et al.), 22 on 4/11 (JED, SPC), 23 + 4 chicks on 24/12 (CHo), 23 on 30/6 (RJP). Pakiri B, 12 on 1/11 including a 3 egg nest (JED), 20 + 3 chicks on 23/11 (NR), 8 on 11/4, in pairs (GAT, AJT), 16 on 14/6 (PS, TG). Omaha E, 48 on 22/2 (JED, SPC, NR, MJT), 51 (26 banded) on 26/3 (SPC). Kaipara H: Tapora, 17 on 10/12 (MJT, CJ, BG, KG, SPC), 32 on 21/6 (DGB, RJP et al.); South Head, 15 on 10/12 (CHo), 4 on 21/6 (GAT, AJT); Jordans, 2 on 25/9, 3 on 27/12 and 22/2 (ACR), 2 on 12/4, 7 on 21/6 (PFB, CJ, SD); Mairatahi, 3 on 18/12 (MJT); Island off Shelley B, 2 on 14/12 (CHo). Muriwai B, pairs at 1 mile and 12 mile on 11/6 (MJT, CJ). Beehive I, 2 nesting pairs (3 eggs and 2 eggs) on 15/10 (GAT, AJT). Weiti E (Wade R), 4 pairs nesting (3 egg nest and 5 chicks) on 30/10 (JED), 4 pairs + 2 juvs on 25/2 (MJT), 9 on 7/6 (JED, NR?). Waiheke I, 16 in 3 bays, 3 nests and 1 chick seen on 15-16/10 (OSNZ group). Frenchmans Cap, near Pakatoa I, 1 nesting pair (3 eggs) on 20/10; Scully Reef, nesting pair (1 egg) on 29/10 (AJT, GAT). Ponui I, adult giving broken wing display on south-west beach in mid-Jan (RJC). Pollen I, Waitemata H, 2 + 1 chick on 12/12 (MJT), 11 on 12/4 (GAT, AJT, GJE), 9 on 25/6 (AJT, GAT). Shoal Bay,

2 on 27/6 (NR). Whitford E, 14 on 14/12 (HA), 10 on 18/4 (GAT, AJT, TG). Auckland International Airport, 17 on 3/5/88, 18 on 21/2 (RJP). Whatipu B, 8 on 13/3, 6 on 11/5; these were pairing up and performing territorial chases and flights (GAT, AJT, TG, SD). [SA] Manukau H census, summer 15, winter 21 ('Wimble' still present at Seagrove) (AJG, OSNZ group). Sunset B, Port Waikato, 3 on 9/10 (DJA, PJA). Mataitai, Clevedon, 5 including 1 fledged juv on 15/10, 37 on 14/3 (AJT, GJE), autumn flock 31 on 25/3 (AJG), 25 still present on 31/5 (PFB et al.). FoT census, summer 2, winter 5; Coromandel Pen coastal survey, 110 on 12-13/11 (AJG, OSNZ group). Colville Bay, 30 on 7/4 (GAT, SLT). Carey's Bay, Coromandel, 1 on 24/12 (CMM). Coromandel H, 16 on 21/2 (VJL) and 11/4 (AVP, JVP). Matarangi Spit, 68 on 5/4 (the largest autumn flock on Coromandel Pen) (GAT, SLT); 24 on 27/6 (E. Pratt). Tairua H, 7 on 5/4; Opoutere, Coromandel Pen, 28 + on 19/2, 22 on 5/4; Onemana B, 2 on 19/2; Whangamata H, 15 on 4/4 (GAT, SLT). [Wk] Raglan, 8 on 23/2 (KH). Aotea H, 1 on 26/11, 5 on 25/6; Kawhia H, Te Motu I, 6 on 26/11, 9 on 25/6 (OSNZ census). Taharoa B, 2 pairs on 5/10 (ASR et al.), with 2 chicks on 29/12 (SPC), in breeding plumage on 14/6 (WIR). [BP] Tauranga H: Bowentown B, a banded bird from Opoutere on 18/2, 18 on 8/4; Matakana I, west end, 11 on 4/12 (BC); Matakana I, east end, 9 on 10/5/88 (KOW); Panepane Pt, Matakana I, 10 adults + 2 chicks on 12/11 (RCM), 2 pairs still with eggs on 29/1 (BC, PCL); Sulphur Pt, 14 on 5/7 and 12/11, 22 on 28/1 (BC, RSC, GIH, CJ, PCL) and 3/4 (GAT, SLT), 30 on 8/4 (PCL), 16 on 24/4 (AM, BDH). Kaituna Cut, Maketu, 6 on 30/10; Maketu E, 8 pairs on 19/11, 30 on 27/3, 28 on 22/4 and 7/5, including one very brightly coloured male; Pukehina Spit, 3 on 27/11, 2 on 21/1 (PCL) and 7/5 (BC). Otamarakau B, 3 pairs and 1 sub-adult on 20/8, 4 pairs on 14/10, 2 birds on 23/4 (PCL, RJP). Herepuru Stream mouth, 2 pairs on 21/8 (WMH), 4 pairs on 14/10, 1 nest with 3 eggs (RJP). Tarawera R mouth, 2 on 3/7 (PCL) and 31/3, 1 on 14/6; Rangitaiki R mouth, 2 on 30/6 (WMH). Whakatane E, 2 on 13/10 (KOW). Ohope Spit, 96 in flock on 24/4/88 (GAT, JGI), 33 on 3/7 (WMH, CJ, PCL), 8 pairs and 2 chicks on 27/11 (PCL), 86 on 27/3 (GAT, SLT), 75 on 30/3 (one banded on Whale I), 38 on 22/6 (WMH). Waiotahi E, 10 on 3/7, 6 on 27/11 (WHS). Hikuwai B, Opotiki, 5 on 27/7 (WMH). Waiaua E, 10 on 3/7, 6 on 30/10, 12 on 22/11, all gone on 2/2 (WMH, WHS). Whangaparaoa B, Cape Runaway, 1 on 18/4/87 (GAT), 4 on 9/11, all gone on 5/2 (WMH). [G/W] Hicks Bay, 2 pairs on 15/10 (RJP), all gone on 19/2 (WMH). Karakatuwhero R mouth, near Te Araroa, 1 male? on 15/10 (RJP), 2 on 9/11, all gone on 19/2 (WMH). [T] Pungaere Stream, Rahotu, 1 on 11/12 and 19/2 are the first records for these parts in years (DGM, REL). [W] Waikanae E, 1 with faint red on breast on 4/10/81 (AJT). Pauatahanui Res, 1 on 9/2 (GRB).

BANDED DOTTEREL *C. bicinctus*

[FN] Parengarenga H, 1130 + on 22/4/88, 1460 + on 16-18/4; Houhora H, 158 on 18/4/88; Karikari Pen, 430 on 22/4/88; Karikari Bay, 39 on 23/10, most nesting (RJP). [N] Bland Bay, 1 on 28/2 (BHS). Pataua, 13 on 27/1; Whangarei Airport, 300 on 24/3; Port Whangarei, 4 on 5/6, 21 on 24/12; Takahiwai, 60 on 5/2, 90 on 11/3, in grassy paddocks; Skull Creek, 50 on 3/7; Ruakaka E, 8 on 18/12, 2 on 5/2, 13 on 26/3 (GNG). Waipu E, 1 from

31/12 to 3/1 (MT, TR). [A] Mangawhai E, 18 on 9/7 (MJT *et al.*), 25 on 30/6 (RJP). Omaha E, 99 on 12/9 (SPC), 110 on 30/6 (RJP). Wade E, 3 on 25/2 (MJT). Kaipara H: winter 1989 total 1200+ (RJP); Jordans, 25 on 27/12 (ACR), c.250 on 18/2, 188 on 21/6 (PFB, CJ, SD); Parakai, 106 on 21/6 (PFB, SD). Pollen I, Waitemata H, c.200 on 30/1, 25 on 19/2 (CJ, PFB), 34 on 25/6 (AJT, GAT). Tamaki E, 25 on 25/4 (PFB), 98 on 25/6 (MJT). Whatipu B, 21 adults + 3 nests on 21/12 (RJP), 64 on 13/3 (GAT, AJT, TG) and 2/5 (MG, SG). Auckland Airport, 398 on 3/5/88, 280 on 21/2 (RJP). Mangere SP, 1 flying juv on 24/10 (RJP), 1 on 26/12 and 14/1 (CJ). Whitford E, 44 on 18/4 (GAT, AJT, TG). [SA] Karaka, summer flock of 141 on 24/1 (AJG), 236 on 7/6 (PFB, AC, PS). Mataitai, Clevedon, 42 on 3/1, some still very bright; 73 on 18/5, 51 on 31/5 but only 20-30 on 9/6 (AJG). Miranda, FoT, 123 on 27/3, c.200 on 2/4 (PFB, CJ). Coromandel Pen coastal survey, 15 on 12-13/11; appears very few, if any, bred in South Auckland region (AJG, OSNZ group). Port Charles, 7 on 7/4; Waikawau Bay (north-east Coromandel), 16 on 7/4; Colville Bay, 32 on 7/4; Kennedy Bay, 10 on 8/4; Matarangi Spit, 50 (including 4 colour-banded birds) on 5/4; Coromandel H, near Preece Pt, 21 on 6/4 (GAT, SLT); 77 on 11/4 (AVP, JVP). Tairua H, 22 on 5/4; Opoutere, Coromandel Pen, 19 on 5/4; Whangamata H, 1 on 4/4 (GAT, SLT). [Wk] Aotea H, 4 on 26/11, 112 on 25/6; Kawhia H, 6 on 26/11 (OSNZ census), 2 colour-banded birds in flock of 264 on 11/3, 2 different colour-banded birds in flock of 475 on 9/5 (BHS), 543 on 25/6 of which 4 were colour banded (different to birds seen in March and May) (OSNZ census). [BP] Tauranga H: Bowentown B, pair on 29/11, 220 on 17/6 (BC); Omokoroa Golf Course, 10 on 17/7 (KLB); Sulphur Pt, 70 on 5/7, 12 on 17/7 (RSC, GIH, CJ), 4 adults on 14/10, nesting, chicks present (RJP, JGI), 20 on 12/11 (AM), 350 on 28/1 (BC, PCL), 64 on 3/4 (GAT, SLT), 5 on 8/4 (PCL); Tauranga Airport, Mt Maunganui, c.500 on 24/4 (BDH), c.600 on 21/5 (BC, RJP). Kaituna Cut, Maketu, 20 on 14/8/87 (KOW), 2 on 11/9 and 30/10 (RSC, CJ, PCL), c.70 on 7/5 (KLB). Maketu E, 25 on 27/3, 14 on 22/4, 32 on 7/5; Otamarakau B, 5 on 20/8 (PCL), 6 pairs on 14/10, nesting, chicks present (RJP, JGI). Herepuru Stream mouth, 4 on 20/8 (WMH), 6 pairs on 14/10, nesting, chicks present (RJP, JGI), 4 on 17/11 (WMH). Tarawera R mouth, 1 on 3/7 (PCL). Port Ohope Spit, 455 in flock on 24/4/88 (GAT, JGI), 676 on 3/7 (WMH, CJ, PCL), c.10 pairs on 17/10, nesting, chicks present (RJP, JGI), 280 on 9/2 (RJP), 454 on 27/3 (GAT, SLT), 475 on 22/6 (WMH). Ohiwa, 3 on 27/11 (WHS). Hawai B, 5 on 16/10, 2 pairs nesting, chicks present; Motu R mouth, 18 on 16/10, nesting, chicks present; Raukokore R, 32 on 16/10, (RJP, JGI). Whangaparaoa B, Cape Runaway, 31 on 18/4/87 (GAT), 4 on 9/11 (WMH). [G/W] Hicks Bay, c.10 pairs on 15/10, nesting, chicks present; 19 birds on 19/2 (RJP, JGI). Karakatuwhero R, Te Araroa, c.25 on 15/10, nesting chicks present; 20 birds on 19/2 (RJP, JGI, WMH). Waipapa Stream B, East Cape, 2 pairs breeding on 10/11/87 (KOW). Waiapu E, 18 on 28/3 (WMH). [T] New Plymouth airport, 38 on grass and tarmac by terminal building on 30/4 (GAT, CW). [Wg] Rangipo Desert, 87 adults and 17 juvs on 15-16/1, mostly flocking, but some birds still with nests or chicks (RJP). Wanganui E, 31 on 13/2, 48 on 17/6 (OCT, GR). Turakina E, few in summer, 75 on 10/3/88,

40 on 16/5/88, 25 on 25/6/88 (PFB), 30 on 10/5, 20 on 20/5 (OCT). [M] Manawatu E, max 105 on 11/3, not recorded Aug-Nov (JLM, MM). [HB] Ahuriri E, 10 on 9/7 (OSNZ census). Southern Marsh, Westshore, 50+ in field amongst Golden Plover on 12/3 (OSNZ group). Waitangi. 33 on 9/7 (OSNZ census), 1 pair chasing and harrasing an overhead Black-backed Gull on 10/9 (KVT), 9 on 6/11, 11 on 17/6 (OSNZ census). East Clive-Tukituki, c.5 pairs on 10/9 (BS), 14 on 6/11 (OSNZ census), 16 adults plus juvs on 4/2, c.50 on 22/3 and 8/4 (KVT, MPT, PWT), 9 on 17/6 (OSNZ census). Blackhead-Porangahau, 31 on 20/8 (pair on egg) (HAR, BDH), 158 on 11/3 (HAR). No birds seen on riverbeds from March onwards (MPT, PWT). [Wr] L Wairarapa, max 458 on 23/5 (BDH, HAR). [W] Waikanae E, at least 3 nests fledged 2-4 young from Oct-Feb (BAT, JL, AJT, MAF). Pauatahanui Lag, 6 on 18/6 (JLM, MM).

#### MONGOLIAN DOTTEREL *C. mongolus*

[SA] Miranda, 1 on 12/1 (DS, MS). [BP] Maketu E, 1 on 22/4, in non-breeding dress (BDH, PCL), still present on 7/5 (PCL).

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

[A] South Kaipara Head, 2 on 10/12 (CHo). Mangere SP, 1 on 24/9 (VJL). [SA] Kawakawa Bay, 1 on 5/3 (TG).

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

[FN] Te Werahi B, Te Paki, 2 on 22/6 (GRP, WM, DM, LF, GS). [BP] Matata, 2 on 22/6 (BC). [Wg] Hawkins Lag, Waitotara R mouth, 2 on 10/4 (CCO). Turakina E, autumn influx, possibly from Rangitikei R, 3 on 4/7/87 and 28/11/87, 14 on 16/5/88, 26 on 25/6/88, 10 (1 juv) on 4/12, 33 (1 juv) on 10/5 (PFB), record 40+ on 13/5 (IS), 38 on 21/5 (PFB, AC, OCT). [M] Fielding SP, 50+ on 7/6 (BDH). Manawatu E, 2 on 28/5 (IS). Ohau E, 7 on 24/6 (HAR). [HB] Ahuriri E, 60 on 9/7, 3 on 17/6 (an unusually low count); Waitangi, 21 on 9/7, 2 on 6/11, 8 on 17/6 (OSNZ census). East Clive-Tukituki E, 3 pairs throughout winter '88 (MTC, JRP), 2 on 6/11 (OSNZ census). Te Awanga, 9 feeding on mudflats on 28/6 (BMT). L Hatuma, 23 in one roosting flock on 23/7 (OSNZ group). Blackhead-Porangahau E, 9 on 20/8 (BDH, HAR). [Wr] 239 birds counted in a survey of Ruamahanga R and tributaries on 29/1 (OSNZ census). L Wairarapa, winter max 175 (OSNZ census). Waingawa R on 23/1, Welcome Swallows seen harrasing BF Dotts whenever the latter began flying (TCD), similar harrassment noted at Lake Res, L Wairarapa in Jan (JD). Errata: CSN March 1984, should read "Waikanae E, 1 on 16/5/82 to 12/8/82 (AJT, CF)" not seen 1983.

#### WRYBILL *Anarhynchus frontalis*

[FN] Parengarenga H, 69 on 20/4/88, c.80 on 18/4; Houhora H, 6 on 18/4/88 (RJP). [N] Port Whangarei, 6 on 22/10, 9 on 9/1 (max during Dec-Feb), 64 on 8/4, 58 on 3/6 (max during Apr-June) (GNG, GRP). Takahiwai, 4 on 5/2; Skull Creek, 9 on 3/7; Ruakaka E, 1 from 18/9 to 26/3 (GNG). [A] Kaipara H: Taporā, 119 on 21/6 (CJ, NR *et al.*); South Head, 12 on 21/6 (AJT, GAT); Kakanui Pt, 31 on 29/6 (RJP, AJT, GAT); Jordans, 12 on 26/10 (ACR, SJD), 15 on 27/12 (ACR), 135 on 18/2, 76 on 2/6, 43 on 21/6 (PFB, AC, CJ, SD). Pollen I, Waitemata H, 21 on 25/6 (GAT, AJT). Mangere SP, 500+ on 3/7 (CB), 285 on 31/7 (DGB *et al.*), 120 on 24/9 (VJL), 18 on 20/11 (MJT), 20 on 26/12 (CJ), 120 on 14/1 (SD, CJ), 250 on 19/2

(CJ, PFB), c.600 on 11/3 (PFB), c.1000 on 10/4, c.525 on 5/5, c.770 on 5/6 (GAT). Tamaki E, 20 feeding during low tide on 7/6 (RJP). [SA] Manukau H census, summer 30, winter 1254 (AJG, MG, SG). Karaka, 295 on 7/6 (PFB, AC, PS). Miranda, lowest counts of 30-50 on 30/10 increased to 210 on 29/11, 1080 on 13/1 (3RC), and up to 3500 by 11/3 (DJA, PJA), 1950 on 2/4 (PFB, CJ). Coromandel H, 1 on 21/4 (AVP, JVP). Matarangi Spit, 2 on 5/4 (GAT, SLT), 1 on 27/6 (E. Pratt). [BP] Sulphur Pt, Tauranga H, 74 on 17/7 (RSC, CJ) and 28/1 (PCL), 41 on 3/4 (GAT, SLT), max 101 on 8/4 (PCL), 43 on 24/4 (BDH), 35 on 22/5 (AM). [T] Stony R, 1 on 19/2 and 13/3 (OSNZ group). [Wg] Wanganui E, occasional visitor on passage, 2 on 2/1 (OCT), 1 on 27/1 and 13/2; Turakina E, 2 on 10/3/88, 3 on 14/1 and 20/5 (PFB, OCT). [M] Pukepuke Lag, 2 on 22/4 (IS). Manawatu E, max 19 on 28/5 (JLM, MM). [HB] Southern Marsh, Westshore, 2 on 12/3, only occasional visitors (OSNZ group). Waitangi, 1 on 10-11/10 (KVT, MPT, PWT). Porangahau E, 40 on 23/7 (OSNZ census), 49 on 20/8 (HAR, BDH), 8 on 13/11 (OSNZ census), 28 on 11/3 (HAR), 49 on 17/6 (OSNZ census). Numbers of birds wintering appear to be increasing each year (MTC). [W] Waimeha Stream, Waikanae, 7 fed for 1 hour then flew high to sea on 4/11 (BAT). Waikanae E, 8 on 5/11 (DS), 2 on 13/11, 1 on 11/1, 3 on 12/1 (BAT).

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

[FN] Parengarenga H, Paua, 3 on 13/10 (BHS), 2 on 18/4 (RJP). [A] Taporā, Kaipara H, 2 on 22/12 (MJT). [SA] Manukau H census, summer 10, winter 1 (AJG, MG, SG). Mt Wellington, 10 flying west over motorway on 20/3 (PFB). Miranda, 4 on 26/12, 6 on 13/1, 1 on 27/3 (3RC, AJG). [M] Manawatu E, 1 from 11/11 to 29/3 (JLM, MM, MF, AJT, BAT, DS).

#### ASIATIC WHIMBREL *N. phaeopus variegatus*

[FN] Parengarenga H, 1 on 19/4/88 and 17/4 (RJP). Paua, c.30 on 13/10 (BHS). [A] Wade E, 1 on 27/2 (JED). [SA] Karaka, 5 on 10/1; FoT census, summer, 26 at Piako (AJG). [Wk] Kawhia H, Te Motu I, 2 on 25/6 (OSNZ census). Errata: CSN 1989 *Notornis* 36:211; delete first sentence.

#### WHIMBREL sp.

[A] Jordans, Kaipara H, 1 on 26/10 (ACR, SJD), 23 on 27/12 (ACR), 25 on 27/2 (VJL) and 12/4 (mostly Asiatic but 2-3 American) (PFB, CJ), 1 on 13/5 (RJP). [SA] Manukau H census, summer 2, winter 1 (AJG, OSNZ group). Dunders, Clevedon, 1 on 3/1 (AJG). FoT census, winter, 1 at Miranda (AJG, OSNZ group). [BP] Kaituna Cut, Maketu, 3 on 1/10 and 26/11, 2 on 27/3 (PCL). Ohope Spit, 5 on 27/11 and 9/4 (WMH). [M] Manawatu E, 1 on 27/1 showing features of the American race (JLM, MM).

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

[A] Ambury Farm Park, Mangere, 1 on 14/1 (CJ,SD), 1 in flight on 31/5 (PFB, AJT,AC,DJO).

#### AMERICAN BLACK-TAILED GODWIT *L. haemastica*

[N] Port Whangarei, 1 on 24/3 and 8/4, 2 on 22/4 (GNG). [HB] Porangahau E, 1 on 20/8 in paddock between Bird I and Upper I (HAR, BDH).

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

[FN] Mangonui H, 3 on 18/3; Kerikeri Inlet, 8 on 5/11 (GNG). [N] Ngunguru E, 8 from 3/10 to 14/10, 24 on 4/11 (JBW, MR). Pataua, 50 on 27/1; Port Whangarei, 300 on 8/10, max 700 on 9/1 (GNG), 220 on 8/5 (GRP), 250 on 3/6, including 1 in breeding plumage; Takahiwai, 1300 on 26/11, max 1500 on 5/2; Skull Creek, 500 on 3/7; Ruakaka E, 3 on 18/9, max 60 on 18/12, 5 on 26/3 (GNG). Waipu E, c.100 from 31/12 to 3/1 (MT, TR), 101 on 18/3 (PFB *et al.*). Burgess I, Kaipara H, 1 on 3/7 (GNG). Okaro E, Pouto, 2000 on 12/1 (GRP). [A] Mangawhai E, 70 on 9/7 (MJT *et al.*), 422 on 24/12 (CHo), 31 on 14/6 (GAT *et al.*). Omaha E, 87 on 30/6 (RJP). Kaipara H: Taporā, 700 on 21/6 (CJ, PK *et al.*); South Head, 118 on 21/6 (GAT, AJT); Kakanui Pt, 186 on 29/6 (GAT, RJP, AJT); Jordans, 1300 on 25/9, 3000 on 26/10, a small number were caught by cannon-netting on 26/10 and a further 126 were caught on 27/12 (ACR, SJD), 4500 on 27/12 (ACR), 2500 on 18/2, 500 on 12/4, 413 on 21/6 (PFB *et al.*); Parakai/ Mairerahi, 478 on 21/6 (PFB, SD *et al.*). Orewa E, 37 on 22/12 (MJT, GJA). Weiti E, 100 on 30/10 (JED), 102 on 25/2 (MJT), 12 on 7/6 (JED, NR). Waitemata H: Te Atatu, 2500 on 19/2; Pollen I, 300 on 28/1, 500 on 19/2 (CJ, PFB), 73 on 25/6 (AJT, GAT). Tamaki E, 250 + on 3/2 (MJT, GJA), 45 on 24/6 (MJT). Te Matuku Bay, Waiheke I, 210 on 15/10 (OSNZ group). Mangere SP, 1200 on 18/9 (MJT, VJL), 3190 on 14/1 (CJ, SD), c.1800 on 10/4 (GAT). Whitford E, 345 on 14/12 (HA, SA), 77 on 18/4 (GAT, AJT, TG). [SA] Manukau H census, summer 22571, winter 2465 (AJG, MG, SG). Karaka, 712 on 7/6 (PFB, AC, PS). Maitaitai, Clevedon, 900 on 3/1, and 13/4 (AJG), 33 on 31/5 (PFB *et al.*). FoT census, summer 6262, winter 1360; Coromandel Pen coastal survey, 961 on 12-13/11 (AJG, OSNZ group). Colville Bay, 21 on 6/4; Kennedy Bay, 2 on 8/4; Matarangi Spit (Whangapoua H), 65 (3 in breeding plumage) on 5/4 (GAT, SLT). Coromandel H, up to 350 on 21/2, 21 left on 7/4 (E. Pratt). Tairua H, 10 on 5/4; Opoutere, Coromandel Pen, 100 on 5/4 (1 coloured bird only, all others grey/white) (GAT, SLT). Whangamata H, 90 on 26/8 (HMS). [Wk] Aotea H, 1000 on 26/11, 15 on 25/6; Kawhia H, 3950 on 26/11, 867 on 25/6 (OSNZ census). [BP] Tauranga H: Bowentown. Shellbanks, 2000 on 12/11, 236 on 27/6 (BC); Tuapiro, near Katikati, 90 in field sheltering from easterly storm on 17/7 (BC, PCL); Matahui Pt, c.700 on 21/8 (GGB), 15 on 12/11 (PCL), 1055 on 30/6 (BC); Omokoroa Golf Course, 320 on 17/7, 300 on 31/7 (KLB); Sulphur Pt, 300 on 17/7 (RSC, CJ), c.3000 on 12/11 (RSC, GIH, AM), c.2500 on 28/1 (BC, PCL), 750 on 8/4; Papamoa, 1 flying northwest along the surf line, into a strong northerly wind on 5/2 (PCL). Kaituna Cut, Maketu, 74 on 11/9 (RSC, CJ), c.300 on 24/9, 450 on 1/10, 600 on 30/10, 1000 on 26/11, 115 on 22/4; Maketu E, near entrance, 20 on 11/9, 10 on 22/4, 76 on 7/5; Little Waihi E, 220 on 1/10 (PCL), 530 on 30/10 (KLB), 520 on 26/11 (KS), 48 on 27/3, 25 on 22/4 (PCL), 11 on 7/5 (BC). Tarawera R mouth, 13 circled the river mouth then flew on east on 25/2; Port Ohope Spit, 750 on 3/7, 4500 on 27/11 (PCL), 1667 on 27/3: 130 pale coloured birds (pover-wintering) arrived at the roost 1½ hours before the richly coloured birds in breeding plumage; these arrived just on high tide. Presumably these birds need to feed longer in preparation for migration (GAT). Ohiwa Spit, 215 on 4/7 (WMH), 500 on 27/11; Waiotahi E, 13 on 27/11; Waiaua E, 1 on 22/11 (WHS).

Whangaparaoa R mouth, 2 on 9/11/87 (KOW). [G/W] Te Araroa, 3 on 15/10 (RJP). [T] Mokau R, 5 on 22/10 (EW). Mimi R, 1 on 4/11; Urenui B, 1 on 4/11; Waitara R, 7 on 18/10; Waitara, 2 on lake at Mamaku RD on 28/1 (DGM). [Wg] Wanganui E, 100 on 26/10/87, winter '88, 20 but disappeared in July/Aug; poor summer 88/89, possibly because of silting after floods (PFB), 50+ on 23/12 flying over city (GR), 28 in Jan (PFB), 33 on 19/2 (OCT), 48 on 2/3 (GR), 38 on 26/3 (OCT), 8 on 12/5; Turakina E, 35 on 28/11/87, 22 on 4/12 (PFB). [M] Manawatu E, max 420 on 22/10, 4 on 24/6 (JLM, MM, RG). [HB] Ahuriri E, 31 on 9/7, 336 on 6/11, 33 on 17/6 (OSNZ census). Westshore, first migratory birds seen on 14/10, 100+ flying in from distance (LW, KMW), c.200 on 16/10 included imm with small tight scapular plumage and adults with quite large, loose scapular feathers (MT, PWT). Waitangi, 29 (an unusually large number overwintering) on 9/7 and 30/7, including 1 in full breeding plumage (CFM), 32 on 6/11, 48 on 29/1 (2 appeared to be swimming) (KVT), 8 on 17/6; Tukituki E, 7 on 6/11; Blackhead-Porangahau, 29 on 23/7 (OSNZ census), 147 on 20/8 (HAR, BDH), 105 on 13/11 (OSNZ census), 130 on 11/3 (HAR), 48 on 17/6 (OSNZ census). Aramoana-Pourere, 97 on 24/1 (TAS). [Wr] L Wairarapa, max 48 on 25/10 (BDH, HAR). [W] Waikanae E, 2 on 6/11 (MF, JL), 1 on 27/12 (DS, MS).

#### GREENSHANK *Tringa nebularia*

[FN] Parengarenga H, 4 together on 20/4/88 and 2 on 18/4 (RJP). [BP] Matahui Pt, Tauranga H, 1 on 22/4 (BC).

#### MARSH SANDPIPER *T. stagnatilis*

[N] Port Whangarei, 1 on 10/5 with oystercatchers and Pied Stilts (MPK). [A] Jordans, Kaipara H, 1 present from 19/11/87 (ACR) to 4/1 (MJT), 3 on 18/2 and 27/2 (PFB, ACR, AJT, VJL), 4 on 11/3 and 12/4 (all pale) (PFB, CJ), 1 in breeding plumage on 13/5 (RJP) and 21/6 (PFB, SD). Mangere SP/Kiwi Esplanade, 1 from 26/12 to 15/2 (CJ, RBS, KH, DS, MS, GAT, AJT *et al.*). [SA] Karaka, 1 in full breeding plumage on 7/6 (PFB, AC, PS). Miranda, FoT, 1 seen between July and Oct (DAL, 3RC); entering breeding plumage on 27/2 (PFB, AJT *et al.*); in breeding plumage on 25/6 (PFB, PS). [BP] Kaituna Cut, Maketu, 1 from 30/10 to 27/3 (PCL, DDM). [Wr] L Wairarapa, 1 on 2/1 (BDH, HAR, TCD, SEC).

#### WANDERING TATTLER *T. incana*

[SA] Waikawau Bay (north-east Coromandel), 1 bird in full breeding plumage (smooth grey above, fine grey speckling below except white under tail). Bird gave 3-5 note whistle calls. Was using reef at northern end of beach on 7/4 (GAT).

#### SIBERIAN TATTLER *T. brevipes*

[A] Jordans, Kaipara H, 1 from 27/12 to 18/2 (ACR, MJT, PFB, CJ). [SA] Manukau H census, summer, 1 at Kirks (AJG). Kaiaua, FoT, 1 on 2/4 (PFB, CJ). Miranda, FoT, 1 on 3/7 (AJG, 3RC).

#### TATTLER sp.

[FN] Parengarenga H, 1 on 19/4/88 (RJP). [SA] Mataitai, Clevedon, 1 on 14/3 (GJE, AJT).

#### COMMON SANDPIPER *T. hypoleucos*

[HB] Kairakau B, near Waipukurau, 1 on 26/12 (GJE).

#### TEREK SANDPIPER *Xenus cinereus*

[FN] Parengarenga H, 1 on 18/4 (RJP). [N] Port Whangarei, 1 on 11/12 and 9/1 (GNG). [A] Mangere SP, 1 on 25/9 (VJL) and 28/9 (RJP, CB), 2 on 10/4 (GAT). [SA] Miranda, FoT, 1 seen regularly between 30/10 (AVS *et al.*) and 29/4 (3RC, AJG). [M] Manawatu E, 1 from 26/11 to 20/5 (RG, IS, JLM, MAF, AJT, BAT, DS, MS).

#### TURNSTONE *Arenaria interpres*

[FN] Parengarenga H, 100+ on 22/4/88 (RJP). The Bluff, 90 Mile B, 1 on 11/10 (BHS). Houhora H, 40+ on 18/4/88; Karikari Bay, 58 on 18/12 (RJP). [N] Ruakaka E, 1 from 18/12 to 26/3 (GNG). Waipu E, 6 from 31/12 to 3/1 (MT, TR), 22 on 18/3 (PFB, CH, GAP, AJT). [A] Mangawhai E, 25 on 24/12 (CHo), 2 on 14/6 (GAT *et al.*). Kaipara H: Taporā, 30 on 22/12 (MJT), 51 on 21/6 (DGB, RJP *et al.*); South Head, 2 on 21/6 (GAT, AJT); Jordans, 70 on 27/12 (ACR), 90 on 22/2 (ACR), 10 on 21/6 (PFB, SD). Tamaki E, 7 on 23/4; Mangere SP, 15 on 20/11 (MJT). [SA] Manukau H census, summer 803, winter 103 (AJG, OSNZ group). Karaka, 70 on 24/9 mostly new arrivals (OSNZ group), 24 on 7/6 (PFB, AC, PS). Sunset B, Port Waikato, 1 on 9/10 (DJA, PJA). FoT census, summer 132 (AJG, OSNZ group). Miranda, 18 on 4/8 (3RC), new arrivals on 17/9 (DJA, PJA), 87 on 26/12 but none recorded 13/1 to 30/6 (3RC, AJG). Coromandel Pen coastal survey, 2 at Coromandel H on 12-13/11 (AJG). [BP] Tauranga H: Bowentown B, 30 on 31/7, 46 on 27/6; Bowentown Shellbanks, 330 on 12/11 (BC). Kaituna Cut, Maketu, 2 on 1/10, 30 on 30/10 and 26/11; Maketu E, near entrance, 17 on 27/3, 2 on 22/4 (PCL). Port Ohope Spit, 3 on 27/11 (WMH). Ohiwa Spit, 1 on 6/8 (RMW). [Wg] Turakina E, 1 on 28/11 (OCT). [M] Manawatu E, 1 on 12/11, 4 on 27/12 and 3/1, none on 14-15/1, 1 on 24/6 (RG, IS, JLM). [HB] Tukituki E, 2 on 6/11; Porangahau E, 26 on 13/11 (OSNZ census). [Wr] L Wairarapa, 1 on 26/11 (BDH, HAR). [W] Waikanae E, 1 on 5/11 (DS) anmd 11/1 (BAT).

#### KNOT *Calidris canutus*

[FN] Karikari Bay, 155 on 18/12 (RJP). Kerikeri Inlet, 14 on 5/11 (GNG). [N] Port Whangarei, 40 on 8/10, 150 on 22/10, max 1000 on 9/1, 2 on 6/5; Takahiwai, 230 on 26/11, 600 on 5/6; Ruakaka E, 100 on 5/2, 15 on 11/3 (GNG). Waipu E, c.200 from 31/12 to 3/1 (MT, TR), 54 on 18/3 (PFB *et al.*). [A] Mangawhai E, 334 on 24/12 (CHo). Kaipara H: Taporā, 460 on 21/6 (RJP, NR *et al.*); South Head, 166 on 21/6 (AJT, GAT); Jordans, 2000 on 26/10 (ACR, SJD), 3500 on 27/12 (ACR), 5500 on 18/2, 788 caught by cannon-net (17 retraps) and 762 banded on 23/2 (ACR), 36 on 12/4 (PFB, CJ). Te Aratu, Upper Waitemata H, 4000 on 19/2 (CJ, PFB). Tamaki E, 100 on 3/2 (MJT, GJA). Mangere SP, 3030 on 14/1 (CJ, SD). [SA] Manukau H census, summer 21172, winter 5350 (AJG, OSNZ group). Karaka, 2208 on 7/6 (PFB, AC, PS). Port Waikato, 7 on 6/11 (OSNZ group). Whangamarino R, 1 km upstream of Maramarua confluence, 1 on 5/11 (ND). Wairoa E, 12 on 15/10, 570 on 3/1 (AJG), 1100 on 14/3 including 1 albino with dark legs and bill and some brown on primaries (AJT, GJE), 35 on 25/3, none on 31/5 and 9/6 (AJG). FoT census, summer 4230, winter

90 (AJG, OSNZ group). Miranda, 5000 on 22/10 (ACR), 3810 on 27/11 (FoT census), 1600 on 31/1 (PC), then small counts during late summer (AJG). Coromandel Pen survey, 56 including 50 at Colville Bay on 12-13/11 (AJG, OSNZ group). Matarangi Spit, 45 on 9/4 (E. Pratt). [Wk] Aotea H, 1 on 26/11; Kawhia H, 5 on 26/11 (OSNZ census). [BP] Tauranga H: Bowentown Shellbanks, 65 on 12/11, 4 on 27/6; Matahui Pt, 3 on 30/5 (BC); Sulphur Pt, 5 on 8/4; Kaituna Cut, Maketu, 10 on 24/9, 30 on 1/10, 120 on 29/10, 180 on 26/11 (PCL). Little Waihi E, 3 on 1/10 and 30/10 (KLB, PCL). Port Ohope Spit, 3 on 27/11 (WMH). Ohiwa Spit, 12 on 27/11 (WHS). [G/W] Te Araroa, 3 on 15/10 (RJP). [T] Waitara R, 1 on 19/11; Pungaere Stream, Rahotu, 3 on 11/12 (DGM, REL). [Wg] Wanganui E, present in low numbers 24/10/87 to 28/1/88, max 13; very few summer 88/89, 4 on 24/9 (PFB), 2 on 20/2 (GR). Turakina E, 3 on 28/11/87, 17 on 4/12, 1 on 14/1 (OCT). [M] Manawatu E, 17 on 23/9, max 310 on 25/1, 3 on 8/4 (JLM, MM). [HB] Ahuriri E, 5 on 6/11 (OSNZ census), 16 on 3/12 (MPT, PWT). Tukituki E, 43 on 6/11 (a large number) (OSNZ census). Waitangi, 4 in partial breeding plumage on 10-11/10, increased to 26 on 1/11 (KVT, MPT, PWT). Porangahau E, 1 on 13/11 (OSNZ census). Aramoana-Pourere, 1 on 24/1 (TAS). Numbers and frequency of sightings increasing in this region (MTC). [Wr] L Wairarapa, 3 on 25/10 (BDH, HAR). [W] Waikanae E, 9 on 6/11 (MF, JL).

#### SHARP-TAILED SANDPIPER *C. acuminata*

[FN] Parengarenga H, 1 on 21/4/88; Karikari Bay, 2 on 18/12 (RJP). [A] Jordans, Kaipara H, 1 on 27/12 (ACR), 3 on 4/1 (MJT), 7 on 18/2, 1 on 12/4 (PFB, AJT, CJ). Mangere SP, 2 on 13/11, 1 on 26/3 (CJ). [SA] Manukau H census, summer 6 (AJG, OSNZ group). Yates Dam, Karaka, 5 on 22/3 (RBS, GJE, AJT). Access Bay, FoT, 1 newly arrived on 17/9 (DJA, PJA), 8 by 30/10 (AVS *et al.*), 12 on 23/12 (CMM), still 7 on 2/4 (PFB, CJ). [BP] Kaituna Cut, Maketu, 2 on 11/9, 4 on 24/9, 5 on 30/10 and 26/11, 8 on 27/3 (PCL). [Wg] Turakina E, 1 on 28/11/87; only recent record for region (OCT). [M] Manawatu E, 2 on 22/10 (JLM, MM), 3 on 6/11 (RG, IS), 6 on 8/1 (AJT, MAF, BAT) and 16/1 (DS, MS), 8 on 20/2 (RG, JLM, IS) and 31/3, mostly in breeding plumage (AJT), 1 on 23/4 (JLM, MM). Foxton No.1 L, 6 on 9/4 (very high tide at Manawatu E) (JLM). [HB] Southern Marsh, Westshore, 1 on 16/10 and later in summer. Almost a complete absence of sandpiper species in last 2 years (MTC). [Wr] Henley Ponds, Masterton, 1 present from 10-14/12 (CAO, TCD). L Wairarapa, max 6 on 1/2 (BDH, HAR).

#### PECTORAL SANDPIPER *C. melanotos*

[A] Jordans, Kaipara H, 1 on 18/2 (PFB, CJ). Mangere SP, 3 from 15/2 to 26/2 (GAT, MJT, AJT, PFB, CJ, PS, GJE *et al.*), 2 from 9/3 to 13/3 (RBS, KH, PFB, VJL). [SA] Access Bay, FoT, 1 on 23/12 (CMM) and 26/12 (3RC, AJG). [BP] Kaituna Cut, Maketu, 1 on 24/9 and 30/10 (PCL). [Wg] Turakina E, 2 from 31/12 to 22/1 (IS). [M] Manawatu E, 1 from 11/12 to 28/1 (JLM, MM, MAF, AJT, BAT). [Wr] L Wairarapa, 1 on 2/1, 2 on 1/2 (BDH, HAR). Errata: CSN March 1984, should read "Waikanae E, 1 on 20-21/3/82 (CF, AJT)", not seen 1983.

#### CURLEW SANDPIPER *C. ferruginea*

[FN] Parengarenga H, 5 on 20/4/88 and 20 (many in breeding plumage) on 18/4 (RJP). [A] Mangere SP, 1 on 11/10 (MJT) and 11/3 (PFB). [SA] Manukau H census, summer 5, winter 2 (AJG, MG, SG). Karaka, 2 on 24/9 (OSNZ group), 1 on 7/6 (PFB, AC, PS). Miranda, FoT, 6 on 2/10 (3RC), FoT census, summer 10 (OSNZ group), 11 on 2/4 (PFB, CJ), 6 still present on 10/5 (3RC, AJG). [BP] Kaituna Cut, Maketu, 1 on 11/9 and 30/10 (PCL). [M] Manawatu E, 1 from 24/10 to 23/12 (JLM, MM, RG *et al.*). [Wr] L Wairarapa, 1 on 26/11 (TCD, HAR).

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

[FN] Parengarenga H, c.20 on 20/4/88 and 17 on 18/4; Karikari Bay, 5 on 18/12 (RJP). [N] Port Whangarei, 1 on 8/4; deep orange on breast, was with a big flock of Wrybills (GNG). [A] Kaipara H: Tapora, 1 on 21/6 (RJP); Jordans, 1 on 26/10 (ACR, SJD). Mangere SP, 1 on 20/11 (MJT) and 21/4 (AJT, GJE). [SA] Karaka, 5 on 24/9 (OSNZ group), 16 on 24/1 (AJG), 3 on 7/6 (PFB, AC, PS). Miranda, FoT, 11 on 30/10 (AVS *et al.*), 3 on 2/4 (PFB, CJ). [BP] Kaituna Cut, Maketu, 5 on 11/9, 7 from 30/10 to 26/11, 5 on 27/3 (PCL). Maketu E, near entrance, 2 on 27/3, 5 on 22/4 (PCL). [Wg] Turakina E, 2 on 28/11/87, 1 from 31/12 to 22/1 (IS, OCT). [M] Manawatu E, 1 on 16/7 (EG, JL, MN), to 11/11 (JLM, MM), 27/3 to 31/3 (IS, MM, AJT). [HB] Napier, 2 on 5/2 (IS). Southern Marsh, Westshore, 3 on 16/10, 1 on 25/2 (MPT, PWT). Porangahau E, 9 on 20/8 (HAR, BDH), 14 on 13/11 (OSNZ census), 20 on 11/3, a large number (HAR), 4 on 17/6 (OSNZ census).

#### SANDERLING *C. alba*

[SA] Miranda, FoT, 1 positively identified by overseas visitor on 23/9 (MJT). [BP] Maketu E, near entrance, 1 on 27/3 in non-breeding dress (PCL).

#### PIED STILT *Himantopus h. leucocephalus*

[FN] Aupouri dune lakes: L Heather, 36 on 28/1; Awanui, 50 in a flooded paddock with Red-billed Gulls on 13/6 (MH). Mangonui H, 11 on 18/3; Kerikeri Inlet, 17 on 5/11 (GNG). [N] Bland Bay, 3 including 1 juv on 28/2; Mimiwhangata, 29 on 23/2 (BHS). Whangaumu Bay, near Ngunguru, 2 on 15/10 (JBW, MR). Pataua, 25 on 27/1; Port Whangarei, 22 on 8/10, 100 on 22/10, Dec-Feb max: 224 on 24/12, Mar-May max: 600 on 24/3, still 500 on 20/5, 149 on 5/6; Takahiwai, 1 with young on 26/11, 36 on 5/2, 27 on 11/3; Skull Creek, 5 on 3/7 (GNG). Taurikura, near Bream Head, 5 on 24/7 (BAY, JBW, MR). Ruakaka E, 2 on 18/9, max 25 on 18/2, 12 on 26/3 (GNG). Waipu E, 31 from 31/12 to 3/1 (MT, TR). Dargaville, 6 on 25/9; Kaipara H: Burgess I, 15 on 3/7; Mooney RD, near Pahi, 134 on 26/11; Tinopai, 15 on 3/7 (GNG). [A] Mangawhai E, 12 on 9/7 (MJT *et al.*), 91 on 24/12 (CHo), 12 on 14/6 (GAT *et al.*). Pakiri B, 12 on 14/6 (PS, TG). Mahurangi H, 71 on 26/6 (GAT, AJT). Kaipara H: Tapora, 419 on 21/6 (CJ, DGB *et al.*); South Head, 27 on 21/6 (AJT, GAT); Kakanui Pt, 135 on 29/6 (RJP, GAT, AJT); Jordans, 60 on 27/12 (ACR), 150 on 18/2, 510 on 12/4, 770 on 21/6 (PFB, CJ); Parakai/Mairetahi, 10 on 3/9 (GNG), 639 on 21/6 (PFB, SD, AJT, GAT). Orewa E, 14 on 22/12 (MJT, GJA). Upper Waitemata H, 38 on 30/1 (CJ), 176 on 25/6 (GAT, AJT). Shoal Bay, 149 on 27/6 (GAP, SM, MG). Tamaki E, 75 on 23/4, 160 on 25/6

(MJT). Whitford E, 21 on 14/12 (HA, SA), 26 on 29/6 (KB, HA). Mangere SP, 800 on 31/7 (DGB *et al.*), 574 on 14/1 (CJ, SD), 650 on 19/2 (CJ, PFB). [SA] Manukau H census, summer 675, winter 3867 (AJG, OSNZ group). Karaka, 1110 on 7/6 (PFB, AC, PS). Maioro, family party of 5 feeding on edge of surf; Tuakau SP, 27 on 21/5 (OSNZ group). FoT census, summer 353, winter 2831; Coromandel Pen coastal survey, 132 on 12-13/11 (AJG, OSNZ group). Port Charles, 12 on 7/4; Kennedy Bay, 18 on 8/4; Whitianga H, 49 on 5/4; Opoutere, 28+ on 5/4 (GAT, SLT). [Wk] Aotea H, 46 on 26/11, 12 on 25/6; Kawhia H, 41 on 26/11, 334 on 25/6 (OSNZ census). [BP] Tauranga H: Katikati, 50 on 17/7 (PCL); Matahui Pt, 250 on 21/8 (GGB), 361 on 30/6 (BC); Omokoroa Golf Course, 200 on 17/7, 40 on 30/7 (KLB); Sulphur Pt, 38 on 8/4 (PCL). Kaituna Cut, Maketu, 105 on 14/8/87 (KOW), 40 on 11/9, 70 on 1/10, 100 on 30/10 and 26/11 (RSC, CJ, PCL), 50 on 27/3 (many were juvs), 130 on 22/4; Maketu E, near entrance, 50 on 22/4 (PCL), 103 on 7/5 (PCL, KLB). Little Waihi E, 40 on 22/4 (PCL), 412 on 7/5 (BC). Otamarakau, 20 on 23/4 (PCL). Pikowai-Herepuru, 3 pairs breeding on beach on 17/11 (WMH). Matata, 2 pairs each with 2 downy chicks on 27/11, 300 on 25/2 and 23/4 (PCL). Old Rangitaiki R bed, 14 pairs on nests on 23/10/87 (KOW). Ohiwa H, 57 on 4/7 (WHS, WMH), 105 on 12/6 (WMH). Waiotahi E, 2 on 3/7, 22 on 27/11; Waioka E, 18 on 27/11; Waiau E, 14 on 3/7, 25 on 22/11; Motu R mouth, 6 on 22/11 (WHS). Raukokore R mouth, 4 on 16/10 (RJP). Whangaparaoa B, 4 on 9/11 (WMH). [G/W] Hicks Bay, 10 on 15/10; Te Araroa B, 15 on 15/10 (RJP). Hopuruahe R mouth, L Waikaremoana, 8 on 18/10 (KOW). [Wg] Waitotara E, 25 on 7/7; Wanganui E, 116 on 25/1/88, 148 on 12/5; Turakina E, 71 on 4/12 (PFB), 50 on 20/5 (PFB, OCT). [M] Manawatu E, max 425 on 7/5; Foxton No.1 L, c.30 on 1/1; Moutoa, c.40 on 9/10 (JLM, MM). Manawatu Flood Path, 65 in paddocks on 13/6 (MO), Ohau E, 90 on 24/6 (HAR). [HB] Ahuriri-Westshore, 715 on 9/7, 520 on 6/11, 734 on 17/6; Waitangi, 70 on 9/7, 9 on 6/11, 44 on 17/6; East Clive- Tukituki E, 103 on 9/7, 61 on 6/11, 161 on 17/6; Porangahau E. 66 on 23/7, 23 on 13/11 (OSNZ census), 64 on 11/3 (HAR), 56 on 17/6 (OSNZ census). L Poukawa, c.130 on 29/7 (KVT). [Wr] L Wairarapa, max 573 on 9/7 (BDH, HAR). [W] Pauatahanui Lag, 3 pairs with 3 + 3 downy chicks and 1 fledging on 11/12 (JLM, MM).

#### BLACK STILT *H. novaeseelandiae*

[N] Taurikura, near Bream Head, 1 with small white area beneath tail, present with 5 Pied Stilts on 24/7 (JBW, MR, BAY). [A] Kaipara H: Mairerahi, 1 adult plus adult nodes H (2), and node I (2) on 25/4/88, 1 adult on 7/2, 2 in late May (RJP); Jordans, 2 smudgies on 18/2 (PFB, CJ). Upper Manukau H, 1 node F roosting with Pied Stilts on 7/8 (DGB). Mangere SP, 1 node E and 1 colour-banded juv on 18/9 to 11/10 (MJT, VJL, CB), 1 node E hybrid and a normal Pied Stilt fledged 2 chicks on 20/11 (MJT). Takanini, pair seen, node E and F on 4/1 (GJA). [SA] Maioro, 1 node E/F in group of 11, feeding very actively on beach at high water mark on 14/6 (OSNZ group). Dunders, Clevedon, 1 node E/F among 8 on 3/1 (AJG). [Wk] Kawhia H, 1 colour-banded first winter bird and several colour-banded hybrids on 2/5/88 (RJP); 1 colour-banded juv, 1 dark node G, 3 node H (1 colour-banded), and 1 node I on 9/5 (BHS) and 25/6 (OSNZ group). [M] Manawatu E, 1 from 24/12 to 20/2 (head F/G, body E), 2 on 6/5

on 6/5 (head G, Body F; head G, body E), 1 on 17/6 (head G, body E) (JLM, MM). [Wr] L. Wairarapa, 1 node G on 10/12 (BDH, HAR).

#### SOUTHERN GREAT SKUA *Stercorarius skua*

[A] Muriwai B, 1 found alive on 10/7; was eating goose barnacles on a driftwood log (SLT). Taken to Bird Rescue and released at Muriwai on 24/7 (SD). [BP] Off Pudney Reef, 1 reported by fisherman on 21/3 (PCL). Motiti I, 1 on 15/6 (JEH).

#### POMARINE SKUA *S. pomarinus*

[FN] Coopers B, 3 on 18/3 harrassing terns (TH *et al.*).

#### ARCTIC SKUA *S. parasiticus*

[A] Kawai I to Whangaparaoa, always common offshore during summer and autumn (GAT, AJT). Whangaparaoa to Tiritiri I, 3 dark and 1 light phase seen on 4/2 (MT). Auckland, 1 flew over Tamaki Drive into Orakei Basin on 6/4 (PFB). [SA] Miranda, FoT, 1 dark phase on 30/11 (AVS *et al.*). Cooks Beach, 1 harrassing Red-billed Gulls, 2-9/11 (ACR). [BP] Between Mt Maunganui and Motiti I, 1 dark and 1 pale with central tail feathers, reported by fisherman on 20/4; Papamoa, 1 dark and 1 pale phase with central tail feathers, on 18/3 (PCL). Matata, 2 pale, 1 dark phase harraying White-fronted Terns on 22/4; Port Ohope Spit, 1 pale phase bird chasing terns over spit on 9/4 (WMH). [T] Sugar Loaf Group, New Plymouth, 2 harrassing White-fronted Terns as they returned in evening to roost on Seal Rocks on 1-2/5 (GAT, CW). [M] Moanaroa B, Rangitikei R mouth, 1 light phase adult on 5/3 (IS). Foxton B, 1 on 31/12, 14/1 and 12/3 (JLM, MM). [HB] Napier, 2 adult light phase and 1 imm on 4/2 (IS). [W] Waikawa B, near Otaki, 1 Red-billed Gull size, small pointed central tail feathers, dark plumage with barred belly and undertail coverts, yellowish nape, 3rd outer primaries missing (= juv intermediate morph), was chasing White-fronted Terns on 14/5/86 (AJT). Somes I, 1 on 13/11 (DC). Cook Strait, 1 light phase and 1 dark phase adult on 16/3 (IS).

#### SKUA sp.

[N] Waipu E, 1 (possibly Arctic) from 31/12 to 3/1 (MT, TR). [A] Little Barrier I, 1 dark brown and large but appeared smaller than Southern Great Skua, flying over coast on 5/5 (AJT). Bastion Pt, 1 offshore on 22/3 (WL, MJT). [BP] 8 km off Mt Maunganui, 1 (possibly Arctic) on 8/6 (JEH). [T] New Plymouth, 2 dark birds off Sugar Loaf Is on 30/10; Pungaere Stream, Rahotu, 1 dark bird harraying White-fronted Terns on 19/2 (DGM). [HB] East Clive, 1 dark phase on 4/2 (KVT, BS, MTC). Aramoana-Pourere, 1 on 24/1 (TAS).

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

[N] Waipu E, 42 from 31/12 to 3/1 (MT, TR). [A] Auckland University, 1 adult shook feathers off dead Song Thrush then swallowed it, during Oct or Nov (AJT). Mangere SP, 180 birds nesting on 13/11, c.60 nests and a few chicks (MJT). [SA] Manukau H census, summer 371, winter 358 (AJG, OSNZ group). Cochran's Gap, near Pollok, Awhitu Pen, 7 visible occupied sites on inaccessible ledges to north on 9/10 (OSNZ group). North of Karioitahi, nesting on 18/12 (DGB). Sand I, Waikato R mouth, sitting widely spaced on 6/11. Island much reduced in size since Cyclone Bola (OSNZ group). FoT census, summer 404, winter 565 (AJG, OSNZ group). Taramaire, FoT, 2 downy chicks on 26/12 (3RC). Coromandel Pen coastal survey, 403 on 12-13/11 (AJG, OSNZ group). [Wk] Aotea H, 7 on 25/6; Kawhia H, 66 on 26/11, 38 on 25/6 (OSNZ census).

[BP] Tauranga H: Matakana I, west end, 20 pairs nesting on 4/12 (BC); Matakana I, eastern end, c.1300 of which about 1/3 were juvs on 29/1 (BC, PCL); Panepane Pt, 135 with 40 nests on 12/11 (RCM); Sulphur Pt, 200 on 12/11 (GIH, AM), 150 on 28/1, c.1500 on 8/4; Maketu E, 50 on 30/10, 75 on 27/3 (PCL). Little Waihi E, 50 on 26/11, of which 30 were sub-adults (KS), 30 on 27/3; Tarawera R mouth, 8 on 3/7; Rangitaiki R mouth, 150 on 3/7; Maraetotara, Ohope, 50 on 27/11; Port Ohope Spit, 25 on 27/11 (PCL). Waioeka E, 36 on 27/11; Waiaua E, 30 on 22/11 (WHS). [T] Waiwhakaiho R. mouth, 305 roosting on 2/5 (GAT, CW). [Wg] Waitotara R, colony present; many nests with up to 3 eggs but no chicks on 13/11 (DGM). [HB] Ahuriri-Westshore, 258 on 9/7, 187 on 6/11, 230 on 17/6; Waitangi, 180 on 9/7, 220 on 6/11, 110 on 17/6; East Clive-Tukituki E, 95 on 9/7, 162 on 6/11, 185 on 17/6; Porangahau E, 14 on 23/7, 170 on 13/11 (nesting), 25 on 17/6 (OSNZ census). [W] Wellington H, breed on rocks near Petone; 2 sets of 2 chicks plus adult on 3rd nest on 4/1 (JLM, MM). Moa Pt, Wellington, 84 nests, 92 eggs and 1 chick on 27/11 (MB, DB).

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

[N] Waipu E, 120 from 31/12 to 3/1 (MT, TR). [A] Muriwai Gannet colony, 11 adults nesting on 11/12 (SD). [SA] Manukau H census, summer 88, winter 979; Coromandel Pen coastal survey, 844 on 12-13/11: breeding at Coromandel, shellbank at mouth of Waiau R, 60 present; islet off Little Bay, near Waikawau Bay, 30; Punga I, off Whangapoua B, 50; east end of Kuaotunu B, few; rocks west end of Otama B, 20 (AJG, OSNZ group). [Wk] Aotea H, 3 on 26/11; Kawhia H, 34 on 26/11, 42 on 25/6 (OSNZ census). [BP] Tauranga H: Bowentown airstrip, c.400 sheltering during an easterly storm on 17/7 (PCL); Bowentown Shellbanks, 115 nesting on 12/11 (BC); Katikati, c.1000 sheltering during an easterly storm on 17/7 (PCL); Sulphur Pt, 50 on 12/11 (GIH, AM). Mt Maunganui blowhole, nesting colony, 37 nests on 24/11 (KF, KS). Between Mt Maunganui and Motiti I, in mixed flocks with Fluttering Shearwaters and Diving Petrels on 23/7 (ASR). Kaituna Cut, Maketu, 55 at rivermouth on 11/9, 150 on 27/3; Maketu E, near entrance, 30 on 30/10, 130 on 27/3, 70 on 22/4; Little Waihi E, 100 on 1/10, 50 on 27/3; Tarawera R mouth, c.500 on 3/7; Rangitaiki R mouth, 50 on 3/7 (PCL). [T] New Plymouth, a colour-banded bird seen on 10/6/88 had been banded as an adult at Kaikoura on 10/11/80 (EW). [HB] Ahuriri E, 84 on 9/7, 11 on 17/6 (OSNZ census). Marine Parade, Napier, c.334 in two roosting flocks with Black-billed Gulls on 25/6, a fairly large flock (MPT, PWT). Waitangi, 73 on 9/7, 54 on 6/11, 10 on 17/6; Porangahau E, 20 on 23/7, 38 on 13/11 (a few nests) (OSNZ census). [W] Waikanae E, 250 on 28/3 (AJT, BAT).

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

[A] Western Springs lakes, Auckland, 1 on 5/5 (GAT, SLT). [SA] Karaka, 6 on 24/1 (AJG). Mataitai/Kawakawa Bay, usual small numbers wintering, max 15 on 5/8, 2 on 31/1; not present between these dates (AJG, PCC). Access Bay, FoT, no breeding observed this summer (AJG): several Red-billed x Black-billed Gull hybrids seen on 4/8; 1 with a yellow bill and 1 Black-billed Gull with red legs (GJM). Coromandel H, 10 breeding with Red-billed Gulls on 12-13/11, on shellbank at mouth of Waiau R (AJG, OSNZ group). [BP] Kaituna Cut, Maketu, 1 adult on 1/10 and 22/4, first record for this site; Little Waihi E, 4 on 1/10; Tarawera R mouth, 10 on 3/7 (PCL). [Wg] Wanganui E, a few in autumn/winter; 2 on 4/3/88, 1 on 15/5/88, 3 on 20/6/88 (PFB). Turakina E, small numbers, usually in winter, 2 on 20/5 (OCT, PFB). [M] Manawatu E, max c.30 on 18/6 (JLM,

MM). [HB] Ahuriri E, 1 on 9/7, 65 on 6/11, 28 on 17/6 (OSNZ census). Marine Parade, Napier, c.167 with Red-billed Gulls on 25/6 (MPT, PWT). Tukituki E, 9 on 9/7 (OSNZ census), breeding flock of 100+ with White-fronted Terns on 1/10 (JRP, FET). Flock increased to c.171 on 6/11, birds moved upstream to nesting site above Haumoana Bridge, about 1-2 km from the beach. Only the second time they have nested away from the beach and not with White-fronted Terns as they usually do. They produced 150-200 nests and bred successfully (BMT, BG, KVT), 21 on 17/6; Porangahau E, 20 on 23/7, 24 on 13/11, 4 on 17/6 (OSNZ census). L Poukawa, c.30-50 present during winter (MTC). [Wr] Henley Ponds, Masterton, 150+ birds present on 30/9; birds seen copulating and 19 partly formed nests constructed. Colony deserted on 1/10; no breeding took place (TCD). [Wr] L Wairarapa, max 92 on 9/7 (BDH, HAR). [W] Waikanae SP, 30 on 1/9; Waikanae E, 107 on 31/3 (AJT). Wellington H, Ngauranga, 2 on 17/5, 1 on 30/5 (JLM, MM).

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

[HB] Ahuriri E, 1 on 9/7, but not seen Nov (OSNZ census), seen again on 7/5 in full breeding plumage, with Caspian Terns (MPT, PWT). Usually a solitary bird, present on 17/6 (OSNZ census). One bird has frequented this area during past 3 years (MTC).

#### CASPIAN TERN *Hydroprogne caspia*

[FN] Paua, 4 on 13/10 (BHS). Mangonui H, 1 on 18/3; Kerikeri Inlet, 2 on 5/11 (GNG). [N] Bland Bay, 10 on 28/2 (BHS). Camp Bay, Whangaruru H, 1 on 18/12 (JBW, MR). Mimiwhangata, 3 on 23/2 (BHS). Whananaki Sandspit, 1 on 3/7 (JBW, MR). Ngunguru E, 2 on 9/10 (BHS). Pataua, 2 on 27/1 (GNG). Hatea R, Whangarei City, 1 on 1/7 (JBW, MR). Port Whangarei, 2 on 8/10, increasing to an early autumn max of 25 on 24/3, still 17 on 31/5; Skull Creek, 4 on 3/7; Ruakaka E, 1 on 11/3 (GNG). Waipu E, 10 from 31/12 to 3/1 (MT, TR). Tinopai, Kaipara H, 2 on 3/7 (GNG). [A] Mangawhai Spit, 73 on 9/7, 15 pairs, some sitting on 28/9; 63 pairs sitting and some well advanced chicks, 154 adults noted (c.80 pairs in colony) on 3/11 (CHo, MJT, GJA); 110 birds, 6 remaining nests, 36 chicks (8 downy, 22 runners, 6 fledglings) on 23/11 (SPC). Omaha E, 25 on 12/9 (SPC). Beehive I, pair with egg and chick on 15/10; Rocky I (by Moturekareka I), 3 birds and 1 nest (2 eggs) on 15/10 (GAT, AJT). Kaipara H: Tapora, 40-50 on 18/6/88 (MG, SG), 46 adults, 8 chicks and 5 nests with eggs on 10/12 (SPC, AR), c.20 adults guarding 14 chicks on 4/1 (MJT, CJ, SD); Island off Shelley B, 7 pairs nesting in Sept, poison laid for rats; many chicks at all stages on 14/12 (CHo). L Kereta, 22 on 23/12 (BS). Orewa E, 14 on 22/12 (MJT, GJA). Pollen I, Waitemata H, 31 on 12/4 (AJT, GJE, GAT). Te Matuku Bay, Waiheke I, pair with egg and chick on 23/10 (BS). Frenchmans Cap, near Pakatoa I, pair with 2 chicks on 29/10 (AJT, GAT). Tahuna- Torea Res, 27 on 12/2 (MJT, GJA), 23 on 23/4 (MJT). Mangere SP, 50 on 30/1 (VJL), 69 on 19/2 (CJ, PFB), 79 on 11/3 (PFB). [SA] Manukau H census, summer 32, winter 91 (AJG, OSNZ group). Sand I, Waikato R mouth, 56 in tight flock but no sign of breeding on 6/11 (OSNZ group). Miranda, FoT, numbers built up from March, max 108 on 10/5 (3RC). Coromandel Pen coastal survey, 5 on 12-13/11 (AJG, OSNZ group). [Wk] Hamilton L, 1 on 3/7 (ASR). Swamp RD, Te Aroha, c.20 roosting on 31/7 (PCC). Aotea

H, 6 on 26/11, 3 on 25/6; Kawhia H, 21 on 26/11 (OSNZ census), 35 on 11/3 (BHS), 21 on 25/6 (OSNZ census). [BP] Tauranga H: Bowentown airstrip, 3 on 17/7, sheltering from easterly storm; Tuapiro, 7 on 17/7, in field sheltering from easterly storm (PCL); Bowentown Shellbanks, breeding, 96 nests on 12/11 (BC); Matahui Pt, 25 on 12/11 (PCL, NAS); Omokoroa Golf Course, 3 on 17/7, 4 on 12/11 (KLB); Sulphur Pt, 36 on 17/7 (RSC, CJ), 4 on 12/11 (GIH, AM), 36 on 28/1 (BC, PCL), 133 on 8/4 (PCL), 14 on 24/4 (BDH); Aerodrome Bay, Mt Maunganui, 5 on 17/7, 1 on 12/11, 18 on 26/6 (GGB). Papamoa, 3 chasing one another high over my home, calling and squabbling on 5/9; Kaituna Cut, Maketu, 2 from 1/10 to 27/3, 1 on 22/4; Maketu E, near entrance, 2 on 1/10 (PCL). Little Waihi E, 2 from 1/10 to 26/11, 4 on 22/4 (KLB, PCL, KS). Otamarakau, 5 on 30/10, 1 on 21/1 (PCL, NAS). Tarawera R mouth, 3 on 3/7 (CJ), 1 on 23/4; Rangitaiki R mouth, 1 on 23/4 (PCL). Port Ohope Spit, 2 on 27/11 (WMH). Ohiwa H, 10 on 3/7, 38 on 7/4 (WMH, PCL). Waiotahi E, 2 on 27/11; Waioeka E, 1 on 3/7; Waiaua E, 3 on 3/7 (WHS). [VP] L Rotoehu, Soda Springs outlet, 1 on 13/6 (GAT, CW). Sulphur Bay, Rotorua, 41 roosting on flats near Travelodge on 8/2 (GAT). [T] North Taranaki, present along coast in small numbers (DGM). [Wg] Wanganui E, irregular visitor, 1 on 25/1/88 (PFB), 5 on 4/6 (OCT), 7 on 11/9 (GR), 2 on 31/12 (PFB), 3 on 17/6; Turakina E, often present, 2 on 10/3/88, 3 on 25/6/88 (OCT). [M] Manawatu E, max 26 on 22/4; Foxton Loop, 1 on 8/10 (JLM, MM). [HB] Ahuriri E, 4 on 9/7 and 6/11 (OSNZ census), 21 at Pumphouse on 1/4, 14 on 17/5 (MPT, PWT), 11 on 17/6; Waitangi- East Clive, 16 on 17/6 (OSNZ census). Tukituki E, 13 on 9/7 and 1/10 (BS, MTC), 5 on 6/11, 16 on 17/6; Porangahau E, 3 on 23/7, 4 (nesting) on 13/11 (OSNZ census), 6 on 11/3 (HAR) 3 on 17/6 (OSNZ census). [Wr] L Wairarapa, max 19 on 1/2 (BDH, HAR).

#### BLACK-FRONTED TERN *Sterna albobriata*

[BP] Tarawera R mouth, 5 on 30/6 (WMH). Rangitaiki R mouth, 33 (27 A's, 2 B's, 4 F's) on 3/7 (PCL), 5 on 5/8 (JHF), 4 (2 C-D's, 2 D's) on 23/4 (PCL), 5 on 10/5 (KLB), 21 on 26/6 (WMH). [M] Moanaroa B, Rangitikei R mouth, 1 juv on 8/1/82 (AJT), 1 on 7/5 (IS). Bulls, gravel pits c.13 km inland, 1 on 22/7 (IS). [HB] Marine Parade, Napier, 44 on 17/6 including 2 banded; 1 adult and 1 first year (OSNZ census, MPT, PWT), 27 on 25/6 and 12+ hawking over fields inland at Meeanee, some 2 kms away soon after on same day. It is unusual for birds to be away from the beach in Hawkes Bay (MPT, PWT). Waitangi, c.24 on 25/7 hawking over inland man-made pond with continuous diving to surface or splashing in. A second pond separated from first by only a low bank was not hawked over (KVT), 3 on 16/4 (first sighting for year), 11 on 6/5 including 2 banded; 1 first year and 1 second year (MPT, PWT). Tukituki E, 15 on 9/7 (OSNZ census), 1 on 16/4 (MPT, PWT), 12 on 22/4 (KVT), 11 on 29/4 including two second year birds (MPT, PWT), 13 on 13/5, all were adult but one with slight cap mottling, 4 on 17/6 (OSNZ group). Waimarama, 3 on 18/4, 4 on 14/5 (KVT, HA). None present in Hawkes Bay during summer census (MTC). [Wr] Turanganui Delta, near L Onoke, 45 hawking over paddocks on 18/6 (HAR). [W] Waikanae E, 1 in breeding plumage and 1 juv which was fed a fish by an adult White-fronted Tern on 2/1/83 (AJT).

#### CRESTED TERN *Sterna bergii*

[W] Waikanae E, 1 in non-breeding plumage on 2/1/83 (AJT).

#### COMMON TERN *S. hirundo*

[BP] Tauranga H, Bowentown Shellbanks, 2 on 23/11 (1 in complete non-breeding dress, the other moulting out of breeding dress), 1 on 10/1 and 11/1 (BC). Tarawera R mouth, 1 in non-breeding dress on 25/2 (PCL).

#### ARCTIC TERN *S. paradisaea*

[T] Mimi R, 1 on 4/11 in eclipse plumage (DGM).

#### FAIRY TERN *S. nereis*

[N] Waipu E, 1 pair present. These hatched 2 chicks in 88/89 summer; 1 chick may have survived (GRP), 2 adults plus 1 sub-adult on 18/3 (PFB, AJT, GAP, CH). [A] Mangawhai E, 2 pairs with 2 egg nests in mid-Dec (FH), both nests destroyed by stormy weather between 24/12 and 31/12 (CHo). Taporā, Kaipara H, pair on Sand I on 10/12 (BG, KG), 2 on 21/6 (RJP). South Kaipara Head, Papakanui Spit, pair nesting on 19/12 (CHo), 2 on 21/6 (GAT, AJT). [SA] Miranda, FoT, 1 on 3/7 (SJD) and 2/8 (BC).

#### EASTERN LITTLE TERN *S. albifrons*

[A] Taporā, Kaipara H, 6 on 18/6/88 (MG, SG). [SA] Manukau H census, summer 8 (AJG). Miranda, FoT, 1 on 4/8 and 2/10, increasing to 11 on 27/11, max 12 on 29/1, 6 on 26/2, 5 on 12/4, 2 on 10/5 and none on 25/6 (3RC, FoT census, DJA, PJA, AJG, AJT). [Wk] Kawhia H, 2 tentatively identified as this species on 26/11 (OSNZ census). [BP] Tauranga H, Bowentown Shellbanks, 1 on 12/11, 5 on 24/11, 4 on 10/1, 6 on 15/1 and 3 on 15/2 (BC). Kaituna Cut, Maketu, 1 on 30/10 (PCL). Port Ohope Spit, 1 on 27/11 and 28/3 (WMH). Ohiwa Spit, 1 on 27/11, may have been same bird as that seen on Ohope Spit (WHS). Nukuhou R, Ohiwa H, 1 on 6/5, possibly same bird again (RMW). [M] Manawatu E, 2 from 23/10 to 29/3, 3 on 19/3, 1 until 7/5 (JLM, IS, AJT, BAT, MAF). [HB] Tukituki E, 1 with White-fronted Terns on 5/11 (MTC, JRP). [W] Waikanae E, 1 in breeding plumage from 6/6/81 to 12/7/81 (AJT).

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

[FN] Cable Bay, 15 on 18/3; Mangonui H, 86 on 18/3 (GNG). [N] Bland Bay, 78 on 28/2 (BHS). Camp Bay, Whangaruru H, 30+ on 18/2 (JBW, MR). Mimiwhangata, 130 on 23/2 (BHS). Sandy Bay, 22 on 5/3 (JBW, MR). Port Whangarei, 7 from 24/12 to 9/1, 1 from 25/4 to 15/5; Ruakaka E, 300+ on 11/3; Bream Bay, several hundred feeding offshore on 26/3 (GNG). [A] Mangawhai E, c.75 pairs nesting on Sand I on 10/12 (FH), 104 nests on 24/12 (CHo). Taporā, Kaipara H, 1100 birds, c.700 on nests and many young chicks on 10/12 (SPC, AR), c.600 fledglings and c.200 birds still on eggs on 4/1 (MJT, CJ, SD). Wooded I, 20-50 nearly fledged chicks present on 1/2 (GAT, AJT, GJE). Muriwai B, c.1000 on 11/6 (MJT). Muriwai Gannet colony, 58 incubating on 17/11 (BS), c.80 fledglings on 8/1 (MJT, CJ). Nani I, off Waiheke I, 70 including c.25 fledglings, 100+ old nest sites on 29/1 (AJT). Auckland, colony on Orakei wave screen, 160 adults plus some fluffy chicks on east screen, c.100 adults on west screen on 3/12 (MJT). Whatipu B, c.500 resting on beach on 11/5 (GAT, AJT, SD). [SA] Manukau H census, summer 20, winter 62 (AJG, OSNZ group). Miranda/Access Bay, 1000 on 22/10 (ACR), but they did not breed there this year (AJG). Coromandel Pen

coastal survey, 1346 on 12- 13/11: breeding at Tapu, 40; Coromandel H, shellbank at mouth of Waiau R, 470; Punga I off Whangapoua B, 20 (AJG, OSNZ group). Kuaotuna, 700+ on 28/1 (KM). Otama B, Coromandel Pen, c.200 on 5/4 (GAT, SLT). [Wk] Aotea H, 1 on 26/11; Kawhia H, 312 on 26/11, 1 on 26/6 (OSNZ census). [BP] Tauranga H: Bowentown Shellbanks, 350 birds courting on 12/11, 200 pairs nesting on 4/12, they raised few if any young due to Black-backed Gull predation (BC); Sulphur Pt, 165 courting on 12/11 (RSC, GIH, AM), 22 plus one recently fledged chick on 28/1 (this group included three birds sitting, one was on a downy chick, the other two on eggs), 5 flying over on the 8/4 (PCL). Mr Maunganui blowhole, 60 on 24/11 (KF, KS). Papamoa, c.50 roosting on beach and feeding beyond surf line, where they were harried by Arctic Skuas on 18/3; Kaituna Cut, Maketu, c.250 at rivermouth on 27/3, 50 on 22/4; Maketu E, near entrance, 16 on 26/11 (PCL), c.180 on 21/1 (CS), 10 on 27/3 (PCL), c.250 on 7/5 (AM). Little Waihi E, 50 on 27/3; Tarawera R mouth, 15 on 3/7, 5 on 25/2 (2 adults, 3 juvs), c.200 on 27/11, at least 20 of these were newly fledged juvs and the flock had doubtless just left the colony on the Rurima Rocks to avoid the northeast storm that began blowing up today (PCL), 17 on 23/4 (RMW). Rangitaiki R mouth, 200 on 3/7, 100 on 20/8, most in fine breeding dress including rosy flush (PCL), c.450 on 11/9 (RSC, CJ), c.30 including 2 recently fledged juvs just come ashore from Rurima I colony on 27/11, 20 on 23/4 (PCL). Port Ohope Spit, only 3 on 27/11, the breeding colony had recently been disrupted by motorcyclists (WMH, PCL). Waioeka E, 70 on 3/7, 24 on 27/11 (WHS). Motu R mouth, a large flock on 16/10 (RJP), c.40 on 22/11 (WHS). Whangaparaoa B, 30 on 8/11/87 (KOW). [Wg] Wanganui R mouth, 650+ assembling at dusk on 22/4/88 (PFB). [M] Manawatu E, c.450 on 28/1, c.500 on 29/3 (JLM, MM). [HB] Tukituki E, 130 with Black-billed Gulls at usual nesting site on 1/10 (FET, JRP), 49 on 6/11 (OSNZ census), no large nesting colony found in 88/89 summer (KVT), 1 pair courtship feeding on 11/6 (MPT, PWT). Black Reef, Cape Kidnappers, a few nests in summer; Waimarama, 300+ on 16/2, no imm present (KVT). Aramoana-Pourere, 27 on 24/1 (TAS). Porangahau E, 86 on 13/11 including a few nests (OSNZ census). [W] Wellington H, Ngauranga, max c.100 on 19/1 (JLM, MM).

#### SOOTY TERN *Sterna fuscata*

[A] Whatipu B, 1 dead on 22/6/88 (JED). [W] Waikanae B, 1 in adult plumage with outer tail feathers growing, dead 1 week on 31/12/82 (AJT).

#### WHITE-CAPPED NODDY *Anous minutus*

[FN] Three Kings Is, 1 seen on 13-14/5 (GL).

#### NEW ZEALAND PIGEON *Hemiphaga novaeseelandiae*

[A] Wenderholm, near Waiwera, 9 nests Oct-May, all failed; 300+ birds present during winter ripening of tairare fruit in 1989 (RJP). [Wk] Pirongia West RD, 1 asleep on road just before dawn on 6/9 (ASR). [BP] Aongatete Lodge, 3 on 2/3 (KLB). Rangiuru School grounds, 3 in puriri tree on 2/3 (RL). [Wg] Puketotara Hut, Whanganui NP, 24 between 17-24/2 (RS). L Virginia, Wanganui, pair nesting on 15/10 (CCO). Wanganui city, 2 on 12/6 (GR). [HB] Kaweka and Kaimanawa FP, none seen during 6 day tramp in mid-Jan (TAS). Taradale, 1 feeding on new growth of Hoheria in town garden on 8/9 (TAS). Havelock North, 1 feeding on plums in urban garden

on 7- 8/11; so overloaded it seemed it would have difficulty flying. Several seen together in garden in another street in early Dec (FET). Te Awanga, 4 flying around tops of Lombardy poplars on 24/2; 1 seen several times feeding on cabbage tree berries in village garden (BMT). [W] Lower Hutt, Whaiwhetu, 2 on 11/12, 1 on 16/12; Eastbourne, Days Bay, 2 on 5/11 (JLM, MM).

#### ROCK PIGEON *Columba livia*

[A] Rocky I (by Moturekareka I), 1 seen flying around island and out from under karo shrubs; a nest of twigs was found on the ground on 15/10 (AJT, GAT). [T] Moturoa I, Sugar Loaf group, nesting in Jan, hundreds of pigeons seen to fly out and roost on island on 2/5 (GAT, CW). [HB] Ahuriri E, 43 on 17/6; East Clive- Tukituki E, 19 on mudflats at low tide on 9/7 (OSNZ census). Meeanee, 35 feeding among young dairy cattle on 11/7 (KVT).

#### MALAY SPOTTED DOVE *Streptopelia chinensis*

[SA] Mataitai, 1 on 25/6 (PFB, CH, PS).

#### WHITE COCKATOO *Cacatua galerita*

[A] Albany, 1 on 1-4/3 (KM). Cascades Park, Auckland, flock of 13 in Sept (G. Wiltmer per MJT). Jonkers RD, Waitakere, flock of c.12 resident in area on 11/1 (JES). Forest Hill RD, Waitakeres, 1 from 12/1 to 1/2, easily avoiding mobbing Magpies (ACR). One Tree Hill, Auckland, 2 on 5/11 (DGB). Bush RD, Oratia, pair present Dec (LS). [SA] Karaka, 2 on 28/8, seen again on 10/9 (T. Bagrie). Workman area, Hunua Ranges, pair has been present for several years (H. and P. Mitchell). Wairamarama, 83 coming out of the bush towards evening on 11/2; had not formed the usual large flock on 3/6. They are reportedly being caught in the district (DMW). [Wk] Glen Massey, 14 flying on 13/10 (PMB). [BP] Rangiuru School grounds, 4 seen on 14/7, they were heard the day before; 3 on 1/5 (RL). [Wg] Fordell, Wanganui, 5 on 5/6; Turakina Valley, 11 on 7/5 (GR). [HB] Havelock North, 2 in pine/ eucalypt plantation on Te Mata Peak RD in Jan (OSNZ group). Not known to breed in district (MTC). Te Awanga, 1 seen flying towards Clifton on 14/2 (BMT). [W] Korokoro Reservoir, Petone, 6 on 25/1 (AM, JW).

#### GALAH *C. roseicapilla*

[A] Pakihi I, 5 in flight on 28/8 (JMc). Otau Mountain RD, Clevedon, report of 8 in flight around Feb, also several individual sightings (AJG). [Wk] Ginn's RD, Rotowaro, 1 reported to DMW on 23/4.

#### KAKA *Nestor meridionalis*

[FN] Coopers B, Rangakipiti Hill, 1 on 2/4 (Z. Hall per PA). [N] Matapouri, 1 on 16/6, feeding on nikau berries (PA, GNB). Titoki, 1 on 19/6, feeding in totara tree; Waikaraka, near Whangarei. 2 on 20/5, feeding in puriri and flame trees (PA). Bream Head SR, 1 heard on 3/2 (GRP, PA). Whangarei Heads, 1 on 3/1 (PA). Otaika Valley RD, 1 in early April (PA, A. Randell). [A] South Kaipara Head, 3 in Sept (CE). Wenderholm, near Waiwera, many sightings of 1-2 birds in autumn and winter (RJP). Tiritiri I, 1 present during 14-16/4 (MG, OSNZ group). Wade R, near Whangaparaoa Pen, 3 flew over, calling on 29/12 (MT). Titirangi, Auckland,

1 regularly visiting garden in Nov (M. Maingay per MJT), 1 in garden on 8/5 (R. Clarke per MJT). Howick, pair present in nearby bush on 19/11 (HA). [SA] Sightings of single birds from Manukau Heads in Jan (SCR, VMR); Ponga RD, Papakura on 15/4 (F. Thompson); Stratford RD, Manurewa on 13/9 (bird was present for 2 months) (JET); Clevedon on 15/10 (B. Duder) and on 13/1 (AJG); Onewhero on 12/8 (DMW). Port Jackson, 5 seen flying overhead in direction of Fletcher Bay (east of Cape Colville), on 6/4. Two seen in flight in same direction next morning (GAT, SLT). Moehau, Coromandel, 2 on 15/4 (G. Jones to DAL). [Wk] Waingaro, 2 km north of springs on farm, several occasions in March, associating with Mynahs (RSS). Silverdale, Hamilton, 2 in orchard June-Sept (ASR *et al.*). Mangakino Rd, Raglan, 1 in 1 ha fenced bush on 13/12 (EMA). [BP] Rangiuru School grounds, 1 seen frequently between 12/7 and 22/9 (RL). Thornton, 3 (2 adults, 1 sub-adult?) feeding in kiwifruit orchard on 19/8 (RMW). [VP] Kaimanawa FP, 4 seen between 26/12–20/1 (TAS). [Wg] Waitotara Conservation Area, Puteore Hut, 2 on 3/2 (GBH). [HB] Kaweka FP, 8 seen between 26/12–20/1 (TAS). [Wr] Ruakokoputuna, Haurangi FP, 2 seen in beech forest in May (SJW).

#### CRIMSON ROSELLA *Platycercus elegans*

[W] Denton Park, Wellington, 2 imm birds on 18/3 (DS, MS).

#### EASTERN ROSELLA *P. eximius*

[FN] Kerikeri, 7 on 16/5 (CMM, CAF). [SA] Clevedon, first 'bell' song on 16/5 (AJG). Papaaroha, Coromandel, 5 on 24/7 (CMM). [T] Near Kaitake Ranges, Egmont NP, reported present in small numbers (DGM). [W] Paraparaumu, 1 on 2/9 (PS, AJT). Plimmerton, report from C. Hooker (Rays Rd) of 2 in garden during March (JLM, MM).

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

[A] Wenderholm, near Waiwera, 1 sighting and 2 unidentified parakeets heard on separate occasions from Dec-Feb (RJP). Jonkers RD, Waitakere Ranges, 1 outside an aviary on 12/1 (JES). [VP] Kaimanawa FP, 9+ seen from 26/12 to 20/1 (TAS). [HB] Kaweka FP, 3 seen and others heard in beech forest in upper Ngaruroro R valley from 26/12 to 20/1 (TAS). Mohi Bush, Maraetotara, 1 parakeet heard on 15/3 during westerly gale. The next day, a local farmer bought along the head of Red-crowned Parakeet that had been caught by his cat. Previously, no wild birds had been seen or heard in that region and there are no aviary birds in the district (HAR).

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

[M] Tiritea, near Palmerston North, 6 feeding among acacia trees on Old West RD on 24/3. Flew off, calling, towards Tiritea Watershed Res (BDJ, AJ); 3 flying on Tiritea RD on 29/4 (TFR).

#### SHINING CUCKOO *Chrysococcyx lucidus*

[N] Whangau Bay, near Ngunguru, 1 on 29/1 (JBW, MR). Denby Golf Course, Whangarei, 2 on 10/1 (GNG). Onerahi, Whangarei, first calls heard on 15/9 (PA). [A] Henderson, 1 hit motorbike helmet while riding along West Coast RD on 26/2 (SD). Forest Hill RD, Waitatua, 1 juv being fed by Grey Warbler, perching on powerlines on 8/2 (ACR). Auckland Domain, 1 on 9/9 (AJT). Auckland city, heard on 20/9 in Sunhill (ME),

and St Heliers on 22/9 (GJE). [SA] Clevedon, first song on 26/9 (AJG) and 28/9 at Papakura (BB). Coromandel township, 1 on 9/9/85 (CMM). [Wk] Glen Massey, 1 calling on 14/9 (PMB). Hamilton, 1 in grapevine (feeding on vine caterpillars?) in garden on 13/1 (FN), 1 feeding in tanekaha tree, 23-25/1 (PCC). [BP] Papamoa, 1 in garden on 16/10 (only the second occurrence) (PCL). [VP] Kaharoa, Aislabie Block, 3 seen, others heard on 6/11; 2 of these birds were a pair, one feeding the other on caterpillars (KLB, PCL). [T] New Plymouth area, first heard at Okato on 15/9 (AE). Barrett Lag, New Plymouth, 1 well-grown juv on 14/1 being fed by Grey Warbler (DGM). [Wg] Wanganui, first heard on 5/10/87 and 15/10 (PFB), 1 on 3/10 (CCO). [M] Foxton B, 1 heard on 12/11 (JLM, MM). [HB] Kaweka/Kaimanawa FP, heard calling in all areas in Jan (TAS). East Clive, 1 bird with very short tail and ruffled appearance seen on 10/9, an early sighting for this district. Bird seemed inactive, perhaps affected by gale force winds in the days preceding the sighting (BS, FET, JRP). [W] Eastbourne, Williams Park, 1 on 5/11 (JLM, MM).

#### LONG-TAILED CUCKOO *Eudynamis taitensis*

[A] Golf RD, Muriwai, heard calling several times in exotic plantations on 28/10 (BS). Meadowbank, Auckland, 1 in gardens on 5/10 (reported to GJE). Mt Eden, Auckland, 1 on 28/2 (JPo). [SA] Otua, near Waiuku, 1 reported early Feb (DAL). [VP] Kaharoa, Aislabie Block, 1 seen, others heard on 6/11 (KLB, PCL). [Wg] Puketotara Hut, Whanganui NP, several heard between 17-24/2 (RS). [HB] Kaweka FP, 2 seen and others heard, mid-Jan (TAS).

#### MOREPORK *Ninox novaeseelandiae*

[N] Poor Knights Is, none heard or seen on both main islands during a visit from 3-12/3 (GRP). [A] Motutara I (by Moturekareka I), 1 heard at night on 30/7 (GAT, AJT). Ellerslie, Auckland City, heard calling in July (GJA, NCP). [Wk] Cambridge, 1 heard in garden in evening on 23/6 (BHS). Pekanui RD, Pirongia, 1 on roadside (feeding?) on 6/9 (ASR, JMR). Tunawaea RD, Rangitoto Range, 5 on 24/9 (BHS). [Wg] Sandfly Pt, Wanganui R, heard on 7/5 (GR). [HB] Havelock North, 1 calling throughout nights during summer-autumn in residential area (MTC).

#### SPINE-TAILED SWIFT *Chaetura caudacuta*

[A] Tiritiri I, 2 flying around lighthouse on 11/11 (BW). Mangere, Auckland, 2 on 2/5 flew off towards One Tree Hill (KB). [W] Te Horo, 1 beach-wrecked on 27/12 (RGP, HAR).

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

[FN] Aupouri dune lakes, numerous on 19/3 (MH). [N] Onerahi, first heard calling on 2/8 (PA). Waipu E, 1 from 31/12 to 3/1 (MT, TR). [A] Orakei, Auckland, 1 on 8/11 robbed a Blackbird of a worm that it had just caught (MJT). [SA] Hill RD, Manurewa, 1 trying to enter Starling's nest box on 6/10, did not persist, but investigating again with much squawking on 8/11 (JVD). [Wk] Karapiro, bird dug 3 holes in one area, all too wet, before digging 4th hole in drier area in Sept-Oct; 2 young fledged late Jan, plus 2 infertile eggs (TBT). [BP] Papamoa, the first for the winter in my garden seen on 5/3 (PCL). [G/W] L Whakamarino, near Tuai, 1 on 17/10

(KOW). [HB] Ahuriri E-Westshore, 35 on 9/7, 3 on 6/11, 29 on 17/6; Porangahau E, 2 on 23/7, 6 on 17/6 (OSNZ census).

**KOOKABURRA** *Dacelo novaeguineae*

[A] Warkworth, Kowhai Park, 1 on powerlines across SH1 on 3/11 (MJT, GJA). Wenderholm-Mahurangi Regional Park, several pairs apparently resident, max of 5 birds together in late summer. Feeding on earthworms in late autumn-winter (RJP). Kaukapakapa Valley, 2 in flight and vocalising on 30/7 (MG).

**NORTH ISLAND RIFLEMAN** *Acanthisitta chloris granti*

[Wk] Wairere Falls, Kaimai Range, small group on 13/5 (DJR, AKT). Pirongia, numerous records (seen and heard) from many sites around mountain, including Walter Scott Reserve, Schofield Route and Blue Bull Track. Evidently a considerable increase in this population has occurred (DJR, OSNZ group). [VP] L Okataina SR, present on 10/8/87 (KOW). [W] Eastbourne, Williams Park, a pair feeding chicks in nest on 5/11 (JLM, MM).

**SKYLARK** *Alauda arvensis*

[SA] Clevedon, no longer present in the immediate area (AJG).

**WELCOME SWALLOW** *Hirundo tahitica neoxena*

[FN] Aupouri dune lakes, 4 on 28/1 (MH). [A] Te Haupa I, 1 flew out from overhanging ledge on cliff-top, probably nesting on 16/10 (AJT, GAT). [BP] Kaituna Cut, Maketu, 30 hawking about the lagoon on 1/10, c.100 on 26/11 and c.50 on 27/3 (PCL). Tarawera R mouth, c.50 on 25/2 (PCL). [VP] Mangorewa Gorge, near Kaharoa, a number of pairs in the gorge on 24/9, presumably nesting in the cliffs (PCL). L Rotowhero, Waitapu, c.1000 flying above lake in March (RSS). Kaimanawa FP, 7 at confluence of Kaipo R and Oamaru R on 16/1; 5 at Boyd Lodge on 18/1 (TAS). [HB] Ahuriri-Westshore, 48 on 9/7, 24 on 6/11, 41 on 17/6; Waitangi, 13 on 9/7, 18 on 6/11, 9 on 17/6; East Clive-Tukituki E, 66+ on 9/7, 12 on 6/11, 30 on 17/6 (OSNZ census).

**NEW ZEALAND PIPIT** *Anthus novaeseelandiae*

[N] Bland Bay, 1 on 28/2 (BHS). Hen I, 2 from 6-10/6 (AJT, TG, PH). [A] Te Arai Pt, 1 on a metal road on 9/7 (MJT). Muriwai B, 1 pair feeding fledgling hidden in grass above the beach on 8/1 (MJT). Waiheke I, 4 seen 15-16/10 (OSNZ group). [VP] Kaharoa, 1 on track into Aislabie Block on 6/11 (PCL). [T] Strathmore Saddle, inland of Stratford, 1 on 24/9 (DGM). Tahurangi Lodge, Egmont NP, 1 on 22/3 (WBM). [HB] Kaweka/Kaimanawa FP, many pipits on eastern slopes of mountains during Jan (TAS).

**HEDGESPARROW** *Prunella modularis*

[N] Onerahi, first calling heard on 19/8 (PA). [A] Wenderholm area, near Waiwera, present in forest and surrounding scrubland. Inconspicuous, except during spring singing (RJP). [BP] Papamoa, males singing rather half-heartedly in dunes on 23/7; song a little longer and more spirited, especially during sunny spells on 30/7; 1 "peeping" on powerline on 24/4; Kaituna Cut, Maketu, 1 seen on 11/9, birds heard on 1/10, 2 males singing on 30/10; Matata, 3 or 4 heard "peeping" in boxthorn thickets on dunes on 23/4 (PCL).

[VP] Kaimanawa FP, 2 on 15/1 at Kaipo swing bridge area (TAS). [Wg] Wanganui, 1 singing on 24/7/87 (PFB). [HB] Hastings-Havelock North, not numerous but present in some urban and semi-urban areas (OSNZ group). [W] Mana I, 40 on 3/7, 24 on 18/2, 41 on 20/5 (AJB).

**FERNBIRD** *Bowdleria punctata*

[FN] Te Paki Trig track, 2 on 11/10; Paua, 2 in rushes and manuka on 13/10; Ahipara gumfields, 1 seen, others heard on 14/10 (BHS). [A] Pollen I, Waitemata H, 1 seen, 12+ heard in shrubland behind shellbank on 28/10 (DGB, VJL, DF). [Wk] L Ngaroto, 3 on 18/6 (FN). [BP] Welcome Bay, near Maungatapu, 2 seen, others heard on 4/3 (KS). Matata, 2 seen flying just above the tops of marsh ribbonwood, others heard on 25/2 (PCL), 1 seen on seaward side of western lagoon on 23/4; Nukuhou R, Ohiwa H, 4 in scrub on 6/5 (RMW). [T] Potaema Bog, Egmont NP, 1 on 2/1 (WBM). [Wg] Harakeke Forest (Blythes area), Wanganui, 2 on 29/7 (GBH), 8 on 11/6 (GR). L Moumahaki, Waverley, heard on 22/1; Santoft Forest, Waimahora swamp, 2 on 24/2 (CCO). [M] Waiouru, Irirangi swamp, 6 on 22/5; Upper Moawhango, 4 (at least) heard on 24/2 in 2m manuka/red tussock by pond and swampy stream (Kaimaikuku Stm)-NZMS1 N122/294539, c.950 m asl. First ever found in army lands of the Moawhango (intermittent survey since 1972) (CCO). [HB] Waipatiki, 1 on 22/11 in manuka/blackberry thicket at foot of steep hill on road to beach. No previous reports from this area (BDH, HAR).

**WHITEHEAD** *Mohoua albicilla*

[BP] Otanewainuku, 2 parties seen feeding and a probable breeding pair heard on 15/10 (PCL, NAS). [VP] Mangorewa Gorge, near Kaharoa, a number of birds seen and heard on 10/7 (PCL, NAS). [T] Egmont NP, over recent years numbers have increased in the Park and adjoining bushed areas (DGM). [VP] Kaimanawa FP, 5 on 15/1 near Kaipo swing bridge; others between Oamaru Hut/Boyd Lodge on 17/1 (TAS). [Wg] Wanganui, Atene Skyline walkway, heard on 23/4 (GR). Kaiwi Junction RD, heard on 4/9 (CCO). [W] Eastbourne, Williams Park, several heard on 5/11 (JLM, MM).

**GREY WARBLER** *Gerygone igata*

[FN] Te Paki Trig track, numerous on 11/10 (BHS). [N] Poor Knights Is, none seen or heard during visit to main islands from 3-12/3 (GRP). [SA] Hill RD, Manurewa, 1 sang 35 bursts of song, each with 3 or 4 trills, for ten minutes on 25/8 (JVD). [Wg] L Mangawhio, Waitotara, 6 on 29/4 (GR).

**FANTAIL** *Rhipidura fuliginosa*

[N] Poor Knights Is, very scarce during visit from 3-12/3 (GRP). [Wk] Claudelands, Hamilton, 1 with brilliant white tail in July (WIR). [BP] Papamoa, the first in my garden this winter on 27/3 (PCL). [VP] L Tamurenui, Kawerau, 21+ on 3/7 (KOW). [T] New Plymouth, 1 black phase present 2-9/1 (DGM). Lepperton, 1 black phase on 7/5 (WBM). [Wg] Harakeke Forest, Wanganui, 9 on 9/7 (GR). [M] Levin, 1 black phase in kiwifruit orchard on 24/5 (MO).

**PIED TIT** *Petroica macrocephala*

[FN] Diggers Valley/Herekino, 1 female on 7/5 (MH). Puketi SF: Pirua Ridge, 2 on 13/3; Walnut Track, 6 on 12/3 (JBW, MR). [N] Punaruku,

near Whangaruru H, 1 on 5/3 (JBW, MR). Glenbervie SF, 3 heard on 21/10, 1 was in pines (PA). [A] Dome Valley, seen near summit on 4/4 (B. Whitten per MJT). Waitakere Ranges, 36 noted in high forest and scrub during survey on 17/9 (OSNZ group). Cornwallis Pen, Auckland, 2 seen, others heard on 30/5 (CJ). [BP] Matakana I, west end, 1 male on 15/12 (BC). [Wg] Puketotara Hut, Whanganui NP, 2 between 17-24/2 (RS). L Mangawhio, Waitotara, 8 males, 4 females on 29/5; Wanganui, Atene Skyline walkway, 5 males, 1 female on 23/4 (GR). Kaiwi Junction RD, 4 on 4/9 (CCO). [W] Eastbourne, Williams Park, 1 singing on 5/11 (JLM, MM).

#### NORTH ISLAND ROBIN *P. australis longipes*

[Wk] Wairere Falls, Kaimai Range, 1 near fall's top on 13/5 (DJR, AKT). Rangitoto Ranges, good numbers in full song 0445 hours onwards on 24-25/9 (RWD *et al.*). Pureora SF, birds heard singing on Aritiki RD and at Waihora Lag on 21-23/10 (RG, GPG). [BP] Aongatete Lodge, 1 seen in bush near lodge on 2/3 (KLB). Otanewainuku, 1 pair seen together and c.6 males singing on the Loop Track, also c.6 males singing on the Mountain Track on 15/10 (PCL, NAS). [VP] Kaharoa, Aislabie Block, 3 or 4 males heard on 6/11 (KLB, PCL). Kaimanawa FP, 1 at Boyd's Lodge, Ngaruroro Valley on 18/1 (TAS). [T] Whangamomona Saddle, 1 nearby on 24/9 (DGM). Moki SF, numerous on 15/4; Miro and Uruti SR, present on 15/10 (WBM). [Wg] Puketotara Hut, Whanganui NP, 2 between 17-24/2 (RS). L Mangawhio, Waitotara, 1 on 29/5 (GR). Kaiwi Junction RD, 1 on 4/9 (CCO).

#### SONG THRUSH *Turdus philomelos*

[N] Onerahi, first full song on 1/5 (PA). [A] Auckland, singing on 6/5 (MG, SG). [SA] Papakura, first song on 18/4 (BB). Clevedon, still singing strongly on 22/1 (AJG). [BP] Papamoa, 1 in full song, despite cold southerly showery weather on 27/5 (PCL). [HB] Havelock North, thrushes were missing from village gardens for several months in winter '88, but reappeared in numbers in spring (FET). Same happened in Hastings. Birds did not leave in winter '89 (MTC). Hastings, whispering song heard on 4/3 (KVT).

#### BLACKBIRD *T. merula*

[N] Onerahi, first full song of season on 25/7 (PA). [A] Motutara I, female seen taking ripe fruit of houpara on tree, and both sexes were taking fruit that had fallen on the ground on 27/6 (GAT). Auckland city, heard singing on 26/6/88 (MJT). [SA] Clevedon, nesting material being carried on 10/1 (AJG). [Wk] University of Waikato, 1 with white head on 10/3 (PCC). [BP] Arataki, Mt Maunganui, a young bird (of the season?) singing in rather disjointed fashion but not untuneful from 23-26/11 (AM). [HB] Hastings, male on 15/7 briefly attacking own reflection, top window of two-storeyed city house (KVT).

#### SILVEREYE *Zosterops lateralis*

[N] Poor Knights Is, none heard or seen during visit to main islands from 3-12/3 (GRP). [A] Motutara I, flock present in houpara trees, 3 seen picking at the ripe fruit on 27/6 (GAT). [SA] Hill RD, Manurewa, 19 bathing together on 28/4 (JVD). [HB] Hastings, 1 on 18/7 pulled out a leaping spider's nest in the garden and with some difficulty swallowed all the nest (KVT).

#### STITCHBIRD *Notiomystis cincta*

[N] Hen I, 6 males, 1 female found in survey from 6-10/6. Males seen eating kohekohe flowers and mapou berries (CHO, AJT, TG, PH).

#### BELLBIRD *Anthornis melanura*

[N] Urquharts Bay, Bream Head, 1 heard on 12/3 (PA). [A] Pt Wells, Omaha, 1 reported by M. Nicholson (per SPC). Tiritiri I, seen feeding on kohekohe nectar on 4/6 (DGM). Waiheke I, 5 females and 6 males released onto island on 13/5/88. The birds were caught in Kaingaroa Forest by Department of Conservation staff. [SA] Moumoukai RD, Hunua Ranges, 1 visiting flax in garden on 11/1 (H. Mitchell). Waharau, north of Kaiaua, heard on 30/1 (DJA, PJA). [Wk] Widespread in forests, seldom seen in settled areas (OSNZ group). Karioi, near Mt Ruapehu, 2 seen, others heard on 4/7 (BAW *et al.*). [BP] Otanewainuku, 1 seen, many heard on 15/10 (PCL, NAS). Kawerau, seen and heard regularly in the township now (RMW). [VP] Mangorewa Gorge, near Kaharoa, 2 seen, many more heard on 10/7 and 24/9 (PCL). [Wg] Wanganui, Atene Skyline walkway, 7 on 29/9 (GR). Kaiwi Junction RD, 1 on 4/9 (CCO). [M] Massey University, Palmerston North, 1 heard on 23/9 (JLM, MM). [HB] Kaweka FP, present in significant numbers in Jan (TAS).

#### TUI *Prosthemadera novaeseelandiae*

[A] Motutara I (by Moturekareka I), at least 2 present feeding from karo flowers on 30/7; 4 chasing and displaying in grove of houpara, eating ripe fruit on 27/6, 1 Tui chased off a male Blackbird as it approached the houpara grove (GAT). Wenderholm, near Waiwera, present throughout the year and conspicuous during flowering periods of flame trees and kowhai. Max count of c.200 on flame trees along Wenderholm RD in October (RJP). [SA] Kawakawa Bay, only 50 in G. Richardson's flowering kowhai on 18/9, a dull showery day. This extensive grove usually attracts very large numbers of Tui from far afield (OSNZ group). [Wk] Hamilton, 1 on 2/3 (PCC). Cambridge, 1 heard in kowhai/kauri trees on 23/6 (BHS). Seldom seen away from forested areas in this region. [BP] Katikati, 1 feeding in kowhai on 30/8 (PCL). Aongatete, a number seen and heard on 2/3 (KLB). Otanewainuku, 1 seen, many heard on 15/10 (PCL). Rangiuru School grounds, 2 on 28/10, 4 in puriri on 7/4 (RL). [VP] Mangorewa Gorge, near Kaharoa, numerous, feeding on nectar from rewarewa and *Alseuosmia macrophylla* on 24/9 (PCL). Kaharoa, Aislabie Block, numerous on 6/11 (KLB). [Wg] Wanganui city, 2 on 7/5 (GR). [HB] Kaweka FP, heard in beech forest at high altitude (1480 m) around Manson Hut on 19/1 (TAS). [W] Lower Hutt, Whaiwhetu, 1 from 11-29/7; Eastbourne, Williams Park, 10+ heard on 5/11 (JLM, MM).

#### YELLOWHAMMER *Emberiza citrinella*

[FN] Motuopao I, first song heard on 27/9 (PA). [SA] Clevedon, first song on 26/9 (AJG). [HB] Fernhill, a huge flock, with Greenfinches, feeding among corn stubble, late May (MTC).

#### CHAFFINCH *Fringilla coelebs*

[A] Motutara I (by Moturekareka I), giving almost full song on 30/7 (GAT). Auckland City, full song on 31/7 at Parnell (EGT), 2/8 at Mt Eden (GAT). Puketutu I, full song on 29/7 (RBS). [SA] Clevedon, first full song

on 26/7 (AJG). [Wg] Wanganui, 1 singing on 3/8/87 (PFB). [HB] Tukituki R, 2 hawking insects over water on 21/11 (KVT). [W] Central Wellington, a male feeding on 4th floor carpark at Wellington Trade Centre Building on 17/8 (JLM, MM).

#### GREENFINCH *Carduelis chloris*

[A] Auckland Domain, 150 on field on 9/9 (AJT). [SA] Clevedon, first long calls on 12/9, also calling for a week from 24/4 (AJG). Keri Hill, Papakura, feeding on lawsoniana seed on 24/4 (JGM). [BP] Katikati, first song heard on 30/8 (PA). Kaituna Cut, Maketu, a flock of 10 on 30/10 (PCL). [M] Ohau, market gardens: mixed flocks of 400-500 passerines which feed on weeds on fallow land in winter usually consist of c.20% Greenfinches. This year only 1 Greenfinch was seen (MO). [HB] Aramoana-Pourere, 35-40 on 24/1 (TAS).

#### GOLDFINCH *C. carduelis*

[Wk] Karapiro, several occasions in early May observed examining and sitting in old nests. One nest definitely Goldfinch-made. Silvereyes sometimes seen doing the same thing (TBT). [BP] Papamoa, a flock of c.100 on 11/9; Kaituna Cut, Maketu, a flock of c.30 on 30/10 (PCL). [HB] Southern Marsh, Westshore, large flock in salicornia at edge of brackish lagoon on 6/5, first real flock seen this winter (MTC). Napier, 1 eating green rosemary seedheads on 6/8 (MPT, PWT).

#### REDPOLL *C. flammea*

[N] Silverstream RD, Maunu, 1 on 5/11 (AHG). [BP] Matakana I, west end, 5 on 15/12 (BC). [Wg] Harakeke Forest, Wanganui, 1 on 9/7, very brightly coloured male washing in puddle (OCT, CCO, RS, GR). [HB] Hastings, 2 in city garden in early '89 and often seen at garden nursery bordering Hastings (BS). Havelock North, 2 feeding on cosmos in urban garden on 18/3 (FET). Only occasionally sighted in urban gardens in past. These and other sightings suggest populations are increasing in the district (MTC).

#### HOUSE SPARROW *Passer domesticus*

[SA] Manurewa, waiting 'like skuas' to take food from Silvereyes bills as they flew from feeding station on 18/1 (JET). [Wg] Springvale, Wanganui city, 1 partial albino on 5/6, resident for about 18 months (GR).

#### STARLING *Sturnus vulgaris*

[SA] Clevedon, imitating fledgling Rosella calls on 22/12. This continues to be a favourite song from nest box near house (AJG). [Wk] Hamilton, Anglesea St, 1 partial albino on 8/9: head, neck, upper breast white, dark tips to a few feathers, dark eye patch. Primaries, rump, tail, legs above tarsus white (ASR, JMR). [T] Moturoa I, Sugar Loaf group, tens of thousands of starlings roosting on island on 2/5. The canopy of every taupata shrub was densely covered with birds by nightfall (GAT, CW). [HB] East Clive, 1 partial albino with greyish white wings, brown head and breast on 5/11; Hastings, 3 eating cabbage tree berries on 4/3 (KVT).

#### INDIAN MYNA *Acridotheres tristis*

[W] Tawa, 1 on 1/11 (MP), still present on 9/4 (DS).

#### NORTH ISLAND SADDLEBACK *Philesturnus carunculatus*

[A] Tiritiri I, pairs are suffering chick loss to Mynahs in Jan (RW). [SA] Red Mercury I, 31 pairs seen on two transects, widespread and abundant from 15-21/3 (GAT).

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

[Wk] West Pirongia RD, pair singing on 23-24/10; 1 giving mew calls, single notes, once 3 notes on 18/1. Flapped wings tremulously while calling (WIR). Hauturu RD North, 1 heard on 3/9 (ASR). Tunawaea Stream, Rangitoto Range, 2 seen calling 0645 hours on 25/9. Ceased when 5 Magpies flew in (RWD *et al.*). Owawenga Ridge, Pureora SF, 3 heard 1115 hours on 24/9 (RWD *et al.*); 2 heard before 0700 hours on 25/9, ceased when 6 Magpies flew in (JMR *et al.*). [T] Moki SF, 3 heard on 9/10, total of 6 on 1/4, 1 on 15/4 (WBM, EW). [Wg] Puketotara Hut, Whanganui NP, birds heard calling between 17-24/2 (RS).

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

[M] Foxton B, 1 on Wylie RD (Foxton-Himatangi) on 27/8 and 8/4 (JLM, MM).

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

[FN] Te Paki Farm Park, 1 in front paddock on 14/2; Near Te Paki Station, 1 on 11/10 (BHS). Parengarenga, 2 on 16/4, new species in this area (RJP, VH). [T] New Plymouth, 1 killed by stoat on 17/10 (WBM).

#### ROOK *Corvus frugilegus*

[A] Pt Chevalier, Auckland, 1 reported on 26/2 (BJG). [SA] Clevedon, reported to have first appeared around April '88. Seven seen on 21/12 in vicinity of a tall eucalypt and macrocarpa shelterbelt on river flats. In June, 1 dishevelled bird took up residence in an oak tree in the village, where local residents fed it; it was later joined by a second bird (AJG). Miranda, 95 on 10/5, 35 flying in leisurely circles and 60 feeding on paddock south of Pukorokoro Creek (AJG). [M] Moutoa, 2 juvs on 10/9 (JLM, MM). [HB] Aramoana-Pourere, 48 on 24/1 (TAS). Porangahau E, 37 on 23/7 (OSNZ census). [Wr] Pirinoa, 88 on 18/6 (HAR). [W] Lower Hutt, 1 on 13/4 (KO).