

burrows of the Grey-faced Petrel, the Bay of Plenty muttonbird, at Otarawairere Bay.

After a late lunch at the seaside home of Mr. and Mrs. R. Weston, a suggestion was made to hold the next Field Study Week-end (Labour Day, 1961) at Clevedon. All who attended learned a lot from a delightful week-end. Those who did not bring cars were most grateful for transport provided by those who did. Thanks, too, are due to those who so kindly billeted some of the visitors.

— R.V.McL.



CLASSIFIED SUMMARISED NOTES

I. G. Andrew, Wellington
J. W. Bain, Gisborne
T. R. Beatson, Dunedin
B. D. Bell, Blenheim
A. Blackburn, Gisborne
R. H. Blanshard, Little Barrier
Mrs. M. J. Blundell, Clevedon
K. R. Bond, Kaitaia
Miss O. Cartwright, Dunedin
C. N. Challies, Lower Hutt
P. Child, Geraldine
V. I. Clark, Rotorua
J. E. Coulthard, Manukau Heads
R. A. Cresswell, Gisborne
Mrs. O. Cullen, Whangarei
E. Dear, Kopane
A. T. Edgar, Titirangi
Dunedin Naturalists Field Club
Rev. R. J. Fenton, Northcote
D. G. Fenwick, Auckland
Miss B. L. Goertz, Ardmore
P. Grant, Greymouth
A. R. Harris, Dunedin
B. D. Heather, Winton
M. Hodgkins, Tauranga
M. J. Hogg, Auckland
F. B. Hudson, Kaipara Flats
M. J. Imber, Hawera
King's College Bird Club
N. J. Ledger, Titirangi

Mrs. E. H. Matwig, Te Kopuru
Mrs. H. M. McKenzie, Clevedon
H. R. McKenzie, Clevedon
Mrs. R. V. McLintock, Tauranga
D. Medway, Wellington
D. Merton, Gisborne
W. L. Moisley, Clevedon
G. J. Moon, Warkworth
A. A. Morgan, Greymouth
Mrs. G. Orum, Clevedon
W. T. Parham, Whakatane
W. T. Poppelwell, Dunedin
Mrs. A. C. Prentice, Dunedin
Mrs. A. Prickett, Birkenhead
J. Prickett, Birkenhead
A. T. Pyrcraft, Auckland
W. W. Renouf, Clevedon
R. A. Ringer, Auckland
J. W. St. Paul, Clevedon
R. St. Paul, Minginui
Mrs. M. A. Scott, Tauranga
A. L. Secker, Upper Hutt
R. B. Sibson, Auckland
P. D. G. Skegg, Auckland
W. S. Sutherland, Kawhia
A. Todd, Miranda
D. A. Urquhart, Karaka
J. G. Walker, Dunedin
Mrs. L. E. Walker, Dunedin
R. R. Wiblin, Pukerua Bay

N.I. KIWI (*Apteryx australis mantelli*) — Kawhia, calls reported from Mahoe stream (W.S.S.). L. Waikaremoana, heard at Te Puna and Hopuruahine, 27/2/ - 6/3/59 (F.P.H.). Gisborne, 12/4/60, 1 killed by dog six miles from city (A.B.). Mahoenui district, May '60, heard calling at Waikawau; 1 killed by dogs near Maungarongo (W.L.M.).

YELLOW-EYED PENGUIN (*Megadyptes antipodes*) — Otago Peninsula 'rookeries' — Forbury Head 14 on 3/7/59; 15 on 28/5/60; Penguin Beach, 7 on 9/9/59; Little Papanui, 1 ad. 2 chicks on 17/12/59; Wickliffe Bay, 6 moulting on 21/3/60 (W.T.P.).

BLUE PENGUIN (*Eudyptula minor*) — Bay of Islands, 16/5/60, 20+ mostly in pairs in clear oceanic water beyond fringe of brown silt-stained water after heavy rains (R.B.S.). Rurimu Rocks, B.O.P., 12/12/59, 3 birds incubating; 2 eggs chipping in one nest (W.T.P.). Pencarrow Head, several burrows along coast in occupation 14/5/60 and 6/8/60 (I.G.A.).

DABCHICK (*Podiceps rufopectus*) — The population on the Muriwai Heads is being well maintained (R.B.S.). Repongaere, Gisborne, 15/11/59, pair with young (A.B.). Waitotara Lagoon, 1 on 14/5/60; perhaps an autumn wanderer from coastal lagoons south of Wanganui (M.J.I.). L. Rotokuru, Rangataua Forest, one pair on 11/10/59 (C.N.C.). Masterton Park, 2 on 22/5/60 (E.D.).

WANDERING ALBATROSS (*Diomedea exulans*) — 19/9/60, ten between Wellington Heads and Tory Channel (H.L.S.).

ROYAL ALBATROSS (*Diomedea epomophora*) — Not recorded on 19/9/60 between Wellington Heads and Tory Channel; but 2 some days later (H.L.S.). Tairoa Head, 2 pairs courting on 22/10/59; 5 at nests on 17/1/60; 3 on 28/2/60 (W.T.P.).

BLACK-BROWED MOLLYMAWK (*Diomedea melanophris*) — 1 off Leigh on 5/4/60 (A.J.G.). Noted offshore in Cook St. on 18/7/59, 8/8/59, 29/5/60 (I.G.A.), but not seen in 19/9/60 between Wellington and Tory Channel (H.L.S.).

BULLER'S MOLLYMAWK (*Diomedea bulleri*) — 19/9/60, not recorded on this date or several days later between Wellington and Tory Channel (H.L.S.). Aramoana, 28/2/60, 3 robbing shags of fish (W.T.P.).

WHITE-CAPPED MOLLYMAWK (*Diomedea cauta*) — 19/9/60, 2 between Wellington and Tory Channel; one some days later; also one *salvini* (H.L.S.). Common off Otago coast, e.g. 10 on 17/12/59 near C. Saunders; up to 50 near Stewart I. mid-Jan. '60 (W.T.P.).

GIANT PETREL (*Macronectes giganteus*) — Waitemata, 14 near bridge on 12/9/60 (J. & A.P.). Ngauranga, 1 white phase on 3/9/60 (H.L.S.). 19/9/60, c. 200 in Cook St. (H.L.S.). Greymouth, 2 offshore on 28/7/59 (P.G.). Regularly seen off St. Clair; 1 white phase off Lawyer's Head on 20/9/60; 12 in Foveaux St. on 1/1/60 (W.T.P.).

CAPE PIGEON (*Daption capensis*) — Little Barrier to Tiri, 1 on 21/8/60 (Mrs. R.H.B.). 19/9/60, c. 50 between Wellington Heads and Tory Channel; fewer some days later (H.L.S.). Lawyer's Head, 61 on 14/10/59; 57 on 11/11/59; 40 on 15/12/59; St. Clair, 21 on 17/11/59; several at Cape Saunders on 17/12/59; Foveaux St., 4 on 15/1/60 (W.T.P.).

FLESH-FOOTED SHEARWATER (*Puffinus carneipes*) — Auckland - Whangaroa 30/9/ - 5/10/59, none; north of Whangarei, 14/12/59, few (A.J.G.); Cook St., one on 19/9/60 (H.L.S.).

- BULLER'S SHEARWATER** (*Puffinus bulleri*) — Bay of Islands, 5/10/59 many hundreds, including three groups of 200+; One, probably more, 16/5/60 (R.B.S.). North of Kawau, 300+ on 21/1/60.
- SOOTY SHEARWATER** (*Puffinus griseus*) — St. Clair, thousands going south on 14/10/59; thousands passing at more than fifty a minute on 10/12/59; c. 150 on 11/4/60. Aramoana, thousands on 22/10/59. Foveaux St., 15/1/60, "like dust on the horizon" (W.T.P.).
- FLUTTERING SHEARWATER** (*Puffinus gavia*) — Bay of Islands, 50+ close under Tapeka Pt. on 16/5/60 (R.B.S.). Wellington Harbour, c. 50 on 9/8/59 (I.G.A.).
- GREY-FACED PETREL** (*Pterodroma macroptera*) — Auckland west coast, at least one mainland colony still going strong (P.D.G.S.). Bay of Plenty, 22/8/59, three mainland breeding sites still in use between Whakatane and Ohiwa (W.T.P.). Mt. Maunganui, burrows with eggs and chicks in early Sept. '60 (P.D.G.S.).
- WHITE FACED STORM PETREL** (*Pelagodroma marina*) — Little Barrier to Tiri, 21/8/60, 3 singles and 3 groups of 3 each (Mrs. R.H.B.).
- GANNET** (*Sula bassana serrat*) — Bay of Islands, 16/5/60, 1 brown juv. among many adults (R.B.S.). Little Barrier, 24/6/60, c. 200 with c. 60 Pied Shags and hundreds of petrels feeding on shoal of fish close inshore (R.H.B.). White Island, 22/11/59, colonies seem to be increasing (W.T.P.). Gannet I. off Kawhia, c. 250 present throughout winter 1960 (W.S.S.). Greymouth, 1 juv. on 1/5/60 among adults (P.G.). Odd birds frequently seen off St. Clair; 1 ad. and 3 juv. on 2/4/60; Wickcliffe Bay, 1 sick juv. on 26/3/60 (W.T.P.).
- BROWN BOOBY** (*Sula leucogaster plotus*) — South of Motiti I., Bay of Plenty, 7/2/60, one following launch with gulls and petrels which were feeding on fish cleanings. Dark brown head and back, with upper wing surface as dark as in Flesh-footed Shearwaters; under surface white except for a few scattered brown feathers on the breast. Thought to be sub-adult (V.I.C.).
- BLACK SHAG** (*Phalacrocorax carbo novaehollandiae*) — Gollan's Valley, 14/5/60, several nests with eggs and chicks (I.G.A.). Rabbit I., Nelson, 36 on 12/1/60 (L.E.W.).
- PIED SHAG** (*Phalacrocorax varius*). — Bay of Islands, Tangitu Pa, 16/5/60, a typical cliff colony in pohutukawas; 15 nests apparently with eggs and birds brooding; no young visible in nests nor any smudgy juv. in trees; only clear pied adults (R.B.S.). Whangamumu Hr., 4/10/59, 15 nests on abandoned wharf, 11 occupied (A.J.G.). Little Barrier, 26/8/59, several sitting, chicks in three nests; 30/11/59, most of young flying but 3 birds still sitting (R.H.B.). Ohiwa Hr., c. 50 with Black Shags on 30/8/59 (W.T.P.). L. Pupuke, c. 80 occupied nests on 19/5/60 (R.B.S.). Dunedin coast, a scattering always about (W.T.P.).
- LITTLE BLACK SHAG** (*Phalacrocorax sulcirostris*) — Flocks of some size reported from Auckland isthmus, viz., c. 150 feeding in St. Heliers Bay (A.T.P.), 100-200 seen several evenings flying in open V formations past Birkenhead and over the harbour bridge (A.P.), Tamaki river, Otahuhu, c. 20 on 17/4/60; L. Pupuke, 100+ roosting on 19/5/60 (R.B.S.), Matata lagoon, 52+ on 8/3/60, c. 30 feeding communally (H.R.McK.).

LITTLE SHAG (*Phalacrocorax melanoleucos*) — Ohiva Harb., Dec. '59, small new colony established; 4+ chicks reared (W.T.P.).

KING SHAG (*Phalacrocorax c. carunculatus*) — Duffer's Reef, c. 120 all flying birds, mid-April, 1960 (N.Z. Deerstalkers' Assn., Marlborough Branch).

STEWART ISLAND SHAG (*Phalacrocorax carunculatus chalconotus*) — Otago Heads, 22/10/59, plentiful especially the bronze form; Whero I., 13/1/60, many roosting on island (W.T.P.).

SPOTTED SHAG (*Stictocarbo punctatus*) — Clevedon, c. 25 visiting Waiti Bay (H.R.McK.). Otago Heads, usually hundreds; some enter the harbour to fish; Cape Saunders, 17/12/59, nesting almost over (W.T.P.). Greymouth, up to c. 250 (P.G.). Waitaki rivermouth, c. 350 on 16/1/60 (D.N.F.C.).

WHITE HERON (*Egretta alba*) — Rangaunu Bay, up to 17 during winter, 1960 (R.H.M.). Mahurangi, 1 still present in Nov. '60 (G.J.M.). Stanley Bay, Takapuna, 1 mid-Oct. '60; Whau estuary, 3 repeatedly seen between 14/4/60 and mid-Oct. (J.P., R.B.S., et. al.). Tauranga Hr., 1 at Waimapu Inlet on 22/6/60 (M.H.). 1 at Mata-pihi on 7/8/60 and till early Sept.; 2 reported (R.B.S., P.D.G.S.). Tokaanu, 1 on 9/7/59 (A. & J.P.). L. Whakaki, 5-7/5/60, 1 (R.St.P.). Foxton, 1 on 6/9/60 (E.D.). L. Horowhenua, 1 on 14/5/60; 2 on 7/9/60; 6 reported previous week (H.R.McK., D.M., et. al.). L. Forsyth, 1 on 5/5/60; Merton, 1 on 2/8/59 and 25/4/60 (J.G.W. & L.E.W.); Toko rivermouth, Milton, 1 on 18/9/59 (A.R.H.).

LITTLE EGRET (*Egretta garzetta*) — Merton, 25/4/60, 1 in full nuptial plumage (cf. Notornis VIII, 179) (L.E. & J.G.W.). Others in Manukau are reported elsewhere; v. p. 99.

BLUE REEF HERON (*Egretta sacra*) — Mill Bay, Manukau, 11 coming to roost on 6/6/60 (R.B.S.). Ohiva Hr., numerous; 8/11/59, 2 out of 3 chicks reared in old nest (W.T.P.). Muriwai lagoon, Gisborne, 1 on 3/4/60; Tatapouri, 1 on 4/4/60 (J.W.B.). Waitotara estuary, 1 on 16/2/60; not seen on other visits (M.J.I.). Pukerua Bay, one nest, 3 young successfully reared. Castle Point, 26/12/59, 3 nests with young (C.N.C.).

WHITE-FACED HERON (*Ardea novaehollandiae*) — Tāpora, Kaipara, 70-75 together at full tide on 1/5/60 (J.P., R.B.S., D.A.U.). Whau estuary, 8 on 5/6/60 (R.B.S.). Now present at all seasons in most creeks of Auckland isthmus. Glenfield, nest with one young, 8/11/60 (R.J.F.). Clevedon estuary, 30+ along mudflat on 26/3/60 (H.R.McK.). Manukau Heads 1957, 2 pairs reared 5 young. 1959, a pair seen building but molested by magpies (J.E.C.). Cabbage Bay, Coromandel, 2 on 30/8/60 (R.B.S.). Tauranga Hr., where it still seems to be rare, 1 on 31/8/60 (P.D.G.S.). Muriwai lagoon, Gisborne, 3/4/60, 7 (J.W.B.). Mahoenui, 1 on 6/5/60 (W.L.M.). Waitotara, up to 3 in late summer '60 (M.J.I.). Numerous, up to 19 together at Porirua and Pauatahanui (R.R.W., P.D.G.S.). Rabbit I., 6, Richmond, Nelson, 17 on 12/1/60; McKenzie Bird Sanctuary, 12 on 9/1/60; L. Lyndon, 1, and L. Pearson, 1 on 21/1/60; Waikouaiti Lagoon, 2 on 9/8/59, both with orange-red legs; Merton, 23, Evansdale, 11 on 25/4/60 (J.G. & L.E.W.). Harwood Flats, Otago Harbour, 16 on 26/6/60 (T.R.B.). L. Waipori, 16 on 15/3/59; Waitati, 7 on

13/9/59; Papanui Inlet, 6 on 26/3/60 (W.T.P.). Portobello, pronounced winter influx; biggest counts, 1959; July, 28; Aug., 22; Sept., 18; Oct., 12; odd birds present over summer; 1960, March, 14; April, 19; May, 23; June 32 (A.R.H.). Geraldine, several during March, 1960 (P.C.).

BITTERN (*Botaurus poiciloptilus*) — Muriwai lakes, plentiful (R.B.S.). Tauranga Hr. and Bay of Plenty, present in most swamps (R.V.McL. et. al). Mahoenui on Mokau river, 1 on 27/5/60 (W.L.M.). Pautahanui Inlet, 1 on 14/5/60 (H.R.McK.). Geraldine, 1 juv. caught on 16/2/60; 1 beside Lindis R., Central Otago, on 29/4/60 (P.C.). L. Waipori, 4 on 15/3/59 (W.T.P.).

AUSTRALIAN WHITE IBIS (*Threskiornis aethiopia strictipennis*) — An additional record for the 1957 irruption is of one at L. Owhareiti, Pakaraka, Northland, seen by Mr. P. H. W. Ludbrook (R.B.S.).

CANADA GOOSE (*Branta canadensis*) — L. Whakaki, 3 on 6/5/60; 9 reported on Wairoa lakes (R.St.P.). Waitotara, 1 on 4/11/59 (M.J.I.). Birdling Flat, Oct. 59, 4 nests with 6.5.1.0. eggs (D.M.), L. Rotorua, Kaikoura, 6 on 11/1/59 (B.D.B., R.B.S.).

MUTE SWAN (*Cygnus olor*) — Tomahawk, 16 on 2/4/60 (W.T.P.).

BLACK SWAN (*Cygnus atratus*) — L. Whakaki, 5-7/5/60, c. 1100 (R.St.P.). Waitotara lagoon, 7 on 4/11/59; 18 on 17/1/60; none on 14/5/60 (M.J.I.). Green Island lagoon, 40 on 15/8/59; Taieri lakes, c. 200 on 21/4/60; Forbury Head, 19 passing over sea on 15/5/60 (W.T.P.).

PARADISE DUCK (*Tadorna variegata*) — Minginui, 1 pair resident; others come and go (R.St.P.). Mahoenui, May '60, plentiful (W.L.M.). Waimangu, L. Rotomahana, c. 30 on 17/4/60 (M.J.I.). Karori State Forest, newly hatched clutches of 7 on 7/10/59 and 7 on 15/11/59 (C.N.C.). L. Lyndon, 1 pr. on 21/1/60; Waikouaiti Lagoon, Otago, mate pursuing female on 2/8/59 (J.G. & L.E.W.). Benmore, Waitaki R., 16 on 13/1/60 (D.N.F.C.). Green Island lagoon, 7 on 19/4/60 (W.T.P.).

GREY TEAL (*Anas gibberifrons gracilis*) — Waimangu, L. Rotomahana, c. 200 at the mouth of the stream on 17/4/60 (M.J.I.). Upper Portobello Bay, near Biology Station, 23 on 29/5/60 (A.R.H.). L. Rotorua, Kaikoura, 6+ on 11/1/59 (B.D.B., R.B.S.).

BROWN TEAL (*Anas chlorotis*) — Helena Bay, c. 17 on 6/4/60 (D.M.).

SHOVELLER (*Anas thynchos*) — Mid-Kaipara, c. 12 on 1/5/60 (R.B.S.). L. Repongaere, Gisborne, 15/11/59, 2 nests each with 9 eggs (A.B.). 50+ at Waimanga on 17/4/60. Waitotara lagoon, a few pairs during summer (M.J.I., I.G.A.).

BLUE DUCK (*Hymenolaimus malacorhynchus*) — 31/8/59, reliable observer reports that 5 have been seen at headwaters of the Tauranga Wairoa, B.O.P. (M.H.). Kaimanawhas, 3, 1-8/3/60 (F.P.H.). Bealey R., Arthur's Pass, 1 juv. on 21/1/60; Whitcombe R., Westland, 2 pairs and a single bird, Easter 1960 (P.C.). Adams R., South Westland, 2 at c. 2500ft. on 6/1/59 (D.M.).

N.Z. SCAUP (*Aythya novaeseelandiae*) — Colonising L. Whakamaru; 2 near power-station on 30/1/60; 7 on 11/5/60 (P.D.G.S.). L. Rotorua, Ohau Channel 20/3/60, 1 with 5 half-grown ducklings (R.V.McL.).

Waimangu, L. Rotomahana, 150+ on 17/4/60 (M.J.I.). L. Rotorua, Kaikoura, 9 and 1 duck with 5 ducklings on 11/1/59 (B.D.B., R.B.S.). McKenzie Bird Sanctuary, Cheviot, 9/1/60, 2 with 5 ducklings and 1 with 6 (L.E.W.).

HARRIER (*Circus approximans*) — Remuera, pair calling and playing in courtship high over suburban Auckland 22/9/59 and a year later on 27/9/60 (J.W.S.). L. Whakaki 5-8/5/60, biggest daily count 20 (R.St.P.). Taieri lakes, 10 on 21/4/60 (W.T.P.).

BUSH HAWK (*Falco novaeseelandiae*) — Minginui, odd ones all year, not always in bush (R.St.P.). Gisborne, 6/5/60, 1 flying repeatedly into nikau palm in suburban garden (A.B.). Waikaremoana, 1 at Panekiri Bluff; Kaimanawas 1-8/3/60, frequently seen, sometimes 3 together (F.P.H.). Mahoenui, May '60, common; seen to kill native pigeons and said to raid fowl-runs (W.L.M.). Tongariro National Park, 1 at Chateau turn-off on 19/5/60 (P.D.G.S.). Akatore, Otago, 1 on 10/10/59 (K.K., L.E.W.).

BROWN QUAIL (*Synois ypsilophorus*) — Several family parties in open country near Puketi forest, mid-May '60 (R.B.S.). Tauranga, Otumotai, 10 on 15/4/60 (M.H.). Waitotara estuary, 3 on 14/5/60 (M.J.I.).

VIRGINIAN QUAIL (*Colinus virginianus*) — Whangara, Gisborne, 1 on 4/10/59 (J.W.B.).

BANDED RAIL (*Rallus philippensis*). Huia stream, Manukau, 3 in the open on a rainy day, 6/6/60 (B.D.B., R.B.S.). Clevedon, 2/4/60, 1 with four well-grown chicks; 16/4/60 2 prs., one with full sized young. Mahoenui, May-June '60, several about raupo swamps (W.L.M.). Tauranga Hr., widespread (M.H., R.V.McL., et. al.).

WEKA (*Gallirallus australis*) — Stewart I., not uncommon around Half-moon Bay, Jan. '60 (W.T.P.).

MARSH CRAKE (*Porzana pusilla affinis*) — One caught in a garage near a lagoon at Greymouth (A.A.M.).

PUKEKO (*Porphyrio melanotus*) — Little Barrier, one arrived about 16/12/59 and stayed near the house till 24/12/59 (R.H.B.). Taieri lakes, c. 100 on 21/4/60 (W.T.P.).

COOT (*Fulica atra australis*) — McKenzie Bird Sanctuary, Cheviot, 3 on 19/1/60 (L.E.W.).

S.I. PIED OYSTERCATCHER (*Haematopus ostralegus finschi*) — Mid-Kaipara, c. 500 on 1/2/60; 600+ on 1/5/60 (J.P., R.B.S., D.A.U., D.G.F.). Clevedon, 10 on 27/9/59; 8-11 from 19/3/60 to 13/6/60; 3 on 4/9/60 (H.R.McK.). Bowentown, B.O.P., 18 on 6/8/60 (R.B.S.). Waitotara estuary, occasional visitor on passage; 2 on 1/2/59; 1 on 17/1/60 (M.J.I., I.G.A.). L. Howard, Rangitata R., 2 on 26/12/58 (D.M.). Heathcote-Avon estuary, c. 2000 on 18/8/60 (M.J.I.). L. Lyndon, 14 on 21/1/60 (J.G. & L.E.W.). Aramoana, c. 100 on 22/10/59; c. 400 on 28/2/60. Hooper's Inlet, c. 200 on 17/12/59; Wickcliffe Bay, 12 on 26/3/60; Green I. lagoon, 10 in 5/3/60 (W.T.P.).

N.I. (VARIABLE) OYSTERCATCHER (*Haematopus unicolor reischeki*) — Ngunguru, 16 on 12/5/60, showing much variation, five being 'all blacks.' Waipu estuary, 1 pr. on 3/7/60 (R.B.S.). Ruakaka, 6 on 17/9/60 (A. & J.P.). Muriwai, north end of beach, 4 on 17/7/60

(D.A.U., R.B.S.). Waikato estuary, 3 on 24/8/60 Mercury Bay, 1 pr. (black) on Buffalo Beach 31/8/60; Tairua, 4 prs. (black) and 3 together, only one of which was pied smudgily, on 1/9/60; Whangamata, 1 pr. (black) on 2/9/60. Bowentown, 4 on 6/8/60, all typical big *reischeki* (R.B.S.). Mixed pairs are seen at Otumoetai, Tauranga and on Mt. Maunganui coast (M.H., R.V.McL.). Tarawera estuary, 3 on 5/9/60 (P.D.G.S.). Rurimu Rocks, 3 (all black) on beach (W.T.P.). Waitotara, 1 pr. regularly seen, dark phase (M.J.I., I.G.A.). Waikanae, 16 on 25/1/60 (only one showing some white) (P.D.G.S.).

BLACK OYSTERCATCHER (*Haematopus u. unicolor*) — Katiki Beach, Otago, 2 on 20/2/60 (L.E.W.). Brighton, 15/6/60, 16 flying and bathing in creek. Paterson's Inlet, 12 on 28/12/59; 1 pr. and 2 chicks on 7/1/60 (W.T.P.).

PACIFIC GOLDEN PLOVER (*Charadrius dominicus fulvus*) — Mid-Kaipara, 10 on 1/2/60 (R.B.S.). Muriwai Lagoon, Gisborne, 11 on 13/3/60, 3 being well-blackened (J.W.B.). Waitotara, 6 on 17/1/60 and 16/2/60 (I.G.A., M.J.I.).

BANDED DOTTEREL (*Charadrius bicinctus*) — Ruakaka, 1 pr on 3/7/60; Mid-Kaipara, c. 10 on 1/2/60; c. 60 on 1/5/60; Whatipu, Manukau Heads, c. 40 on 6/6/60 (R.B.S.). Muriwai, 4 over 15 miles on 23/8/60; Bethells, 5 on 22/12/59; 2 on 20/8/60 (P.D.G.S., M.J.H., N.J.L.). Tairua, Coromandel, 3 on 1/9/60 (R.B.S.). Mt. Maunganui wharf area, 3 on cleared sandy wastes as if nesting, 27/12/59 (M.H.). Ocean Beach, 9 prs. over 7 miles on 1/9/60 (P.D.G.S.). Peketahi Bridge, c. 12 on 6/9/59; Kawerau, 30/12/59, 1 perched on a geothermal pipe (W.T.P.). Gisborne aerodrome, 21/3/60, 20 amongst aircraft on apron by hangar (J.W.B.). Waitotara, 6 juv. on 4/11/59; 40+ on 17/1/60 and 16/2/60; 13+ on 14/5/60 (I.G.A., M.J.I.). Harwood Flats, Otago Hr., 51 on 26/6/60 (T.R.B.). Upper Waimakariri, Dec. '57, several; Clyde R., several between Erewhon and Frances R., 26-27/12/58 (D.M.).

RED-BREADED DOTTEREL (*Charadrius obscurus*) — Bay of Islands, 5 at full tide on beach of Motu-arohia on 16/5/60 (R.B.S.). Marsden Bay, c. 20 on 24/11/59 (O.C.). Ruakaka, 9 on 17/9/60; Te Arai, 3; Pakiri, 9 on 25/9/60 (A. & J.P.). Mid-Kaipara, 8 on 1/2/60; 25 on 1/5/60; Whatipu, 11 on 6/6/60; Waikato estuary, 15 on 24/8/60 (R.B.S.). Muriwai, north end of beach, 13 on 17/1/60 (R.B.S., D.A.U.); 2 prs. on 23/8/60; Bethells, 2 prs. on 20/8/60 (P.D.G.S., D.G.F., M.J.H., N.J.L.). Clevedon, 3 on 19/3/60; 5 on 29/3/60; c. 12 on 7/5/60, c. 4 coloured; 5 on 23/8/60, 2 red (H.R.McK.). Cabbage Bay, Coromandel, 6 on 30/8/60; Kuaotunu, 1 pr. with several scrapes, on 31/8/60; Tairua, 1 on 1/9/60 (R.B.S.). Tauranga, Otumoetai Beach, 3 on 31/8/59; up to 5 13/11/59-27/5/60 (M.H.). Ohaki, near Broadlands, 5/3/60, 1 at lake (H.M.McK.).

WRYBILL (*Anarhynchus frontalis*) — Mid-Kaipara, c. 80 on 1/2/60; c. 215 on 1/5/60; Muriwai, only 6 along whole beach, 35 miles, on 17/7/60 (R.B.S., D.A.U.). Whatipu, 3 on 6/6/60 (A.T.E., B.D.B., R.B.S.). Waitotara, usually a few after mid-summer, 4 on 17/1/60; 1 on 16/2/60. Hokio Beach, 1 on 19/1/58; 2 on 14/5/60 (M.J.I., I.G.A., H.R.McK.).

BAR-TAILED GODWIT (*Limosa lapponica baueri*) — Mid-Kaipara, c. 3000 on 1/2/60; c. 100 on 1/5/60 (R.B.S., J.P.). Muriwai, only 3

along whole length of beach on 17/7/60 (D.A.U., R.B.S.). Clevedon, c. 135 on 27/9/59; c. 1200 on 19/3/60, 40% very red; c. 550 on 21/3/60; 200+ on 30/3/60, 66% red; 30+ on 7/5/60, 4 quite red; 13/6/60 (H.R.McK.). Tamaki, c. 2500 on 29/11/59, (P.D.G.S.). Bowentown, 25 on 6/8/60 (R.B.S.). Tauranga, Sulphur Pt., July-Aug. '59, c. 200; Sept. c. 250; c. 800 on 4/10/59; apparently fewer over summer; 600+ on 15/2/60. Waikaraeo, 600+ on 14/3/60; during winter only 40-50 (M.H.). Rat I., and Waimapu Inlet, max. c. 80 in March; 24 on 4/6/60 (R.V.McL.). Maketu, 3 on 8/3/60; Little Waihi, c. 50 (H.R.McK.). Gisborne, Muriwai Lagoon, 70 on 14/11/59 (A.B.). 23 on 26/12/59; 1 on 3/4/60 (J.W.B.). Kawhia, c. 300 throughout winter (W.S.S.). Waitotara, 27 on 4/11/59 (M.J.I.). Petone beach, 3 on 13/11/59 (I.G.A.). Heathcote-Avon estuary, 230+ on 18/8/60 (M.J.I.). Aramoana, c. 100 on 22/10/59; c. 450 on 28/2/60; Hooper's Inlet, 200+ on 17/12/59 (W.T.P.). Harwood Flats, 2 on 26/6/60 (T.R.B.).

TEREK SANDPIPER (*Xenus cinereus*) — Mid-Kaipara, 1 on 1/5/60, evidently wintering (R.B.S., D.A.U., J.P.). (c.f. *Notornis VIII*, 265-266)

TATTLER (*Heteroscelus incanus subsp.?*) — 1 on a rocky outcrop on Kuaotunu beach, Coromandel, bobbing and feeding at the edge of the waves at the end of February '60 (G.J.M.). Muriwai Lagoon, Gisborne, 1 on 13/3/60 (J.W.B., A.B.).

TURNSTONE (*Arenaria interpres*) — Mid-Kaipara, 23 on 1/2/60; 21 on 1/5/60 (J.P., R.B.S., D.G.F., D.A.U.), Muriwai Lagoon, Gisborne, 3 on 12/3/60 (J.W.B.).

KNOT (*Calidris canutus*) — Mid-Kaipara, 500+ on 1/2/60 (R.B.S., D.G.F.). Muriwai Lagoon, Gisborne, 1 on 26/12/59 and 13/3/60 (J.W.B.).

SHARP-TAILED SANDPIPER (*Calidris acuminata*) — Gisborne, Muriwai Lagoon, 1 on 13/3/60 (J.W.B., A.B.). Waitotara, 1 on 4/11/59 (M.J.I.).

RED-NECKED STINT (*Calidris ruficollis*) — Mid-Kaipara, 4 on 1/2/60 (R.B.S., D.G.F.).

PIED STILT (*Himantopus leucocephalus*) — Oturu, Kaitaia, 2 nests each with 3 eggs, hatched successfully, Oct. '60 (K.R.B.). Waitangi, 2 on 18/5/60, the only two seen in the Bay of Islands in mid-May. Taporu, mid-Kaipara, 1 pr. reported to have bred (R.B.S.). Little Barrier, 1 on 28/10/59; 3/11/59 and again on 7/1/60 (R.H.B.). East Tamaki, 2 nests each with four eggs, early Sept. '60 (K.C.B.C.). Cabbage Bay, Coromandel, 3 or 4 prs. on 30/8/60, apparently preparing to nest. Tairua, 1 pr. in 1/9/60 (R.B.S.). Ngatea, c. 10 prs. with eggs 31/8/60-9/9/60 (P.D.G.S.). Tauranga Hr., up to 70 at Rat I. at full tide (R.V.McL.); 5 prs. nesting near Matapihi on 9/9/60 (P.D.G.S.). Rangitaiki Plains, spring '59, some nesting sites abandoned because of drought (W.T.P.). Waimangu, 50+ on 17/4/60 (M.J.I.). Minginui, 15/10/59, one pair on riverbed; Dec., heard flying high at night. L. Whakaki, 5-7/5/60, max. 30, lake too full (R.St.P.). Waitotara, up to 70, Jan.-May '60 (M.J.I.). Merton, numerous on 2/8/59 (J.G. & L.E.W.). Aramoana, 45 on

28/2/60; Dunedin reclamation, 128+ on 23/2/60; 35+ on 30/6/60; Papanui Inlet, c. 60 on 26/3/60; Hooper's Inlet, 30+ on 21/3/60; Green I. Lagoon, 40 on 15/8/59; 189+ on 19/4/60 (W.T.P.).

BLACK STILT (*Himantopus novaeseelandiae*) — A perfect example frequented the Whau estuary for some months during the winter of 1958. It appeared to be a bird of different proportions, especially in flight, from the Pied Stilts with which it was usually associating (R.B.S., J.P.).

POMARINE SKUA (*Stercorarius pomarinus*) — One well seen from the cliffs at Muriwai on 17/1/60; strikingly big, light phase, with a conspicuous white area at the base of the primaries and a pale buff and whitish rump (R.B.S., D.A.U.).

ARCTIC SKUA (*Stercorarius parasiticus*) — Greymouth, seen between 12/11/59 and 10/4/60, when two appeared to be displaying (P.G.).

SOUTHERN BLACK-BACKED GULL (*Larus dominicanus*) — Rangitoto, most nests had three eggs by 26/10/59 (P.D.G.S., M.J.H.). Otago Peninsula and Dunedin Harbour, flocks up to 500 after breeding season (W.T.P.).

RED-BILLED GULL (*Larus novaehollandiae scopulinus*) — Muriwai, a breeding colony now established on a pinnacle off the cliffs at the southern end of the beach; c. 30 on nests on 26/10/59; c. 20 more nests under dwarf pohutukawas on 19/12/59 (P.D.G.S., M.J.H.). 17/1/60, 2 still occupying nests and 3 large speckled young roaming (R.B.S., D.A.U.). Tauranga, birds reappeared in streets in third week of Jan. (R.V.McL.). Lizard I., Rurimu Rocks, small colony on cliff-face 12/12/59 (W.T.P.). Pararaki, New Plymouth, 1000+ preparing to nest on 8/9/60 (D.M.). Waitotara, a few occasionally (M.J.I.). Otago Peninsula and Dunedin Harbour, flocks of hundreds in autumn and winter (W.T.P.).

BLACK-BILLED GULL (*Larus bulleri*) — Waitotara, 2 on 15/2/59; 1 on 17/1/60; possibly the normal northern terminus on the west coast of the North Island (M.J.I.). Brighton, 16 on 15/6/60 (W.T.P.).

BLACK-FRONTED TERN (*Chlidonias albobristatus*) — Tarawera estuary 4 on 8/3/60, 1 being juv. (H.R.McK., H.M.McK.). Rurimu Rocks, 12 on 12/12/59 (W.T.P.). Erewhon, Rangitata R., c. 12 on 26/12/58 (D.M.).

WHITE-WINGED BLACK TERN (*Chlidonias leucopterus*) — Upper Tamaki, 1 on 17/11/59, probably the same as was often seen in upper Manukau (P.D.G.S.) (cf. p. 95).

CASPIAN TERN (*Hydroprogne caspia*) — Paihia, 12 on 15/5/60; Muriwai, north end near Wainui Inlet, 30+ nestlings nearly flying; but some downy young still in nests on 17/1/60; many eggs washed out by big tides about Jan. 1st (R.B.S., D.A.U.). Cabbage Bay, Coromandel, 30+ on 30/8/60 (R.B.S.). Tauranga Hr., 20+ at Wairoa rivermouth on 20/11/59 (R.V.McL.). Whatipu, 28/8/60, at least 2 prs. very hostile (P.D.G.S.). Waitotara, usually a few (M.J.I.). Palmerston North, some fly up the Manawatu, e.g. 2 on 22/5/60 (I.G.A.). Palliser Spit, 6/1/60, 1 nest with 2 eggs (C.N.C.). Rabbit I., Nelson, 4 on 12/1/60 (L.E.W.).

WHITE-FRONTED TERN (*Sterna striata*) — Paihia, c. 100 on 19/5/60. Muriwai, north end of beach, a few still feeding young on 17/1/60 (R.B.S., D.A.U.); cliffs and pinnacles at south end, 600 prs., fresh eggs on 26/10/59 (P.D.G.S., M.J.H.). Lizard I., Rurimu Rocks, 12/12/59, 200-300 on reef. Club Rocks, White Island, 22/11/59, c. 70 nests (W.T.P.). Waitotara, up to 20 (M.J.I.). Aramoana, 200 on 22/10/59; c. 800 on 28/2/60. St Clair, some throughout summer (W.T.P.).

TERN (*Sterna albifrons/nereis*) — Small dark-billed terns were again reported from widely scattered localities. Whangaruru, 23/4/60, one in flock of 60 White-fronted Terns on old wharf (R.H.B.). Mataitai, Clevedon, 21/3/60, 1 (W.L.M.). Mid-Kaipara, 3 on 1/2/60 (R.B.S., D.G.F.). Greymouth, 1 on 1/10/59 and 12/12/59 (P.G.) (cf. *Notornis* VIII, 163).

FAIRY TERN (*Sterna nereis*) — 5 at Te Arai on 27/12/60 (J. & A.P.). **N.Z. PIGEON** (*Hemiphaga novaeseelandiae*) — Moumoukai, Clevedon, some increase; flights of 12 and 7, July '60 (J.W.St.P.). Otumoetai, Tauranga, 28/8/59, feeding on berries of *Idesia polycarpa* (M.H.). Minginui '59-'60, Aug.-Jan., up to 4 seen daily; Feb.-July, up to 35. 50, 50, 24, 15, 4. Food: Aug.-Sept., seen on putaputaweta, miro; Oct., lacebark leaves, miro; Nov.-Dec., leaves only; Jan., konini; Feb., konini, then tawa and matai; March-May, tawa, matai, miro; June, miro; July, miro, then putaputaweta and lacebark leaves (R.St.P.). Mt. Holdsworth, 1 at 3500ft. on 4/7/59 (I.G.A.). Okuti Valley, 2 on 12/5/60 (J.G. & L.E.W.). Adams-Wanganui rivers, South Westland, Jan. '59, plentiful (D.M.). Trotter's Gorge, 20/2/60, 3 (O.C.). Ross Creek, 4 on 4/11/59; Stewart I., Dec.-Jan., plentiful (W.T.P.).

ROCK PIGEON (*Columba livia*) — St. Clair, 200+ roosting all year round in cliffs (W.T.P.).

MALAY SPOTTED DOVE (*Streptopelia chinensis tigrina*) — As it slowly spreads south, now established at Puhinui, summer '59-'60 (K.C.B.C.).

KAKA (*Nestor meridionalis*) — Little Barrier, Oct. '59, 12 coming to be fed at house; May '60, 2 flying on to wrist to take syrup and apple (R.H.B.). Moumoukai, now scarce; one seen occasionally (J.W.St.P.). Clevedon, 30/4/60, one reported on one day only tearing bark from a mature pine (W.W.R.). Minginui, 4-12 seen most days. Food seen taken: May-Aug., grubs; Jan.-May, matai; Apr.-June, miro (R.St.P.). Waikareiti track, 3 on 2/1/60 (A.B.). Tauhara, 2 near summit on 20/5/60 (P.D.G.S.). Moerangi, West Taupo, several in mid-May '59 (F.P.H.). Tauherenikau Valley, Taranui, 5/6/60, several (I.G.A.). Stewart I., Dec.-Jan., up to 12 seen per day (W.T.P.).

KEA (*Nestor notabilis*) — L. Lyndon, 1 on road 21/1/60 (L.E.W.). Mt. Harper, up to 4500ft. Dec. '57; Frances River, Upper Rangitata, Dec. '58, plentiful at 3500 ft.; Adams River, South Westland, Jan. '59, plentiful on flats at 2500ft. (D.M.).

WHITE COCKATOO (*Kakatoe galerita*) — Clevedon, 1 very noisy, 12-13/10/60 (G.O.). Regularly appearing at Puni, north of lower Waikato, in small parties (K.C.B.C.).

EASTERN ROSELLA (*Platycercus eximius*) — Still spreading northwards. Punaruku, near Whangaruru, up to 18 seen 21-25/4/60 (R.H.B.). Parore, Northland, 5, Feb. '60 (E.H.M.). Whiteman's Valley, Upper Hutt, Aug. '60, 3 flushed from banks of Mangaroa R. (H.L.S.).

RED-FRONTED PARAKEET (*Cyanoramphus novaezelandiae*) — Punaruku, Whangaruru, one feeding on inkweed and cocksfoot; not associating with nearby Rosellas (R.H.B.). Mahoenui, 1960, reported present in high ranges, but may be *auriceps* (W.L.M.).

YELLOW-CROWNED PARAKEET (*Cyanoramphus auriceps*) — Minginui, up to 7, but usually one pair, which, Jan.-Feb., had a nest 40ft. up in a dry kahikatea; no young known to have been reared (R.St.P.). Waikareiti track and around Waikaremoana, 27/2-6/3/59, heard every day (F.P.H.). 2/1/60, 4 settled close when called (A.B.).

SHINING CUCKOO (*Chalcites lucidus*) — First song: Whangarei, 18/10/59 (O.C.). Little Barrier, 7/10/59 (R.H.B.). Remuera, 8/10/58; 12/10/59; 14/10/60 (R.B.S. *et al.*). Clevedon, 22/9/59 (A.J.G.). Moumoukai, 18/9/59 (J.W.St.P.). Minginui, 5/10/59 (R.St.P.). Miranda, 16/10/59 (A.T.). Bulls, 21/9/59 (D.M.). Kelburn, 31/10/59 (I.G.A.). Karioi State Forest, 26/9/59 (C.N.C.). Akatore, 10/10/59 (L.E.W.). Reports from Duder's Beach to Clevedon, 6 miles of good habitat; 23/9/59, first song (Mrs. Zister). 29/9/59, seen and full urgent song; 30th and Oct. 4, 5, not full. Strong but no downward notes. Next one heard Oct. 20th (Mrs. M. J. Blundell). 24, 26/9/59, 2/10/59, not full, 12th, full, prolonged; 14th, not full, 16th and after, full song (Mrs. A. R. Browne). 26, 29/9/59, 3, 6, 8, 9, 11, 12, 14/10/59, not full. 15/10/59, first full song (Miss M. Waters). 24/9/59, first song (Misses K. & D. Browne). 25/9/59, first song, not strong but one downward note added. 30/9/59, at Clevedon, first full song with downward notes (H.R.McK.).

Last seen or heard:— Whangarei, 18/4/59 (O.C.). Clevedon, 23/3/60 (W.L.M.). Miranda, 30/1/60 (A.T.). Moumoukai, 13/1/60 (J.W.St.P.). Minginui, 4/2/60 (R.St.P.).

Minginui, 15/1/60, several in 'parliament' (R.St.P.). Geraldine, 12/2/60, a male flew into a window and knocked itself out (P.C.). Stewart I., 28/12/59, juv. flying (W.T.P.). Whakatiri, Clevedon, 2 seen on 26 and 28/7/59 in a kowhai beside house; not seen again; no song or call; reported by Miss Beverly Lake to H.R.McK.

LONG-TAILED CUCKOO (*Eudynamis taitensis*) — Little Barrier, first seen and heard 21/10/59 (R.H.B.). Clevedon, 30/12/59, 1 calling at 3 a.m.; 19, 20 and 21/2/60, 1 called both during day and night; 25/2/60, 1 flying north calling at 0945 hrs.; 28/2/60, 1 flying north calling at 0700 hrs. (H.R.McK.). Oropi Bush, Tauranga, 28/11/59, many calls (R.V.McL.). Minginui, first seen and heard 31/10/59; last seen 20/2/60; move up to beech country in Jan. (R.St.P.). North Mt. Egmont, 12/1/58, 1 at 3500ft.; Orongoronga R., still plentiful 12/2/60; Anti-Crow Hut (2300ft.) Waimakariri R., 1 on 31/12/57 (D.M.). Karioi State Forest, first call 10/10/59; frequent calls by 28/10/59 (C.N.C.). Halfmoon Bay, Stewart I., 2 on 15/1/59 (W.T.P.).

MOREPORK (*Ninox novaeseelandiae*) — Middlemore, nest with 2 eggs in nesting-box 23/10/60 (K.C.B.C.). North Mt. Egmont, 14/3/58, 1 calling at 3200ft.; uncommon on Egmont itself (D.M.).

- LITTLE OWL (*Athene noctua*) — Ngahere, 15/6/59 (P.G.). Dunedin, not so common as formerly (W.T.P.).
- KINGFISHER (*Halcyon sancta vagans*) — Little Barrier; twice observed attacking young Song thrushes with vicious determination (R.H.B.). Minginui, usual influx for breeding began about 15/9/59; very regular mid-Sept. every year (R.St.P.). The status of this bird in Otago and Southland needs investigating. Merton, 5 on 2/8/59 (J.G. & L.E.W.). Aramoana, 2 on 28/2/60; Black Head, 1 on 28/7/59 (W.T.P.). Signal Hill, 1 on 9/7/60 (D.N.F.C.).
- N.I. RIFLEMAN (*Acanthisitta chloris granti*) — Little Barrier, 2/11/59, seen at Hingaia; Nov. '59, pair living near house; Dec. '59, 2 nests located in old puriri trees (R.H.B.). Waikareiti track, 2/1/60, again plentiful (A.B.). Kaimanawas, the commonest bird of the beech forest (F.P.H.). Mt. Holdsworth, 6/7/59, common up to 3500ft. (I.G.A.).
- S.I. RIFLEMAN (*Acanthisitta c. chloris*) — Upper Waimakariri R., Dec. '57, plentiful; Adams R., Jan. '59, plentiful (D.M.). Gunn's Bush, Waimate, 12/1/60, 2 with fledgling (A.C.P.). Otakou, 2 on 9/9/59 (W.T.P.).
- ROCK WREN (*Xenicus gilviventris*) — Harman Pass (4310ft.), Upper Waimakariri R., 1 on 24 and 25/12/57; headwaters Adams R., 5/1/59, one on scree at 5000ft. at junction of Beelzebub and Adams Glaciers (D.M.). Bowen R., Milford, 13/3/60, several (D.M.). Mt. Bevan, 1 at 5500 ft. (P.C.).
- FANTAIL (*Rhipidura fuliginosa*) — Kaipara Flats, '60, fine nests of different ages in rata vines under overhanging rock 15ft. from ground and about 2ft. apart, roughly in a row (F.P.H.). Whakatane, 19/6/60, one with all-white tail (W.T.P.). Upper Waimakariri R., 1 at Carlington Hut (2500ft.) on 25/12/57 (D.M.).
- PIED TIT (*Petroica macrocephala toitoi*) — Moumoukai, now scarce; a puzzling decrease (J.W.St.P.). Minginui, often in scrub; song heard only Jan.-May (R.St.P.). Waikareiti track, 2/1/60, numerous (A.B.). Kaimanawas, 1-8/3/60, many (F.P.H.). Mahoenui, a few in patches of bush (W.L.M.). Moerangi, west Taupo, 14/5/59, plentiful (F.P.H.). Goat Hill, Akatarawas, Dec. '58-'59, persistent trilling recorded; but in lowland bush, Eastbourne, 15 miles south-east, trilling seems to cease about six weeks earlier (H.L.S.).
- YELLOW-BREASTED TIT (*Petroica m. macrocephala*) — Leith Saddle, 1 on 19/9/59; Wairongoa, 1 on 23/4/60 (W.T.P.). Trotter's Gorge, 20/2/60, 3 males and 1 female (O.C.).
- N.I. ROBIN (*Petroica australis longipes*) — Tauranga, Oropi Bush, 14/11/60 (M.A.S.). Minginui, song begun about Aug. 7, and continued till June (R.St.P.). Karioi State Forest, 18/9/59 and 14/10/59, observed only in compartments of Douglas Fir (C.N.C.). Waikaremoana, 27/2/-6/3/59, only 2 seen (F.P.H.).
- S.I. ROBIN (*Petroica a. australis*) — Atarau, appeared plentiful (P.G.).
- FERNBIRD (*Bowdleria punctata*) — Pakiri, flourishing colony; 18/9/60, one carrying white feather (A.P., G.J.M.). Mahoenui, many in raupo swamps (W.L.M.). Tongariro National Park, 17/4/60, present in fair numbers in scrub-bog (*Dracophyllum* association) at 400ft. between

- Whakapapa Valley and Mt. Hauhungatahi (I.G.A.). L. Tutira, 16/5/60, 1 seen and 3 heard at north end (A.B.).
- BROWN CREEPER** (*Finschia novaeseelandiae*) — Signal Hill Rd., Dunedin, 12 on 9/7/60 (A.C.P.). Ross Creek, 3 on 22/8/59; Mihiwaka, 1 on 7/5/60 (W.T.P.). Gunn's Bush, Hunter Hills, Waimate, 12/1/60, small flocks feeding and in song (D.N.F.C.).
- WHITEHEAD** (*Mohoua albigilla*) — Little Barrier, Aug. '59, flocks up to 50 working through kanuka (R.H.B.). Minginui, monthly counts vary from 20 to 50; first flying seen in Jan.; amount of song and calling varies oddly throughout year (R.St.P.). Not observed in Karioi exotic forest, but small numbers present in adjacent indigenous forest (C.N.C.). Waikareiti track, 2/1/60, small numbers (A.B.).
- YELLOWHEAD** (*Mohoua o. ochrocephala*) — Trotter's Gorge, 2 on 20/2/60 (O.C.).
- GREY WARBLER** (*Gerygone igata*) — Clevedon, 4/10/59, one taking fibre from a tree-trunk readily accepted human hair when it was hung in the tree (M.J.B.). 22/10/59, one eating cooked rice put out on lawn; 3/1/60, one of three young starting to sing; 4/1/60, all three trying and improving (H.M.McK.). Gisborne, a very early nest with eggs on 25/7/60 (D.M.). Minginui, song nearly all year, but less in early winter and none from late June to late July (R.St.P.).
- SONG THRUSH** (*Turdus ericetorum*) — Ardmore, winter nesting; nest being built on 15/6/59; 3 eggs on June 24; chicks hatched on night of July 6 (B.L.G.). Gisborne, nest with week-old chicks on 18/7/60 (A.B.). Tauranga, powerful song on 21 and 24/3/60, but not regular daily for some weeks (R.V.McL.). Minginui, song ended 7/2/60; begun again 15/4/60, faded somewhat in June and began with renewed vigour about 20/7/60 (R.St.P.).
- BLACKBIRD** (*Turdus merula*) — Minginui, singing heard from 21/9/59 to 7/2/60 (R.St.P.); seen feeding on matai Apr.-May; putaputaweta, June-July (R.St.P.). Kaimanawas, one seen at 5000ft. (F.P.H.). Kelburn, first song 26/7/59 (I.G.A.).
- HEDGE-SPARROW** (*Prunella modularis*) — Clevedon, 5/1/60, 1 juv. on wires with adult, starting to sing (H.M.McK.). Tauranga, first song heard 20/4/60 (R.V.McL.). Minginui, singing from 24/9/59 to early Feb. (R.St.P.).
- PIPIT** (*Anthus novaeseelandiae*) — Whatipu, Manukau Heads, 25+ on 6/6/60, feeding scattered over wet sand among Banded Dotterels (R.B.S., B.D.B.). North Mt. Egmont, 1 at 6500ft. on 2/3/58; Upper Waimakariri, several at Barker Bivouac at 6000ft. on 28/12/57 (D.M.). Plentiful all round Dunedin (W.T.P.).
- BELLBIRD** (*Anthornis melanura*) — Moumoukai, Clevedon, one heard occasionally near Mt. Kohukohunui. Bellbirds came to the Moumoukai bush in 1942, increased up to 1952 and spread as far as Clevedon by 1948. Now only a remnant survives (J.W.St.P.). Ohiwa Hr., present in small numbers (W.T.P.). Minginui, 1959-60, Aug., up to 40 seen daily, then 35 to 90 up to March; April, 450; May, 500; June, 30, then 3; July, 10. Food: Winter and spring, putaputaweta fruit; spring and summer, fuchsia flower and fruit, cicada and other insects, wineberry; autumn, fruit of *coprosma lucida*, matai and puta-

putaweta. The last was a great stand-by to several species after a storm destroyed the fruits of the higher trees (R.St.P.). Motikio, Gisborne, 15/7/60, first one seen for many years (R.A.C.). Palmerston North, Aug. '59, several (I.G.A.). Kaimanawas, 1-8/3/60, 'belling' about the 'desert' and lower bush, but not in the higher bush (F.P.H.). About Dunedin and on Stewart I., many (W.T.P.). Adams-Wanganui rivers, South Westland, Jan. '59, plentiful (D.M.).

TUI (*Prothemadera novaeseelandiae*) — Kaipara Flats, Dec. '59, seen daily eating 'Irish Peach' apples; April, eating 'Delicious' apples (F.P.H.). Ness Valley, Clevedon, 22/3/60, 13 eating kahikatea fruit (W.L.M.). Minginui, 1959-60, Aug.-Nov., most seen daily each month, up to 40, 50, 100, 100; Dec.-March, 50 to 80; Apr., 450; May, 500; June, 20, then down to 1. A storm destroyed most of fruits; July, 1, then 4. Foods: In their seasons, putaputaweta fruit, kowhai and fuchsia flower, cicada and other insects, fuchsia fruit (konini) and matai. Song throughout year, but less in early winter (R.St.P.). Adams-Wanganui R., South Westland, Jan. '59, plentiful (D.M.). Akatore, 2 on 10/10/59 (K.K., L.E.W.). Stewart I., very common; one seen to catch, chew and reject a Magpie Moth (W.T.P.).

STITCHBIRD (*Notiomystis cincta*) — Little Barrier, 12/7/59, 6 seen on Thumb Track; 29/8/59, 9 on Summit Track (R.H.B.).

SILVEREYE (*Zosterops lateralis*) — Clevedon, 5/1/60, 1 young starting to sing (H.M.McK.). Minginui, '59-'60, Aug.-Dec., scarce, often none seen; Jan.-Feb., up to 30; Mar.-May, c. 150; June, 60; July, 40. Food noted: Feb., blackberry and wineberry; June, putaputaweta and patete fruit (R.St.P.). Moerangi, top of Hauhungaroa Range, mid-May '59, great numbers; Kaimanawas, 1-8/3/60, at 3450ft., two broods were flushed from their nests (F.P.H.). Dunedin, common 9/7/59; Stewart I., Dec. Jan., common and well spread (W.T.P.).

GREENFINCH (*Chloris chloris*) — Minginui, '59-'60, very scarce; but up to 40 May-June (R.St.P.). Dunedin, form the largest part of flocks of mixed finches; up to 600 on grass-seeds during July '59 (W.T.P.).

GOLDFINCH (*Carduelis carduelis*) — Moumoukai, Clevedon, flock of c. 30 living about hilltop all winter (J.W.St.P.). Auckland Domain, 9/5/60, eating dry seeds of pohutukawa (R.B.S.). Minginui, Aug.-April, odd birds sometimes; May, c. 600, 500 being in one flock; June, c. 500, then down to c. 100; July, 40. Food noted: seeds of dandelion, thistle, ragwort, giant groundsel (R.St.P.). Kaimanawas, 1-8/3/60, a large flock passed over at 4800ft. (F.P.H.). Dunedin, small parties common in autumn and winter (W.T.P.).

LESSER REDPOLL (*Carduelis flammea*) — Muriwai lakes, usually a few; evidently breeds (R.B.S.). Clevedon, 1 on 1/9/59 (A.J.G.). Mangatangi, 1 on 25/10/60 (R.B.S.). Minginui, erratic as usual; odd birds and small lots; but flocks Oct., up to 30; c. 300 in April; 30-40 in May (R.St.P.). Field's Track, Tararua, 3/7/60, group of five seen at 4200ft., above snowline. (I.G.A.). Mt. Stewart, Upper Waimakariri, 31/12/57, abundant to 4500ft. Adams R., South Westland, Jan. '59, numerous (D.M.). Dunedin, winter flocks up to 300 (W.T.P.).

CHAFFINCH (*Fringilla coelebs*) — Moerangi, West Taupo, mid-May '59, in cut-over bush a continuous loose flock for miles (F.P.H.).

Dunedin, second in number only to Greenfinch in winter flocks of mixed finches (W.T.P.).

YELLOW HAMMER (*Emberiza citrinella*) — Little Barrier, Sept. '59, several about bush fringe and flat (R.H.B.). Middelmore, 19/8/60, one starting to sing (R.B.S.). Tauranga, still singing freely, 23/2/60; Moerangi, in cut-over bush, mid-May '59, a continuous loose flock for miles (F.P.H.). Minginui, odd ones only, but flock of 50 in March; none Nov.-Dec., so apparently does not breed locally (R.St.P.). Dunedin, about 10% of mixed flocks of finches on seeds in winter (W.T.P.).

STARLING (*Sturnus vulgaris*) — Minginui, up to 100; but very few in Feb. No large flocks this year (R.St.P.). Tauranga, in summer up to 2000 roost at Waimapu Inlet (M.H.). Wellington Peninsula, 1938-1956, first young invariably fledged third week of November. Fledging up to 14 days earlier at Upper Hutt, 20 miles away, 1956-1960 (H.L.S.).

MYNA (*Acridotheres tristis*) — The invasion of the Coromandel Peninsula appears to be complete; 200+ on Thames rubbish tip on 30/8/60; 40 round a chicken run at Whitianga on 31/8/60; present at all settlements (R.B.S.). Minginui, increasing; up to 14 in one flock (R.St.P.). Levin, 1 on 5/4/60 (R.H.B.). Naenae, Lower Hutt, 4 reported seen on 29/5/60 (I.G.A.). Bay of Plenty, still increasing; flocks of up to 100 seen; often feeds on beaches. (R.V.McL., W.T.P., M.H.).

BLACK-BACKED MAGPIE (*Gymnorhina tibicen*) — Otane, 1 on 25/3/60; Levin, 1 on 7/9/60 (D.M.).

WHITE-BACKED MAGPIE (*Gymnorhina hypoleuca*) — Maungaturoto, 4 in township; Brynderwyn, 10 on farm, 5/3/60; Tauranga, so far not known here (R.V.McL.). Whakatiri, Clevedon, 11/7/59, party of 8 reported by Mr. F. Luke (H.R.McK.). Kaimanawas, head of Waiotaka R., 3 in tussock country at 4000ft. on 3/3/60 (F.P.H.). Orongorongo Valley, 3 at Bain's Hut, 6/2/60, Greenlaw Hut, 2500ft., up Waimakariri R., 1 on 23/12/57 (D.M.).

KOKAKO (*Callaeas cinerea wilsoni*) — Moumoukai, Clevedon, '59-'60, numbers maintained but song has decreased in last few years (J.W.St.P.). Tauranga, Oropi Bush, reliably reported present (R.V.McL.). Motu R., Gisborne, Feb. '60, party of 12 reported on three occasions by J. H. McKay (A.B.).



ANNUAL LOCALITY REPORTS

FIRTH OF THAMES

LITTLE BLACK SHAG — 10 on old wharf at Thames on 13/8/59.

SPOTTED SHAG — These continue to visit the Wharekawa coast. 48 at Tarata Pt. on 12/9/59 (A.J.G.); 3 on 15/7/60.

WHITE-FACED HERON — Frequently seen among the mangroves at Kaiaua and Miranda. Evidently nesting inland.

BLUE HERON — A rare bird on the west side of the Firth. 1 at Kaiaua on 16/4/60 and 12/6/60.