

be found nesting in numbers from two to six on rocky seaward localities southward to Gisborne.

[Mr Phillipps' notes draw attention to the need for collecting, before it is too late, all possible information about muttonbirds which bred or are still breeding on the coastal headlands or inland in the ranges of the North and South Islands.

The term 'muttonbird' is a loose one; and on the outer islands of the Hauraki Gulf and the Bay of Plenty certainly once included as well as the Grey-faced Petrel (*Pt. macroptera*), the Black Petrel (*Pr. parkinsoni*) which was taken on Little Barrier, the Flesh-footed Shearwater (*P. carneipes*) and not improbably Buller's Shearwater (*P. bulleri*), the Fluttering Shearwater (*P. gavia*) and Cook's Petrel (*Pt. cooki*). But if the season for taking the young muttonbirds were November, the victims would in the main be Grey-faced Petrels, with perhaps an occasional Allied Petrel (*P. assimilis*) getting into the bag along with adults of some of the other species mentioned.

It would be interesting to know what were the adult muttonbirds 'taken in November on the Kawhia coast along the Paeroa ridge'. The Grey-faced Petrel is not now known to breed south of Manukau heads. On the Awhitu peninsula S. C. and V. M. Rutherford have searched in vain for evidence of breeding, though the cliffs and cover are suitable.

A careful exploration of old known nesting places and the critical examination of nearby Maori middens might yield bones which would enable the muttonbirds of Pihanga, the Paeroa ridge and other traditional inland sites to be identified. — Ed.]

CLASSIFIED SUMMARISED NOTES

I. G. Andrew, Palmerston North

L. Angus, Greymouth

J. W. Bain, Gisborne

Barlow, Mrs M. L., Mangakino

M. S. Black, Rotorua

A. Blackburn, Gisborne

C. D. Blomfield, Rotorua

Blundell, Mrs M. J., Clevedon

W. J. Broun, Wellington

C. R. Buckeridge, Aotea

Burgess, Mrs N., Onehunga

W. C. Clark, Christchurch

R. Clelland, Arthur's Pass

Couldrey, Mrs E. M., Maraetai

D. E. Crockett, Christchurch

M. P. Daniel, Waerenga

J. C. Davenport, Auckland

E. W. Dawson, Christchurch

E. Dear, Kopane

R. T. Duder, Clevedon

Dunedin N.F.C.

R. A. Falla, Wellington

M. Fitzgerald, Gisborne

C. A. Fleming, Wellington

R. E. W. Fordham, Rotorua

Gardner, Rev. W. M., Thames

F. E. Gee, Rotorua

Gillespie, Miss K. M. P., Titirangi

Goodwin, Miss A. E., Clevedon

Goodwin, Miss A. J., Clevedon

Harbour, Mrs E. H., Waipori Falls

B. D. Heather, Otahuhu

A. C. Hipwell, Auckland

M. Hodgkins, Tauranga

J. R. Jackson, Christchurch

R. Kidd, Te Kopuru

F. C. Kinsky, Wellington

P. W. Law, New Plymouth

T. G. Ledgard, Otahuhu

Macdonald, Miss N., Howick

G. K. McKenzie, Clevedon

McKenzie, Mrs H. M., Clevedon

H. R. McKenzie, Clevedon

D. Medway, New Plymouth

D. Merton, Gisborne

R. H. Michie, Kaitiaki

W. L. Moisley, Clevedon

G. J. Moon, Warkworth

J. Munden, Hokitika

A. J. Peart, Ardmore

C. Peart, Raglan

J. G. Penniket, Kokuri

O. Petersen, Auckland

Prickett, Mrs A., Auckland

J. Prickett, Auckland

M. R. Roberts, Rotorua

R. V. Roberts, Wellington

J. W. St Paul, Moumoukai

R. St Paul, Minginui

Sansom, Mrs O., Invercargill

H. L. Secker, Wellington

D. J. Shaw, Clevedon

R. B. Sibson, Auckland

G. E. Sopp, Aniwanuiwa

P. A. Stein, Auckland

R. H. D. Stidolph, Masterton

E. G. Turbott, Christchurch
D. A. Urquhart, Karaka
Walker, Mrs L. E., Dunedin
M. A. Waller, South Kaipara

J. Watt, Dunedin
Whittaker, Mrs J. I., Howick
W. A. Williamson, Dunedin
J. C. Yaldwyn, Wellington

N.I. KIWI (*Apteryx australis mantelli*) – Aniwanui, calls heard throughout year (G.E.S.). Heard near junction of Hook Stream and Te Hoe River, Hawke's Bay, August 1957 (D.M.).

DABCHICK (*Podiceps rufopectus*) – Flourishing on the lakes of the volcanic plateau; winter flocks up to 20 not unusual (M.R.R., W.J.B., M.S.B.), c. 24 on 25/6/57 on Hinemaia dam, Taupo. Lake Taharoa, Kawhia, reported present by J. E. Scott (H.R.McK.), Tiniroto, Gisborne, 15/6/57, three on artificial dams (A.B.).

WANDERING ALBATROSS (*Diomedea exulans*) – Auckland - Brisbane, three or four on 11/3/56 off Poor Knights; several jno., Lat. 32 S, on 12/3/56; none, Lat. 30 S, 13/3/56. Tonga - Bay of Islands, June 1957; first seen in Lat. 27 S; up to three daily, no adults, juv. in various stages of mottled plumage, Lat. 27 - 31 S. Off Cape Brett, 14 - 17/6/57 in Lat. 31 S, several, including adults, but no very brown juv. (A.E.G., A.J.G.). 12/12/56, not recorded in Cook Strait between Wellington and Tory Channel (H.L.S.).

ROYAL ALBATROSS (*Diomedea epomophora*) – 12/12/56, not recorded in Cook Strait between Wellington and Tory Channel (H.L.S.).

BLACK-BROWED MOLLYMAWK (*Diomedea melanophris*) – Tonga - Bay of Islands, June 1957, first seen, one in Lat. 28 S; then one or two daily to Cape Brett; inside Little Barrier five to ten on 23/6/57 (A.E.G., A.J.G.). Island Bay, Wellington, 25/11/56, one sub-adult following fishing boat; 12/12/56, not recorded between Wellington and Tory Channel (H.L.S.).

BULLER'S MOLLYMAWK (*Diomedea bulleri*) – 12/12/56, not recorded between Wellington and Tory Channel (H.L.S.). Sandfly Bay, Otago, 10/11/56, several offshore (D.N.F.C.).

WHITE-CAPPED MOLLYMAWK (*Diomedea cauta*) – 12/12/56, 10 seen in Cook Strait between Wellington and Tory Channel (H.L.S.). Kaka Point, Otago, 31/12/56, two (L.E.W.).

GIANT PETREL (*Macronectes giganteus*) – Tonga - Bay of Islands, June 1957, first seen one in Lat. 28 S. Chickens to Rakino, 23/7/57, three (A.E.G., A.J.G.). Ngamutu Beach, New Plymouth, 10 on 29/8/56 (P.W.L.). 12/12/56, c. 50 between Wellington and Tory Channel (H.L.S.). Ocean Beach, c. 50 on 4/1/55 (D.E.C.). Brighton, Otago, seen offshore on 30/8/56 (J.W.).

CAPE PIGEON (*Daption capensis*) – Tonga - Bay of Islands, June 1957, first seen one in Lat. 29 S. Several on 14/6/57 in Lat. 31 (A.E.G., A.J.G.). 12/12/56, three in Cook Strait (H.L.S.). Mt Maunganui coast, two dead on 15/7/57; one on 4/8/57 (M.H.).

FAIRY PRION (*Pachyptila turtur*) – 1/9/56, one on Wainui Beach, Gisborne. (No big wrecks of Prions were reported from the Auckland west coast in the winter of 1957.)

ANTARCTIC PRION (*Pachyptila desolata*) – Waikanae, one just dead on 28/4/57 (C.A.F.).

FLESH-FOOTED SHEARWATER (*Puffinus carneipes*) – Cook Strait, 12/12/56, several (H.L.S.).

BULLER'S SHEARWATER (*Puffinus bulleri*) – One corpse Muriwai, 27/5/57 (B.D.H.).

SOOTY SHEARWATER (*Puffinus griseus*) – 12/12/56, only one seen between Wellington and Tory Channel (H.L.S.). Corpses: Kaipara heads, many in November (M.A.W.); Kawhia, 15 on 30/11/56; Muriwai, six on 27/5/57 (B.D.H.); Mikotahi, New Plymouth, one on 24/8/56

- (D.M.). There is a decreasing breeding colony on Makawhio Point, Westland; for 10 years or so local Maoris have not considered it worthwhile to go muttonbirding there (R.J.).
- TASMANIAN MUTTONBIRD** (*Puffinus tenuirostris*) – One corpse Muriwai on 27/5/57 (B.D.H.). Mt Maunganui, last week December 1956, three dead (M.H.).
- FLUTTERING SHEARWATER** (*Puffinus gavia*) – Hauraki Gulf, 28/4/57, c. 1000 between Ponui and Shag Rock (G.K.McK.). Off Amuri Bluff, 400–500 feeding, December 1956 and March 1957 (D.E.C.). Mikotahi Beach, New Plymouth, two corpses, August 1956 (D.M., P.W.L.).
- GREY-FACED PETREL** (*Pterodroma macroptera*) – Tonga - Bay of Islands, June 1957, small numbers daily from Lat. 27 S, except on 7/6/57. By far the commonest bird till within 60 miles of Cape Brett on 17/6/57, when none was noted (A.E.G., A.J.G.). Muriwai, 27/5/57, 6 p.m., deep dusk, several dozen wheeling and calling loudly over and near the cliffs (B.D.H.). 27/6/57, breeding on islet 30 miles south of Gisborne (A.B.).
- WHITE-HEADED PETREL** (*Pterodroma lessoni*) – Corpses: Mikotahi, New Plymouth, one on 24/8/56 (P.W.L.); Muriwai, two on 27/5/57 (B.D.H.).
- GANNET** (*Sula bassana serratator*) – Ngamotu, New Plymouth, 20 offshore on 30/12/56 (D.M.). Two over breakers at Spencer Park, Christchurch, on 16/2/55 (D.E.C.). Kaka Point, Otago, one on 31/12/56 (L.E.W.). Two just found dead at New Brighton, mid-May 1955, and Taumutu, 12/4/55 (D.E.C., W.C.C.).
- BLACK SHAG** (*Phalacrocorax carbo*) – Young Nick's Head, 12+ large young in colony on 28/8/56 (D.M.). Believed to breed near headwaters of bush streams on volcanic plateau (M.S.B.). Lake Repongaere, Gisborne, 29/6/57, one pair nesting (A.B.).
- PIED SHAG** (*Phalacrocorax varius*) – Ponui Island, 3/6/57, two trees with numerous nests occupied with young from newly hatched to fully feathered. 21/7/57, most nests vacated, but numerous young sitting on logs underneath (M.J.B.). Amuri Bluff, 16 resting in a ngaio, March 1957 (D.E.C.).
- LITTLE BLACK SHAG** (*Phalacrocorax sulcirostris*) – Frequently present in considerable numbers now on Lake Pupuke, Takapuna (J.P., R.B.S.). Howick, 17–22/8/57, 25 to 41 daily (B.P.W.). Maraetai, up to 40 in July 1957; 250+ reported on the sea by J. A. Bell; 12/8/57, c. 200 flying east across Clevedon estuary; 20/8/57, c. 200 (D.J.S., M.J.B., E.M.C., H.R.McK.). Hamilton Lake, 18 on 2/2/57 (R.B.S., H.R.McK.). Volcanic plateau, fair numbers present, but easily the least numerous of the four Rotorua shags (M.S.B.).
- LITTLE SHAG** (*Phalacrocorax melanoleucos*) – The breeding site at Western Springs appears to be abandoned (R.B.S.). Three Sisters, Waiheke, 8/12/56, 12 nests with eggs (M.J.B.). Increasing around Rotorua; breeding in the Kaituna gorge. The white-throated form (*brevirostris*) probably outnumbers the pied form (*melanoleucos*) by ten to three. Hundreds frequent the coastal estuaries to feed and return to the volcanic plateau to roost. On 24/6/57 at Hongi's Track 300+ were counted flying inland at sunset (M.S.B. et al.).
- WHITE EGRET** (*Egretta alba*) – Unprecedented numbers have been present during the winter in many parts of New Zealand from Northland to Southland, and a special report is being prepared. It will include also several records of Little Egret (*E. gatzetta*).
- BLUE HERON** (*Egretta sacra*) – Present on most coastal lagoons and estuaries in the Bay of Plenty (W.J.B., M.S.B. et al.). Fox River mouth, 32 miles north of Greymouth, two in August 1957 (L.A.). Nelson, three on 11/1/57; Aramoana mud-flats, Otago Harbour, two on 20/1/57 (L.E.W.).

WHITE-FACED HERON (*Ardea novaehollandiae*) — Rangaunu Bay, six on 15/10/57 (R.H.M.). Kaipara, one near Kaiwaka on 17/12/56 (R.B.S.); regularly frequenting ponds at South Head (M.A.W.); seven near 'The Run' on 7/9/57 (A.P., J.P.). Whau estuary, Auckland, three on 17/7/57 (J.P.). Silverdale: F. Bartlett reported one young reared in a nest in a pine tree. 24/8/57, broken egg on ground under same tree; later three eggs in the remade 1956 nest (H.R.McK.). Clevedon estuary, nine on 15/5/57; usually odd ones (R.T.D.). Ness Valley road, up to seven on farm during winter of 1957 (W.L.M.). North Road, Clevedon, six on 13/10/57 near river (M.J.B.). Maketu, two on 12/10/57. Matata lagoon, one on 8/8/57 and 7/9/57; still rare in the Bay of Plenty (W.J.B., M.S.B.). Gisborne, Awapuni lagoon, 16/1/57, two; Muriwai lagoon, 19/4/57, two; Lake Repognaere, 12/5/57, one (J.W.B.). Waikato estuary, three on 14/7/57 (B.D.H., O.P.), two on 10/8/57 (A.P., J.P.). Meremere, one on 3/1/57 and for some time later (R.B.S., A.C.H.). Bell Block, New Plymouth, one, August-September 1956; three on 26/1/57 (P.W.L.). Otakeho, Taranaki, five on Farm dam on 19/5/57; single birds often seen. Newell's Lake, Hawera, one on 24/5/57 (B.D.H.). Masterton, reported from several localities; one pair watched at nest in pine tree, October 1957 (R.H.D.S.). Manawatu, common in autumn on dams; 11 at Ashhurst (E.D., I.G.A.). Halswell estuary, Lake Ellesmere, 24 on 26/12/55 (W.C.C., E.W.D.). Heathcote estuary, five on 7/5/55 (W.C.C.). Mt Oxford, pair at the foot, 23/2/57 (D.E.C.). Lower Maita, five in turnips' feeding on slugs', 2/3/57; seven at Titiroa on 26/5/57 (per O.S.).

BITTERN (*Botaurus stellaris poiciloptilus*) — Volcanic plateau, relatively common, probably increasing (M.S.B.). Lake Whakamaru, up to four seen (M.L.B.). Virginia Lake, Wanganui, one on 12/5/57 (D.M.). Kopane, one on 7/1/57, the first seen for many years (E.D.). Several in roadside swamps between Wanstead and Wallingford on 4/2/57 (J.C.Y.). Leithfield, one in flooded pasture with Black-billed Gulls, 21/7/55 (W.C.C.). Lower Maita, quite often seen (O.S.).

ROYAL SPOONBILL (*Platalea leucorodia regia*) — Rangaunu Bay, six on 15/9/57 (per R.H.M.). Helena Bay, one found dead, winter, 1957 (J.P.). Matakana sandpit, Warkworth, one end of May to mid-September (G.J.M.). Kennedy's Bay, one, 18/3/57-12/4/57 (per E.G.T.). Athenree, one present for some time, seen on 13/9/57 (H.R.McK.). Manawatu estuary, maximum 15; 13 in June and July reported (E.D.); 11 on 11/8/57 (M.J.B., M.S.B.); early October, nine; one on 19/10/57 (E.D.). Waimeha Stream, Waikanae, one on 25/3/55; gone next morning (C.A.F.).

CANADA GOOSE (*Branta canadensis*) — Matata, one on 13/9/57 (J.P., H.R.McK.). Omoto, April to August, six; later at Koiterangi (L.A.).

MUTE SWAN (*Cygnus olor*) — Mangaraki Hills, Wairapa, 18/8/57, 15 on dam (F.C.K., M.S.B.).

PARADISE DUCK (*Tadorna variegata*) — Lake Rotorua, irregular visitor; three on 23/4/57 (M.R.R., M.S.B.). Minginui, 1956-57, odd small lots of visitors; Matawai, 18/5/57, 10; Whakaki, up to 350 in early May (R.St.P.). Gisborne, Lake Repognaere, 29/1/57, c. 2200 in eclipse. Young Nick's Head, 7/4/57, c. 200 on lagoon (A.B.). Lake Rotokare, Eltham, 64 on 25/8/56 (D.M.). River Avon, Christchurch, one female, July, 1955, most unusual (W.C.C.).

GREY TEAL (*Anas gibberifrons*) — Lake Rotorua, increasing, maximum 22 (M.S.B.). 16/9/57, nine ducklings a week old seen (D.M.). Lake Okaro, 9/8/57, one pair; Lake Rerewhakaite, 12+; Pike's lagoon, Wairapa, 18/8/57, 100+ (W.J.B., F.C.K., M.S.B.).

BROWN TEAL (*Anas chlorotis*) — Kaero, 20/4/57, 184 (A.P., J.P.).

SHOVELER (*Anas rhynchos*) — Clevedon estuary, 18/5/56, three males

- and one or more females; 1957, none seen (R.T.D.). Lake Rotorua, Hamurana, c. 370 on 23/5/57 (H.R.McK.). Volcanic plateau, increasing everywhere; winter flocks of 10-20 not uncommon (M.S.B.). Young Nick's Head, c. 60 on 7/4/57 (A.B.). Wairoa (Hawke's Bay) River mouth and lagoon, 16/5/57, 70, many with white on breast and shoulders, as at Waikanae (H.R.McK.). Pihama, Taranaki, 12 on 23/5/57 (B.D.H.). Avon estuary, six on 15/8/57 (D.E.C.). Heathcote estuary, c. 500 on 7/5/55; Woodend lagoon, c. 300 on 8/5/55 (W.C.C.).
- BLUE DUCK** (*Hymenolaimus malacorhynchos*) – Waitahaia River, East Coast, 9/1/57, four. Waingata River, 10/1/57, pair with five young and three others; seen or reported from upper reaches of most streams in district. Colour of bill in January, pale salmon (A.B.). Peg-leg Creek, Otira, one seen, 22/1/57 (D.N.F.C.).
- N.Z. SCAUP** (*Aythya novaeseelandiae*) – Lake Karapiro, 15/9/57, four below Hora Hora bridge (H.M.McK.). Lake Whakamaru, 20/4/57, one; reports of more at head of lake near Atiamuri (M.L.B.). Matata lagoon, two shot on 5/5/57 (D.M.); six on 13/9/57 (H.R.McK.). Lake Rotorua, 300+ on 6/6/57 (D.M.). 350+ in Sulphur Bay in mid-July; Lake Okareka, c. 60; Lake Rotoiti, two flocks, 25-32; Lake Rerewhakaaitu, 40+; small flocks on lesser lakes (M.S.B., W.J.B. et al.). [Correction, p. 78, for 'Rotoma', which is not a good Scaup lake, read 'Rotoiti'.] Lake Paringa, 80 on 17/5/57 (R.J.). McKenzie Domain, Cheviot, 8/1/57, 17 adults, 15 juv. (L.E.W.).
- N.Z. FALCON** (*Falco novaeseelandiae*) – Rotorua, 22/1/57, one in vicinity of gull colony, did not attack gulls and was later seen chasing sparrows (M.S.B.). Seen on Egmont at Pukeiti, N. Egmont Hostel and Holly Hut (D.M.). Waikaremoana, increasing (G.E.S.). Matawhero Bridge, Gisborne, one on 19/5/57 (A.B.). Male chasing Yellow-breasted Tit, Arthur's Pass, May 1954 (W.C.C.).
- BROWN QUAIL** (*Synoicus ypsilophorus*) – Clevedon, January 1957, nest 10 eggs (M.J.B.).
- CALIFORNIAN QUAIL** (*Lophortyx californica*) – Waerenga, three flocks of over 60 each, winter, 1957 (M.P.D.). Kaitake Ranges, 18/5/57, c. 100 in gorse at 600 feet (D.M.). Common in Red Jacks Creek and other tributaries east of Grey River, where rainfall is less than most of the West Coast (R.J.). Taumutu, four in lupins, 6/11/54 (W.C.C., E.W.D.).
- CHUKOR** (*Alectoris graeca*) – Reported from Waiho and Kokatahi, 1955-56 (L.A.).
- PEAFOWL** (*Pavo cristatus*) – South bank, Wanganui River, six on 12/5/57 (D.M.).
- BANDED RAIL** (*Rallus philippensis*) – Whitford, February 1957, one with four small chicks (per H.R.McK.). Duder's Beach, Clevedon, 14-20/8/57, nest five eggs, taken by rats (R.T.D.). Little Waihi estuary, two on 16/12/56; Wairanga swamp, Maketu, 20/12/56, several calling (F.E.G., M.R.R., M.S.B.).
- N.I. WEKA** (*Gallirallus australis greyi*) – Gisborne, numbers apparently increasing. In past two years, range has increased 10 miles southward and 12 miles westward, perhaps due to pressure of population. Corpses on roads throughout district very noticeable in last year or two (A.B.). Mangapapa, 13/1/57, one seen to chase sparrows for scraps, and when the sparrows returned, to catch one of them in its beak, kill it and swallow it whole (D.M.).
- WESTERN WEKA** (*Gallirallus a. australis*) – Seen on road between Punaikaiki and Barrytown, 3/9/55 (D.E.C.).
- PUKEKO** (*Porphyrio melanotus*) – Motutara golf links, Rotorua, 6/8/57, 48 scattered feeding (M.J.B., M.S.B.).

- MARSH CRAKE (*Porzana pusilla affinis*) – Lake Rotorua, near Queen Elizabeth Hospital, 14/4/57, one seen (M.R.R.), where between August and December 1945 one to five were seen frequently (M.S.B.).
- SPOTLESS CRAKE (*Porzana tabuensis plumbea*) – Papakura, 26/6/57, one found dead on lawn of W. J. Hood, Clevedon Road (H.R.McK.).
- COOT (*Fulica atra australis*) – One appeared on Lake Pupuke, winter, 1957 (F.C.K., J.P.).
- S.I. PIED OYSTERCATCHER (*Haematopus ostralegus finschi*) – Marsden Bay eight, Ruakaka 11 on 12/1/57 (R.B.S.). Pouto Pen, Tangaihi, 70+ on old wharf, 15/6/57 (J.P., R.K., H.R.McK.). S. Kaipara heads, c. 30 on 29/12/56 (R.B.S.). Kawhia, c. 12 on 1/12/56 (B.D.H.). Clevedon River mouth, two in mid-May 1957 (G.K.McK.). Taumutu, two pairs, November–December 1954; Heathcote estuary, c. 2000 on 7/5/55 (W.C.C.).
- N.I. (VARIABLE) OYSTERCATCHER (*Haematopus unicolor reischeki*) – Pouto Pen, Tangaihi, 18, including three Black, on old wharf, 15/6/57 (J.P., R.K., H.R.McK.). Maketu, three (Black) on 17/10/56; Ohau estuary, four (Black) on 17/8/57 (W.J.B., R.V.R., M.S.B.). Waikanae estuary, two or three, not always the same individuals, generally present, even in breeding season, though last record of successful breeding was in 1952–53 (C.A.F.). Taruhera River, Gisborne, 20/4/57, two (A.B.). Muriwai lagoon, two (Black) on 21/5/57 (M.F.). Kopuawhara River mouth, 14/10/56, two (Black) (A.B.).
- BLACK OYSTERCATCHER (*Haematopus u. unicolor*) – On West Coast one in 20 estimated to have an injured foot (R.J.). Heathcote estuary, one in flock of 800 S.I. Pied Oystercatchers, 7/5/55 (W.C.C.). Sandfly Bay, Otago, 3/11/56, nest of two eggs; 10/11/56, second nest of two eggs; 30/12/56, only one pair without nest, eggs or young (W.A.W., D.N.F.C.).
- SPUR-WINGED PLOVER (*Lobibyx novae hollandiae*) – One arrived Matata lagoon, Bay of Plenty, apparently early October 1957, the most northerly record of this bird in New Zealand (per H.R.McK.).
- PACIFIC GOLDEN PLOVER (*Charadrius dominicus fulvus*) – Muriwai lagoon, Gisborne, 10/12/56, six (A.B.).
- BANDED DOTTEREL (*Charadrius bicinctus*) – Clevedon, winter, 1957, c. 150 arrived on my farm; 150 on 15 July; c. 50 on 11 August; none on 29 August (G.K.McK.). Tarawera estuary, one pair breeding, 8/8/57; Lake Rotorua, 14/9/57, c. six pairs preparing to breed (M.S.B.); Whangara, Gisborne, 23/12/56, 20 (J.W.B.). Muriwai lagoon, 26 on 19/5/57 (A.B.). Bell Block sandhills, New Plymouth, six on 26/12/56, 12 on 26/1/57 (P.W.L.). Kawhia, 30/11/56, several pairs, some with flying young (B.D.H.). Taumutu, three nests with clutches of three eggs on 9/10/54 (W.C.C.).
- RED-BREASTED (N.Z.) DOTTEREL (*Charadrius obscurus*) – Hawai River mouth, Bay of Plenty, one pair breeding (per H.R.McK.). Waikato estuary, five on 14/7/57 (B.D.H.).
- WRYBILL (*Amarhynchus frontalis*) – Marsden Bay, one on 12/1/57, up to 12 reported; Ruakaka, four (H.R.McK., R.B.S.). Tarawera River mouth, two on 12/10/57 (F.C.K., M.J.B., M.S.B.). Waikawa, five on 17/8/57, harried by a pair of Banded Dotterels (R.V.R., W.J.B., M.S.B.). Waikanae, one on 3/4/55 (C.A.F.), Taumutu, eight on 16/10/54; Ashley River, five on 24/10/54 (W.C.C.).
- ASIATIC WHIMBREL (*Numenius phaeopus variegatus*) – Inlet near Parkhurst, Kaipara, eight on 29/12/56 (R.B.S., D.A.U.).
- BAR-TAILED GODWIT (*Limosa lapponica baveri*) – Marsden Bay, c. 1000; Ruakaka, c. 60 on 12/1/57 (R.B.S., H.R.McK.). South Kaipara heads, some thousands on 30/12/56 (R.B.S.). Lake Rotorua, Silica Flat, one

- female harried by breeding Stilts (W.J.B., M.S.B.). Little Waihi Lagoon, 27/1/57, 15, three reddening (M.S.B.). Ohiwa, c. 50 on 5/5/57; Muriwai, Gisborne, 13 on 28/10/56; Mahia, two on 14/10/56 (D.M.). Kopua River mouth, seven on 14/10/56 (A.B.). Aotea, January 1957, 700-800 (G.R.B.). Nelson, 16 on 11/1/57 (L.E.W.). Heathcote estuary, c. 500 on 7/5/55, two in breeding plumage (W.C.C.).
- TURNSTONE** (*Arenaria interpres*)—Waipu River mouth, six on 12/1/57 (H.R.McK.). Tarawera River mouth, one on 12/10/57 (F.C.K., W.J.B., M.S.B.).
- KNOT** (*Calidris canutus*)—Marsden Bay, c. 60; Ruakaka, c. 40 on 12/1/57; South Kaipara heads, only six noted, 29/12/56 (R.B.S.).
- SHARP-TAILED SANDPIPER** (*Calidris acuminata*)—Awapuni Lagoon, Gisborne, 16/1/57, four (M.F.).
- PIED STILT** (*Himantopus l. leucocephalus*)—Raepere Creek, Kaiwaka, c. 120 on 17/12/56 (R.B.S.). Lake Rotorua, 14/9/57, c. 10 pairs mated and preparing to rest (M.S.B., W.J.B.). Lake Whakaki, early May 1957, best count 1100+ (R.St.P.). Bell Block, New Plymouth, seven on 15/12/56 (P.W.L.). Taumutu, six nests with C.4, 11/10/54 (E.W.D., W.C.C.).
- ARCTIC SKUA** (*Stercorarius parasiticus*)—Foxton Beach, 17/2/57, two (E.D., I.G.A.).
- BLACK-BACKED GULL** (*Larus dominicanus*)—Clevedon River mouth, 8/12/56, increasing, 27 nests with eggs or young (M.J.B.). Lake Rotorua, two-three pairs raised young to flying stage; many arrive annually in February-March from the coast (M.S.B.). Muriwai, Gisborne, 28/10/56, laying just started (D.M.). Ocean Beach, 3000-4000 near freezing works, 4/1/55; Taumutu, breaking and eating eggs of White-fronted Terns, 7/11/54 (D.E.C., W.C.C.). Mt Davy colony estimated at 800 pairs; between 7 and 14 January most of the young try to fly down to the coast (R.J.). Arthur's Pass, January 1957, three pairs daily; Sandfly Bay, Otago, 10/11/56, two nests with C.3 (D.N.F.C.).
- RED-BILLED GULL** (*Larus novae-hollandiae scopulinus*)—Whakatane, November-December 1956, large colony on steep rock to west of harbour; Lake Rotorua, c. 150 pairs bred; many young successfully flew (M.S.B.).
- BLACK-BILLED GULL** (*Larus bulleri*)—Lake Rotorua, c. 200 pairs bred; many early nests robbed; second attempt succeed (M.S.B., M.R.R.). Muriwai Lagoon, Gisborne, 25/5/57, 30 (M.F.). Taumutu, several cleaning up contents of Tern eggs broken by Black-backs, 7/11/54 (W.C.C.). c. 150 nests below Waimakariri Bridge, 11/10/54; later abandoned (E.W.D., W.C.C.).
- BLACK-FRONTED TERN** (*Chlidonias hybrida albostratus*)—Pouto Pen, Tangaihi, 14 (nine adult, five grey juv.) on old wharf, 15/6/57 (J.P., R.K., H.R.McK.), c.f. *Notornis* VI, 244. Tarawera River mouth, 31 on 10/5/57 (D.M.). Okarito, few, October 1956 (L.A.). 15 on 16/5/57 at Karangarua River mouth (R.J.). Lake Pukaki, two pairs, 12/11/54; Taumutu, four juv., 7/1/55 (W.C.C.).
- WHITE-WINGED BLACK TERN** (*Chlidonias leucopterus*)—Whau estuary, one in partial breeding dress on 16/7/57 (J.P., B.D.H.). Waikanae, one, autumn, 1957 (C.A.F.).
- CASPIAN TERN** (*Hydroprogne caspia*)—Lake Rotorua, one pair nested among gulls; first clutch lost to vandals; then a single egg laid and hatched and the youngster flew (M.S.B., M.R.R.). Muriwai Lagoon, Gisborne, 9/1/57, five (J.W.B.). New Plymouth, a few scattered along coast (D.M., P.W.L.). Lake Ellesmere, commonly seen, 1954 (W.C.C.).
- WHITE-FRONTED TERN** (*Sterna striata*)—Three Sisters, Waiheke, 8/12/56, c. 50 nests; hatching just starting (M.J.B.). Harbour groyne,

- Gisborne, 25/12/56, c. 500 in early stages of nesting (D.M.). 15/1/57, eggs just hatching; 5/2/57, groyne deserted; no young reared (A.B.). Cape Kidnappers, Black Rock, 3/11/56, 300+ nests on cliffs and adjacent islets; Black-backs were taking eggs and chicks (W.J.B., R.V.R., M.S.B.). Waikanae, one pair laid a single egg about 30/12/55; destroyed by high tides (C.A.F.). Lake Ellesmere, colony unsuccessful, 1954; Diamond Harbour, some juv. just flying, 2/1/55 (W.C.C.). Seal Island, breeding, January 1955; Okari River mouth, 27/11/55, c. 500 nests; Punakaiki, eight nests; Twelve Mile Island, c. 300 nests, 4/12/55; Okarito, 10/12/55, c. 700 nests; and at the same time many idle Terns at most river mouths: e.g., Taramakau, c. 100; Arahura, c. 100; Hokitika, c. 150; Mikonui, c. 100; Waitaha, c. 150; Wanganui, c. 100. Though the weather continued fine, the Punakaiki and Twelve Mile Terns had deserted on 18/12/55, leaving eggs and chicks. Totara mouth, Ross, 24/1/56, c. 500 nests; 18/2/56, a few flying juv. Usually a few winter at the Grey mouth; 16/8/56, c. 200 appeared, remained about a fortnight, then disappeared, except 12, till November (R.J.). Okarito, mid-October, nesting started (L.A.). Wanganui River mouth, plentiful since August, the beginning of the whitebait season, which is their usual time of appearance; c. 1200 nesting on 9/12/56; at the same time at other river mouths: Taramakau 7, Arahura 20, Hokitika 60, Totara 6, Mikonui 6, Waitaha 300 and many more fishing a mile offshore; 200 idle Terns at Wanganui. If Red-billed Gulls are in the area, they prey on the eggs; if there are no Red-billed Gulls, then Black-billed Gulls act as predators; juv. Black-backs also harry the returning Terns; the adults keep their distance from the Terns and in flight avoid the colony (R.J.).
- N.Z. PIGEON (*Hemiphaga novaeeseelandiae*) – Moumoukai, Clevedon, fewest seen for years (J.W.St.P.). Aotea, August 1957, one chased a Caspian Tern from near the shore for a mile over the harbour. The Tern outflew it, and the pigeon came back and perched on top of a macrocarpa, where it looked as much out of place as it did chasing the Tern (C.R.B.). Minginui, August 1956-January 1957, scarce; February-March, up to 40; down to odd ones in July. Food, August-December, mainly leaves; January-February, konini; February-April, tawa, miro, matai; May-July, miro (R.St.P.). Waikaremoana, increasing (G.E.S.). Pehiri Valley, Gisborne, increasing (A.B.). Oxford, two in beech forest, Cooper's Creek, 23/2/57 (D.E.C.).
- N.I. KAKA (*Nestor meridionalis septentrionalis*) – Moumoukai, Clevedon, 1957, only a few (J.W.St.P.). Minginui, August-September 1956, very scarce; October-June, 9 to 12; more plentiful in high country. Food: grubs and fruit of matai, totara, miro and hinau (R.St.P.). Waikaremoana, increasing (G.E.S.). Gisborne, 2/11/56, one near town (J.W.B.). Nuhaka, 20/2/57, one in school grounds (A.B.). August 1957, several between Maungataniwha Mill and Te Hoe H.B. (D.M.). Makatawa Valley, Egmont, colony reported (D.M.).
- KEA (*Nestor notabilis*) – Temple Basin, Arthur's Pass, five on 5/6/55 (D.E.C.). Fox River, north of Greymouth, adult seen at 750 ft. a.s.l. in broken limestone country, 21/4/55 (R.J.).
- YELLOW-CROWNED PARAKEET (*Cyanoramphus auriceps*) – Minginui, 1956-57, one pair constantly, sometimes more; up to 12 in high country (R.St.P.). Parakeets in Te Hoe bush, H.B., most likely of this species (D.M.).
- SHINING CUCKOO (*Chalcites lucidus*) – Kaitaia, first song 13/10/57 (R.H.M.). Moumoukai, Clevedon, first song 8/10/56; last song 10/1/57 (J.W.St.P.). Clevedon, first songs 6/9/56 (Miss K. Browne); others in early October (H.R.McK.). Aotea, first song 26/9/56, early for here (C.R.B.). Rotorua, first song 16/10/56 (C.D.B.). Always scarce in Rotorua town; not uncommon in exotic forests (M.S.B.). Minginui, first

song 29/6/56; last seen and heard 8/2/57 (R.St.P.). Aniwanuiwa, 18/11/56, pair seen mating (G.E.S.). Ngatapu, Gisborne, 14/1/57, fully fledged youngster fed by Grey Warbler; and in same locality on 28/1/57 a Grey Warbler seen feeding two young Shiners (M.F.). Waikanae, first song 30/9/56 (C.A.F.). Te Karaka, Poverty Bay, 30/9/57 (D.M.). North Taranaki, several heard in December 1956 (D.M.). First calls heard near Dunedin, Leith Valley, 18/9/56; Three Mile Hill, 23/9/56; Vauxhall, 22/10/56; heard in mid-January Takaka Hill, Maruia and Hanmer River (L.E.W.).

LONG-TAILED CUCKOO (*Eudynamis taitensis*) — Minginui, first heard 7/10/56; last seen and heard 19/2/57; more this season (R.St.P.). Egmont, Pouakai Ranges, eight on 27/1/57; North Egmont, two at 2000 ft. on 23/2/57 (D.M.). Waikanae Beach, one on 6/1/56, eating weta; one on 19/11/56 (C.A.F.). Otira, one on 19/1/57 (D.N.F.C.). Welcome Flats, Copland Valley, one frequently in a rata with a Kea, Kakas and Waxeyes on 13/1/55; present at Seven Mile and Ten Mile Creeks, Greymouth, 8/1/56 (R.J.). Kokiri, late January 1957, an egg found with a Yellow-breasted Tit's egg in a deserted nest (J.P.).

MOREPORK (*Ninox novaeseelandiae*) — Volcanic plateau, relatively common (M.S.B.). Westport, several heard early September 1955 (D.E.C.).

LITTLE OWL (*Athene noctua*) — Tainui, Dunedin, 30/12/56, one young found out of nest and kept till next morning, when parent enticed it away (L.E.W.).

N.I. RIFLEMAN (*Acanthisitta chloris granti*) — Aniwanuiwa, few left since winter, 1956 (G.E.S.).

S.I. RIFLEMAN (*Acanthisitta c. chloris*) — Cooper's Creek, six in beech forest, 23/2/57 (D.E.C.).

S.I. BUSH WREN (*Xenicus l. longipes*) — Seen below Casey Stream, Poulter River, Arthur's Pass (R.C.).

ROCK WREN (*Xenicus gilviventris*) — A pair maintained a territory of about 25 yards radius from 3/2/57 to 3/3/57 in Crow Valley, Arthur's Pass (R.J.).

PIED TIT (*Petroica macrocephala toitoi*) — Waiatarua, Waitakere, 14/7/57, one singing (K.M.P.G.). Moumoukai, Clevedon, 1957, scarce (J.W.St.P.). North Egmont, 19/5/57, one at c. 4000 ft. (P.W.L.). Spiral Hill, Rau-rimu, 24/11/56, trilling vigorously, a contrast with lowland bush, Wellington, at this season (H.L.S.).

YELLOW-BREASTED TIT (*Petroica m. macrocephala*) — Cooper's Creek, 23/2/57, several in beech forest (D.E.C.). Hen seen adding to nest, returning every two minutes; 12/9/57 at Arthur's Pass (R.J.).

N.I. ROBIN (*Petroica australis longipes*) — Has colonised Whaka State Forest, Rotorua (F.E.G., J.C.D.). Minginui, not uncommon in high country; one usually attends at lunch-time, sometimes with its larger mate; very fond of butter (R.St.P.). Aniwanuiwa, Waikaremoana, spreading; now seen four miles up the valley; three lots of two seen near my house on 26/1/57 (G.E.S.).

FERN BIRD (*Bowdleria punctata*) — Wairanga Swamp, Maketu, 20/12/56, two calling (M.R.R., M.S.B.). Lake Rotokawa, Taupo, 3/8/57, two; R. Whareroa, West Taupo, plentiful, September 1957 (D.M.). Lower Maitaia, occasional in coastal swamps (O.S.).

BROWN CREEPER (*Finschia novaeseelandiae*) — Arthur's Pass, 31/8/57, in flocks and calling; 14/9/57, mostly paired or single and quiet (R.J.).

WHITE HEAD (*Mohoua ochrocephala albicilla*) — Rainbow Mountain, 9/8/57, c. 10 feeding with Waxeyes on nothopanax; common in the larch forests, often with Fantails and Waxeyes (M.S.B., W.J.B.). Motu, Gisborne, fairly common; Galatea, 18/3/57, frequent (A.B.). Minginui, feeding flocks, often attended by the local pair of Yellow-fronted Parakeets.

- and some Fantails (*R.St.P.*). Kaitake Ranges, 19/8/56, 16 between 800 ft. and 2250 ft. (*D.M.*).
- YELLOW HEAD** (*Mohoua o. ochrocephala*) – From 4/9/56 to 22/9/56 a pair stayed within 200 yards of the junction of Edwards and Mingha Rivers, Arthur's Pass (*R.J.*). 1000 ft. above Otehake Hut, Arthur's Pass, c. 30, March 1957 (*R.C.*).
- GREY WARBLER** (*Gerygone igata*) – Rotorua, 4/8/57, pair observed collecting nesting material; but nest not completed (*M.S.B.*). Ngatapa, Gisborne, an apparent increase (*M.F.*). Aniwanuiwa, 12/11/56, an obvious increase (*A.B.*). Arthur's Pass, 14/9/57, singing, paired and chasing (*R.J.*).
- BLACKBIRD** (*Turdus merula*) – Manurewa, 22/9/56, one albino, all white, yellow bill and legs; Ruatahuna, 11/11/56, one albino, all cream, bill and legs not seen; Waimihi, King Country, 22/8/56, one albino, all white, yellow bill (*H.R.McK.*).
- BELLBIRD** (*Anthornis melanura*) – Mōumoukai, Clevedon, 1957, a few, not increasing (*J.W.St.P.*). Waerenga, 19/7/57, one, the first recorded here (*M.P.D.*). Upper Aotea Harbour, September 1957, plentiful (*C.R.B.*). Minginui, song throughout the year, less in July-August 1956, but strong and frequent to July 1957 (*A.St.P.*). Cooper's Creek, 23/2/57, common in beech forest (*D.E.C.*). Often feeding on montbretia in January (*R.J.*).
- TUI** (*Prosthemadera novaeseelandiae*) – Mōumoukai, Clevedon, 1957, fewest known (*J.W.St.P.*). Waerenga, 1957, numerous; five pairs on my farm (*M.P.D.*). Upper Aotea Harbour, September 1957, plentiful (*C.R.B.*). Ngongotaha, not common (*R.E.W.F.*). Minginui, add matai to last year's food list (*R.St.P.*). Aniwanuiwa, increasing; very numerous March to May (*G.E.S.*). Ngatapa, Gisborne, 28/11/56, nest of willow twigs in willow tree (*M.F.*). Kopane, feeding on totara berries in February (*E.D.*).
- SILVEREYE** (*Zosterops lateralis*) – Rotorua, 1957, usual winter irruptions (*M.S.B.*). Minginui, August-December 1956, none; four on 26/1/57; February, none, but small flocks at head of Waiau River; March-July, small flocks up to July; apparently losses were heavy in winter, 1956. Reports from Te Whaiti to Waikaremoana are similar (*R.St.P.*). Aniwanuiwa, nearly wiped out since winter of 1956 (*G.E.S.*).
- LESSER REDPOLL** (*Carduelis flammea cabaret*) – Minginui, present in varying numbers; August 1956 - April 1957, few; May, small parties and a flock of c. 400 on 26/5/57; June, up to six, and two flocks of 30 and 50; July, odd small lots (*R.St.P.*). Aniwanuiwa, 12/5/57, first large flock of c. 500 (*G.E.S.*). S.I., common in upper beech forest and sub-alpine scrub, 23/2/57 and 14/8/57 (*D.E.C.*).
- YELLOW HAMMER** (*Emberiza citrinella*) – Gisborne, apparent increase all over the district (*A.B.*). Aniwanuiwa Valley, 10/5/57, many flocks, one of c. 100 (*G.E.S.*).
- WHITE-BACKED MAGPIE** (*Gymnorhina hypoleuca*) – Clevedon, 21/5/57, two on farm in district where normally none (*G.K.McK.*). Mangapapa, Gisborne, 29/9/56, nest with one half-grown chick (*D.M.*). Paekakariki, 16/8/57, pair carrying nesting material (*M.S.B.*). Pike's Lagoon, Wairarapa, 18/8/57, one incubating eggs on nest in leafless willow (*F.C.K.*, *W.J.B.*, *M.S.B.*). Karitane, 26/8/55, one seen, the first here (*J.W.*). Waipori, mouth of gorge, two in February 1956, first recorded (*E.A.H.*). Lake McKenzie, Canterbury, December 1956, numerous, often 12 per tree; first call 4 a.m. (*L.E.W.*). Present at Carrington, Mingha Junction, Lagoon Saddle and in the head of Poulter River, Arthur's Pass (*R.C.*).
- N.I. KOKAKO** (*Callaeas cinerea wilsoni*) – Mōumoukai, Clevedon, 1957, numbers apparently stable (*J.W.St.P.*).