

CLASSIFIED SUMMARISED NOTES, SOUTH AND CHATHAM ISLANDS

1 July 1990 to 30 June 1991

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Regional Recorders: G.D.Quayle – Nelson, B. North – Marlborough, R.Stocker – West Coast, A.Crossland – Canterbury, D.Onley – Otago, M.L.Barlow – Southland.

Abbreviations: ad adult; AF Airfield; asl above sea level; B Beach; Crk Creek; E East; Est Estuary; FP Forest Park; grp group; Hbr Harbour; Hd Head; HQ Headquarters; ha hectare; hrs hours; imm immature; I Island; Is Islands; juv juvenile; km kilometres; L Lake; Lgn Lagoon; max maximum; m metres; min minimum; Mt Mount; NP National Park; nr near; Nth North; pr pair; Pen Peninsula; Pt Point; Res Reservoir; R River; RM River Mouth; Rd Road; SP Sewage Ponds; Sd Sound; Sth South; Strm Stream; SF State Forest; Tee Terrace; V Valley; W West.

SOUTH ISLAND BROWN KIWI *Apteryx australis australis*

Spey and Seaforth V, calls and sign widespread up to bushline on 2-22/10 (IS).

STEWART ISLAND KIWI *A. australis lawryi*

Long Harry, 1 at 0345 hrs on 15/11/88. Between Waituna Bay and Big Hellfire B, 1 at 0945 hrs on 17/11/88. Little Hellfire B, 1 at 2000 hrs on 17/11/88. Mason Bay, 2 nr hut at 1730 hrs on 18/11/88 (P&KM).

GREAT SPOTTED KIWI *A. haastii*

Anatoki R headwaters, droppings seen on 16/5/90. Boulder L, NW Nelson, calling on 17/5/90 (MAH). Mt Alexander, 1 on 30/12. Marconi Hill, 1 on 10/1 (PG,RS). Arthur's Pass NP: Upper Deception V, nr bushline, 1 in Dec 1987 (CP). Mingha V, pr calling on 11/8, Wilham Saddle, prints in snow at 1340 m asl on 12/8, Edwards V, pr calling on 12/8, Arthur's Pass Village, pr frequently calling from opposite Rough Crk in Feb, Avalanche Peak, droppings seen nr bushline on 9/2, Hawden V, head of valley below Trudge Col pr calling and many feathers found in roost site on 16/3 (MAH).

SOUTHERN CRESTED GREBE *Podiceps cristatus*

L Rotoiti, Nelson, 1 on 5/9 (GU). L Rotoroa, nr Kaikoura, 6 on 9/8 (BEE). L Ianthe, 2 on 20/10 (AC). L Sarah, 2 on 18/12. L Grasmere, 2 on 18/12 (KCH,SP). L Pearson, c.10 ad on 17/11 (PAL), 6 ad, 2 chicks on 18/12 (KCH,SP), breeding continuing into Feb. L Catherine, 2 ad, 1 juv on 31/1. L Selfe, 1 ad, 1 half grown chick on 13/1. L Lyndon, 1 ad, 3 imm on 8/6 (PAL). L Forsyth, 12 ad, 2 imm on 8/7, 2 on 3/5 (KCH,SP), 9 ad, 2 juv on 29/5 (CFJO'D), 12 ad, 4 imm on 23/6 (AC). Kaituna Lgn, L Ellesmere, 2 on 15/5, 1 on 29/5 (CFJO'D). Ashburton Lakes winter count, total 43, L Heron, 11 on 21/7, L Emma, 3 on 21/7, L Clearwater, 29 on 21/7 (DGG). L Benmore, pr displaying on 4/11 (AA), 9 on 3/12 (ARB). L Aviemore, 1 on 23/6 (AW). Otago Pen, 2 unusual winter records indicating dispersal to coast: All Day Bay, 1 on 2/6 (ARB); Anderson's Lgn, 1 on 17/7 (D&JY). L Manapouri, none seen in 2 traverses of lake on 15/1. L Fergus and L Gunn, none seen on numerous visits over summer (CFJO'D).

AUSTRALASIAN LITTLE GREBE *Tachybaptus novaehollandiae*

Temporary pond, just north of Waitangitoana R, 1 on 6/4 (PJD,JMG,PEP). St Anne's Lgn, 1 ad on 5/2 (PAL).

SHY MOLLYMAWK *D. cauta cauta*

Karitane, regular from mid-April, sometimes in thousands (DJO). Otago Hbr, 5 following fishing boat on 5/12 (AA).

BULLER'S MOLLYMAWK *D. bulleri*

Karitane, regular from 20/4, in small numbers following fishing boats with max 15 on 30/6 (DJO).

SOOTY SHEARWATER *Puffinus bulleri*

Motunau I, breeding population appears to be stable or showing a slight increase since 1970 (CNC,PAL). Akaroa Hbr, 2 inside hbr on 10/12 (GRP). Karitane, last autumn record on 25/4 (DJO). Codfish I, 11 + 1 dead chick found in 50 study burrows on 18-28/3, the second low production in succession (WJC,JW).

FLUTTERING SHEARWATER *P. gavia*

Motunau I, c.20 either Hutton's or Fluttering Shearwaters feeding over reef with White-fronted Terns on 29/1 (PAL).

HUTTON'S SHEARWATER *P. huttoni*

Kaikoura Pen, c.100 in 30 min flying sth on 24/5. Akaroa Hbr, 1 inside hbr on 10/12 (GRP).

WESTLAND BLACK PETREL *P. westlandica*

Otago Hbr, 3 following fishing boat on 15/12 (AA).

WHITE-CHINNED PETREL *P. aequinoctialis*

Otago Hbr, 2 following fishing boat on 15/12 (AA).

CAPE PIGEON *Daption capense*

Karitane, 1 on 22/1, 1 on 20/4, c.10 on 13/6, c.10 around fishing boats and hundreds out at sea on 18/6 (DJO). Otago Hbr, 2 following fishing boat on 15/12 (AA).

ANTARCTIC FULMAR *Fulmarus glacialisoides*

Dunedin B, 1 on 17/5 released at Taiaroa Hd (MG).

GIANT PETREL *Macronectes* sp.

Karitane, 2 on 25/4 (DJO). Otago Hbr, 5 following fishing boat on 15/12 (AA).

FAIRY PRION *Pachyptila turtur*

Motunau I, breeding population appears to have decreased markedly due to changes in the island's vegetation pattern since 1965 (CNC,PAL). Hampden, 1 live bird caught by cat on 18/2, released at Moeraki (AA).

MOTTLED PETREL *Pterodroma inexpectata*

Codfish I, 16 chicks in 50 study burrows on 18-28/3, the second lowest number since 1986 (WJC,JW). Southern Ocean, 1 in pack-ice at about 64°S, 152°E on 31/12 (WJC).

COOK'S PETREL *P. cookii*

Codfish I, 11 + 3 dead chicks in 40 study burrows on 18-28/3, the lowest number since 1983 and half the number of live chicks found in 1990 (WJC,JW).

WILSON'S STORM PETREL *Oceanites oceanicus*

Nr Auckland Is, 50° 42' S, 167°0' E, 1 on deck of ship on evening of 26/1 (MJI).

WHITE-BELLIED STORM PETREL *Fregetta grallaria*

Hagley Park, Christchurch, 1 on 23/3/90 (LS).

YELLOW-EYED PENGUIN *Megadyptes antipodes*

Sumner B, Christchurch, 1 imm ashore on 18/8. Akaroa Hbr, 1 inside hbr on 10/12 (GRP). Stoney Bay, Bank's Pen, present on 15/12 (PAL). Bushey B, Oamaru, 5 ad, 1 nest with downy chick on 13/1 (CFJO'D).

BLUE PENGUIN *Eudyptula minor*

Carter's B, nesting in coastal dunes on 23/10 (CFJO'D). Rahu, many nesting on 16/11 (CSL). Motunau I, 520 large chicks banded during 1990-91 breeding season, 300-800 banded each season since 1975 with constant yearly banding effort (CNC,PAL). New Brighton B, Christchurch, 2 in surf on 21/6. Avon-Heathcote Est Mth, 1 on 31/12 (AC). Little Akaloa, 1 in outer bay on 14/7. Stoney Bay, Bank's Pen, breeding during 1990-91 season (PAL). Doubtful Sd, 3 on Hall Arm on 15/1 (CFJO'D).

FIORDLAND CRESTED PENGUIN *Eudyptes pachyrhynchus*

Milford Sd, 3 on 3/12/88. Christmas Village, Stewart I, colony present in Nov 1988 (P&KM).

ERECT-CRESTED PENGUIN *E. sclateri*

Victory B, Otago Pen, 1 weak bird ashore on 23/9 (K&JVM).

AUSTRALASIAN GANNET *Morus serrator*

Motunau RM, 2 on 22/1 (AC). Motunau I, 5 on 29/1, diving into kelp zone (PAL). New Brighton B, Christchurch, 5 regularly patrolling city beaches in Feb (AC), 1 juv on 22/2 (PAL). Avon-Heathcote Est, rarely seen inside estuary proper, 1 on 26/2 (AC). Cashin Quay, Lyttelton Hbr, 1 on

5/1. Little Akaloa, 1 second year on 14/7 (PAL). Birdlings Flat, 4 on 8/7 (KCH,SP), 3 on 14/7. Taumutu B, 4 on 11/5, Orari RM, 1 second year on 10/10. L Wainono, 3 along beach on 6/2 (PAL). Cape Wanbrow, Oamaru, 2 flying south on 13/1 (CFJO'D). Shag Pt, 6 juvs and 1 ad on 6/4. Karitane, 3 ad on 22/1 and 1 ad regularly afterwards, 2 juvs on 1/4-5/4, 1 juv on 25/5, and 1 very late juv on 30/6 (DJO). Boulder B, Otago Pen, 2 on 8/12 (PS). Otago Hbr, 2 on 14/12 (AA). Taiaroa Hd, 6 ad on 10/3 (AW).

BLACK SHAG *Phalacrocorax carbo*

Oparara Lgn, 6 on 17/11. Karamea Est, 2 on 17/11. Orowaiti Est, 4 on 16/11, 3 on 25/6. Buller Est, 3 + 1 juv on 16/11. Pororari Est, 1 on 27/4 (CSL). Cave Crk Sth, breeding colony on 30/11. Hibernia Crk, frequent. Lawson's Crk, frequent (BSM). Blaketown Lgn, 1 + 1 juv on 19/10, 1 on 15/11, 1 on 6/12. L Ryan, 4 on 23/8, 1 on 21/9, 1 juv on 7/2, 2 on 28/3. Range Crk Lgn, 1 on 26/7, 1 on 21/9, 1 on 28/3, 1 on 23/5, 1 on 20/6. Grey R Wetland, 1 on 23/8, 2 on 7/2, 1 on 28/3, 1 on 20/6. L Karoro, 1 on 19/10, 1 on 28/2, 1 on 20/6. Sawyer's Crk, 1 on 27/3. Greymouth AF, 2 on 26/3. Cameron's B, 16 + 5 juv on 7/11 (CSL). Upper Acheron R, 15 including several juv on tarn on 18/1, signs of a recent breeding colony (PAL). Ashburton Lakes, 74 on 21/7 (DGG). Ashburton R survey, 8 on 25/11 (CFJO'D). Bromley SP, max c.280 in Mar, min c.90 in July (AC). Taumutu B, flock of 15 on 11/5. Washdyke Lgn, 15 on 6/2. L Wainono, 5 on 6/2 (PAL).

PIED SHAG *P. varius*

Motunau RM colony; few birds in attendance with no breeding activity on 22/12 (PAL), 130 on 22/1 but very few juvs (AC). Motunau I, regular roosting site, 10 ad, 15 imm on 29/11 (PAL). Ashley Est, 10 on 17/10. Brooklands Lgn, 43 on 17/4. Bromley SP, max c.95 in Mar, min c.40 in June, 16+ nests at colony (AC).

LITTLE SHAG *P. melanoleucos*

Oparara Lgn, 1 + 1 juv on 17/11. Karamea Est, 1 on 17/11. Orowaiti Est, 1 on 6/2. Tauranga Bay, 1 on 25/6. Okari Lgn, 1 on 25/6. Pororari Est, 1 on 27/4. Omoto V, 1 on 23/9. L Ryan, 4 on 26/7, 4 on 23/8, 2 on 21/9, 1 on 15/11, 1 on 7/2, 2 on 28/2, 3 on 25/4, 1 on 23/5, 2 on 20/6. Range Crk Lgn, 1 on 19/10, 1 on 15/11, 2 on 6/12, 3 on 6/2, 2 + 3 juv on 28/2, 3 on 28/3, 2 on 25/4, 1 on 23/5, 1 on 20/6. Grey R Est, 1 on 23/8, 1 on 15/11, 1 on 28/2, 2 on 28/3. Blaketown Lgn, 2 on 23/8, 1 juv on 19/10, 1 on 6/12, 1 juv on 7/2, 1 on 25/4, 1 on 23/5 (CSL). Saltwater Crk colony, 5 nests, 10 birds on 5/2 (PAL). Waikuku colony, 5 nests, 26 birds on 17/10 (AC,GB), 9 nests with chicks, 1 still downy, on 14/11 (KCH,SP). L Lyndon, 15 on 2/7, 30 on 8/6 (PAL). Horseshoe L colony, Christchurch, 4 nests, 6 birds on 17/10 (AC,GB). Avon-Heathcote Est, max c.180 in April, min c.30 in Sept. Cumnor Tce roost, Heathcote R, main night roost in Christchurch area, max 144 on 22/4 (AC). Cooper's Lgn, numbers fluctuate markedly, max 25 on 16/12 (PAL). Ashburton Lakes, 50 on 21/7 (DGG). Ashburton R survey, 16 on 25/11 (CFJO'D). Supper Cove, Dusky Sd, 5 nests on 12/10 (IS).

STEWART ISLAND SHAG *Leucocarbo chalconotus*

Cape Wanbrow, Oamaru, 30 + flying south in small groups in evening on 15/12 (CFJO'D). Shag Pt, c.40 on 6/4. Karitane, roost of c.15 on 22/1 increased to 81 + in April, 97 + in May and 34 in June (DJO). Taiaroa Hd, 44 pied and 110 bronze phase on 24/1 (AW).

SPOTTED SHAG *Stictocarbo punctatus*

Buller RM, c.20 on 23/10 (CFJO'D), 103 on 6/4 (CMM). Punakaiki coastline, common, 22 on 1/1 (CSL), Perpendicular Pt colony, 672 including many young birds on 25/6 (CSL). Te Miko breeding colony, 1 km sth of Perpendicular Pt, c.300 nests. Motukiekie Islets, 50 + (BSM). Waimakariri RM, c.50 on 19/1. Whitewash Hd colony, Christchurch, 80 ad, 51 active nests on 1 cliff aspect on 7/10, 185 post-nuptial/sub-adult birds plus 5 juv roosting on 13/12 (PAL), 400 + roosting on 12/6 (KCH,SP). Birdling's Flat, 2000 + feeding offshore on 15/1 (AC). Ashburton RM, 500 on 25/11 (CFJO'D).

WHITE-FACED HERON *Ardea novaehollandiae*

Grovetown, 18 on 10/6. L Grassmere, 1 on 2/10, 1 on 10/6. L Elterwater, 1 on 10/6 (BN). West Coast, widespread and common throughout region. Oparara Lgn, 9 on 17/11. Utopia Rd, 3 on 25/6. Orowaiti Est, 1 on 6/2. Westport AF, 2 on 25/6. Cape Foulwind, 2 on 25/6. Okari Lgn, 3 on 6/2, 1 on 25/6. L Ryan, 2 on 7/2, 1 on 28/2, 1 on 25/4, 1 on 23/5, 1 on 20/6. Grey R Wetland, 1 on 28/2, 1 on 25/4, 1 on 23/5, 1 on 20/6. Range Crk Lgn, 1 on 7/2. Blaketown Lgn, 4 on 7/2, 2 on 28/3, 3 on 25/4, 1 on 20/6. Sawyer's Crk, 1 on 27/3. Arahura V, 27 on 3/7, 23 on 23/6 (CSL). Lyttelton Hbr, max 63 on 23/6 (AC). Akaroa Hbr, 20 on mudflats in upper reaches on 9/12 (GRP). Cooper's Lgn, max 12 on 26/9 (PAL). Ashburton Lakes, 5 on 21/7 (DGG). Ashburton R survey, 41 on 25/11 (CFJO'D).

WHITE HERON *Egretta alba*

Moutere Inlet, 1 on 27/5, 2 on 28/5. Waimea Inlet, 1 on 27/5. Nelson Haven, 1 on 3/6 (GRP,GDQ). Grovetown, 1 on 10/6 (BN). L Elterwater, 1 on 1/6 (GRP,GDQ). Kaikoura, 1 on 30/7 (BEE). Oparara Est, 1 on 5/4 (CMM), 1 on 6/2 (CSL). Karamea Est, 1 on 5/4. Blackwater Strm, 1 on 5/4. Orowaiti Est, 2 on 6/4. Buller R wetland, 1 on 6/4 (CMM). L Ryan, 2 on 21/9, 1 on 7/2, 1 on 28/2 (CSL), 1 on 6/4 (CMM), 1 on 20/6. Range Crk Lgn, 1 on 28/2. Grey R, 1 on 7/2, 1 on 28/3 (CSL), 1 on 6/4 (CMM), 1 on 25/4, 1 on 23/5 (CSL). Arnold R, 1 on 20/2 (AC). Blaketown Lgn, 1 on 25/4. Arahura, 2 on 23/6 (CSL). Hokitika RM, 1 on 6/4 (CMM). Kokatahi, 1 on 18/9 (CSL). Brooklands Lgn, 2 in June. Travis Swamp, Christchurch, 1 in July. Avon-Heathcote Est, 1 late summer-winter (AC). L Ellesmere, several present around lake late summer-winter (KCH,SP). L Forsyth, 1 through winter 1990 (AC,TC,PAL), 1 on 3/5 (KCH,SP). L Wainono, 2 on 5/1 (ATH), 1 on 6/2 (PAL). Otago: spring, coastal records from All Day Bay, Hawkesbury Lgn and Kaikorai Est until 3/10. Autumn coastal records from Kakanui, All Day Bay, Bowalley, Hawkesbury Lgn and Kaikorai Est from 21/2 (ARB,RB,SH,PS *et al.*). Inland records Earnscliffe, Alexandra, 1 for 3 weeks from late April for the seventh year in succession (MCC). Waihopai R, 1 on 26/7, 1 on 7/8. Bay Rd, Southland, 2 on 2/6 (MLB).

LITTLE EGRET *Egretta garzetta*

Ashley Est, 1 on 25/9 being mobbed by Red-billed Gulls (KCH,SP), 1 on 17/10 (AC,GB), 1 on 5/3, 1 on 26/6 (KCH,SP). L Forsyth, 1 on 9/7 (TC). Waihopai R, between North Rd and railway bridges within city boundary seen on 7 days between 3/5-20/6 (MLB).

REEF HERON *Egretta sacra sacra*

Motueka Sandspit, 1 on 28/5. Cable Bay, 1 on 30/5 (GRP,GDQ). Kaikoura, 2 on 2/6/90, 2 on 21/8 (BEE), 1 on 23/5 and 24/5 (GRP). Maukiekie I, breeding reported (D&JY). Otago Hbr, Aramoana, 2 on 17/7 (LF,DJO), 1 on 15/5 (IS). Milford Sd, 2 at mouth on 30/11 (AA). Greenhills Back B, 1 on 28/7 (Andy Cox), 2 on 20/12 (EB). Mainland, opposite Omaui I, 1 on 9/3 (WJC).

CATTLE EGRET *Bubulcus ibis*

Wairoa R, Brightwater, 5 in paddock on 29/5 (GRP,GDQ). Grovetown, 44 on 28/8, 44 on 10/6 (BN). Kaikoura, 3 on 28/7, 3 on 4/8, 26 on 14/6, 7 on 30/6 (BEE). Te Kuha, Westport, c.50 on 22/10 (CFJO'D). Carter's B, 2 on 6/4 (CMM). Inangahua Junction, 3 on 18/8. Totara Flat, 15 on 21/8 (AB). Coal Crk, 4 on 3/4 (CMM), 5 on 27/4, 10 on 26/5, 11 on 25/6. L Ryan, 2 on 18/8, 2 on 21/9, 2 on 19/10, 4 on 14/11, 3 on 6/12. Paroa, 1 on 30/4. Serpentine Crk, 2 on 19/4, 6 on 20/4, 3 on 23/4. Flowery Crk, 1 on 23/4, 2 on 30/4. Arahura, 1 on 18/8, 7 on 20/4. Kokatahi, 13 on 18/8, 3 on 28/4 (CSL). Haast, 10 in early June (PG). North Canterbury, 5 km W of Waiau, 1 on 10-11/5 (JC). Waikuku, 13 on 22/8 (AC), 11 on 25/9. Ellesmere district: Embankment Rd, 1 on 24/5, Wolfes Rd, 1 on 4/1, Davidson's Rd, 4 on 27/1, 6/2, 2 in breeding plumage, Selwyn Huts Rd, 5 on 8/7, 20/9, 1 on 28/11 in breeding plumage, 2 on 29/12, 3 on 18/1, 1 still in breeding plumage, 10 on 17/5, Drain Rd, 30 on 31/8, 6 showing signs of breeding plumage, 5 on 28/3, 4/4, 18/4, 10 on 22/4, 39 on 17/5, 53 on 24/5, Cussie's Rd, 7 on 19/6 (KCH,SP), Timberyard Point Rd, 2 on 20/7 (TC). Two regular at E Taieri and Stirling both had spring max of 26 on 1/9. E Taieri flock decreased to 14 by 18/10, with 11 birds in breeding plumage, to 4 by 9/11, with 2 in breeding plumage and last record was 1 on 26/11. First autumn arrival, 11 on 3/5, 27 by 22/5, max 32 on 26/5 (AA,AW,G&DG,PS *et al.*). Records away from main sites: Luggate Hill, 1 on 19/4 (AA), Tarras, 1 on 24/4, 5 on 3/5, 12 on 5/5, 2 of which stayed until 21/6 (AA), Cardrona V, 4 on 9/5 and 17/5 (PW), Pisa Strait, nr Cromwell, 1 with red deer on 7/6 (AW), Karitane, 7 on 7/6 decreased to 2 by 18/6 (DJO,PS), Orokonui, 9 on 26/5 (D&JY), Clarendon, Berwick Rd, 1 on 29/6 (ARB), Taieri Mth, 2 on 26/5 (RP), Paretai, 2 on 17/6 (FJA,LG). Nr Auckland Is, at 50° 11' S, 166° 18' E, 1 tired and thin stayed on board ship for 2 days 14-16/4 (MJI).

AUSTRALASIAN BITTERN *Botaurus stellaris*

Oparara Lgn, 3 on 3/10 (IG). Rahui, 2 on 16/11. Greymouth R wetland, 1 on 25/4 (CSL). Ashley Est, 1 on 15/7 (TC), 1 on 15/5 (KCH,SP). Kaituna Lgn, L Ellesmere, 1 on 30/12 flushed from raupo (AC). Hart's Crk, L Ellesmere, booming on 1/10, 2 flushed from *Juncus* along river channel on 4/11, 2 on 25/12. L Heron, 1 on 21/7 (DGG). Ohau-Tekapo RM, L Benmore, 2 on 21/11. L Wainono, 1 in active wing moult on 6/2 (PAL). Karitane, 1 on 10/1 (DJO). Silverstream, Mosgiel, 1 on 9/8 (PS). Sinclair

Wetlands, 3 on 25/9 (AA). L Waiholo, 1 on 29/11 (PS), 1 on 26/12 (DJO). South of L Waiholo, 1 on 29/11 (PS). Invercargill Est, Jock's Roost, 1 on 17/11. Sandy Pt Reserve, 1 on 22/6 (MLB). Waitara Lgn, 1 on 6/2 (RRS).

GLOSSY IBIS *Plegadis falcinellus*

L Ellesmere, 6 through May until 5 on 24/5, 3 on 23/6 (KCH,SP). L Wainono, 4 on 8/3/90, 1 on 5/1 feeding with Grey Teal (ATH). Hooper's Inlet, Otago Pen, 1 on 29/7 – 4/8 (JED). Berwick, 3 on 3/6-20/6 (G&DG). Invercargill Est, at Jennings, 4 on 10/6 (MLB).

ROYAL SPOONBILL *Platalea regia*

Motueka Sandspit, 36 including 2 banded birds from Wairau Lgn on 27/5. Waimea Inlet, 24 including 1 banded bird from Wairau Lgn on 27/5 (GRP,GDQ). Wairau Lgn, 10 on 11/11, 71 ad, 14 imms on 6/2, 7 on 6/7 (BN). Oparara Lgn, 1 on 17/11 (CSL). Buller R wetland, 3 on 6/4 (CMM). L Ryan, 4 from 25/4 to end of June. Hokitika SP, 1 on 12/2 (CSL). Ashley Est, 2 on 20/12 (KCH,SP). Brookland's Lgn, 1 in May (AC,PAL), 1 from 27/5-11/6 (PJ). Avon-Heathcote Est/Bromley SP, present all months, max 55 on 12/5 (AC). L Ellesmere, present Dec-June, max 68 on 4/4, with 30 on Avon-Heathcote at this time, there were 98 in Canterbury (AC,KCH,SP). Otago breeding: Maukiekie I, first arrival, 2 on 17-19/8 (R&JJ), 76 by 13/11 and c.14 nests (TDM). Green I, first arrival, 5 on 7/11, max 25 on 3/12 and 3 nests (PS). Regular on coast from Kakanui south to Karitane from Dec to early April with max 16 at Karitane (AA,ARB,K&JVM,DJO,JAW). Kaikorai Est, max 27 on 25/2 (LG). L Waiholo, first arrival, 9 on 6/11, max c.20 on 26/11 (DJO,PS). First records for the Catlins, Pounawea, 9 on 16/11, Papatowai, 8 on 6/1 (MAM). Last autumn record, 1 nr Mosgiel on 25-26/4, in an unusual site (PS). Invercargill Est, 2 on 1/9 (RS), 2 on 26/10, 1 on 15/12, 1 on 21/4 (MLB).

MUTE SWAN *Cygnus olor*

St Anne's Lgn, 2 on 5/2 (PAL). Waipara RM, 2 on 7/1 (AC). Waikuku, 2 on 15/7 (TC), 4 on 21/8 (KCH,SP), 2 on 17/10 (AC,GB), 2 on 14/11, 6 on 18/3, 2 on 15/5 (KCH,SP). Woodend Lgn, 1 on 17/10 (AC,GB). Kaituna Lgn, L Ellesmere, 2 on 8/7, 1 on 3/7 (KCH,SP). Cooper's Lgn, 18 on 20/7 (TC), 15 on 30/8 (PAL), 15 on 17/11 including 1 pr with 6 cygnets (KCH,SP). Rakaia RM, 1 imm on 20/7 (TC).

BLACK SWAN *C. atratus*

Oparara Lgn, 7 + 4 juv on 17/11. Karamea Est, 3 on 17/11 (CSL). Barrytown Flats, 118 on 21/6 (BSM). L Ryan, 1 on 26/7, 1 juv on 6/12. Range Crk Lgn, 4 on 26/7, 3 on 23/8, 3 on 19/10, 2 on 6/2, 1 on 28/2, 1 on 28/3, 1 on 25/4, 3 on 23/5. L Karoro, 2 on 26/7, 1 on 6/12 (CSL). L Lyndon, 30 on 2/7 (PAL). Travis Swamp, Christchurch, 2 on 28/8, first record for this locality. Bromley SP, max 333 on 6/3 (AC). Cooper's Lgn, max 138 on 30/8. Ashburton Lakes, 867 on 21/7 (DGG). Washdyke Lgn, 160 on 6/2. L Wainono, 105 on 6/2 (PAL).

CANADA GOOSE *Branta canadensis*

Oparara Lgn, 2 on 17/11. Cameron's B, 1 on 1/11 (CSL). Travis Swamp, Christchurch, max 63 on 15/3. Bromley SP, max 2441 on 26/7. Lyttelton Hbr, max 73 on 23/6. Akaroa Hbr, 136 + 6 goslings on mudbank in upper

reaches on 9/12 (GRP), 92 on 23/6 (AC). Cooper's Lgn, max c.1500 on 6/4. Ashburton Lakes, 847 on 21/7 (DGG). Ashburton R survey, 228 on 25/11 (CFJO'D). Washdyke Lgn, 50 on 6/2. L Wainono, 1080 + on 6/2 (PAL). Ohau Delta, 121 on 23/6. L Waitaki, 78 on 23/6 (AW). L Logan, Lammermoor Range, 186 on 31/12 (K&JVM). Unusual Otago coastal records: Hawkesbury Lgn, 2 on 21/10 (JAW), Allanton, Taieri R, 1 on 12/10 (GG,DJO,PS).

PARADISE SHELDUCK *Tadorna variegata*

Oparara Lgn, 2 + 4 juv on 17/11. Break Crk Lgn, 2 + 4 juv on 17/11. L Ryan, 2 + 8 juv on 6/12, 2 + 8 juv on 6/2, 14 on 7/2, 8 on 28/2, 5 on 25/4, 2 on 23/5, 9 on 20/6. Range Crk Lgn, 4 on 7/2, 5 on 23/5. Karoro L, 1 on 7/2, 3 on 23/5, 1 on 20/6. Kawhaka V, 1 on 3/10. Mikonui, 2 + 2 juv on 6/11 (CSL). Bruce Bay, 101 on 31/5 (PG). Canterbury, large moulting flocks on lowland wetlands in late Jan, early Feb, eg St Anne's Lgn, 580 + on 5/2 (PAL), Bromley SP, max 1199 on 27/1 (AC), Travis Swamp, Christchurch, max 60 on 26/7 (AC). Motukarara, c.350 feeding over maize stubble on 12/5 (PAL). Wolfe's Rd, L Ellesmere, 321 on 29/4 (KCH,SP). Ashburton Lakes, 185 on 21/7 (DGG). Ashburton R survey, 13 on 25/11 (CFJO'D). Washdyke Lgn, c.100 on 6/2, L Wainono, c.5510 on 6/2 (PAL). Glenburn Stm, L Benmore, 169 on 23/6 (AW). Hall Arm, Doubtful Sd, 2 on 15/11 (CFJO'D).

CHESTNUT-BREASTED SHELDUCK *T.tadornoides*

L Grassmere, 18 feeding in paddocks on 1/6, wide variety of plumage types (ads + juvs)(DJO,GRP,GDQ,PMS). Bruce Bay, 1 on 30/3, with c.100 Paradise Shelducks, 1 on 31/5 (PG). L Wainono, 1 pr with Paradise Shelducks on 5/1 (ATH). Hawkesbury Lgn, 1 female from 14/4 onwards, 1 male and 2 females from 4/5 onwards (DJO,NJW,JAW,AW *et al.*). Otaitai Bush, nr Riverton, 1 with 50 + Paradise Shelducks on grain stubble on 26/5 (RRS).

BLUE DUCK *Hymenolaimus malacorhynchos*

Goulard Downs Hut, Heaphy Track, pr with 3 well-grown young on 17/1/89 (P&KM). Travers V, Nelson Lakes NP, 2 on 11/10 (GU). Moonlight R, 1 on 10/2 (PG,RS). Moonlight Crk, 2 on 23/1 (BSM). Kawhaka Crk, 2 on 3/10 (CSL). Tuke R, 2 on 22/9 (PG,RS). Upper Hokitika R, above Bluff Hut, sign in river on 21/12/89 (MAH). Otira V, Arthur's Pass NP, 1989-90 season, 2 pr present throughout year, breeding unsuccessful. 1990-91 season 2 pr nested, 1 pr fledging 5 young. Bealey V, single juv present in Mar (MAH).

MALLARD *Anas platyrhynchos*

West Coast, common and breeding. Fox R, breeding on 21/6. Barrytown Flats, 47 on 21/6 (BSM). L Ryan, 60 on 26/7, 67 on 23/8, 43 on 21/9, 41 on 19/10, 37 on 15/11, 97 on 6/12, 72 on 7/2, 219 on 28/2, 82 on 28/3 98 on 25/4, 185 on 23/5, 184 on 20/6. Range Crk Lgn, 40 on 6/2, 105 on 7/2, 39 on 28/2, 41 on 28/3, 12 on 25/4, 65 on 23/5, 42 on 20/6. Grey R wetland, 18 on 7/2, 27 on 28/2, 34 on 28/3, 26 on 25/4, 37 on 23/5. Blaketown Lgn, 2 on 7/2, 83 on 28/2, 124 on 28/3, 14 on 25/4, 29 on 23/5, 17 on 20/6. Karoro L, 23 on 7/2, 22 on 28/2, 47 on 28/3, 32 on 25/4, 35 on 23/5, 32 on 20/6

(CSL). Brookland's Lgn, max 353 on 17/7. Travis Swamp, Christchurch, max 410 on 28/8. Horseshoe L, Christchurch, 630 on 3/4. Lyttelton Hbr, 616 on 23/6. Akaroa Hbr, 389 on 23/6 (AC). Cooper's Lgn, max 390 on 6/4. Ashburton Lakes, 345 on 21/7 (DGG). Ashburton R survey, 214 on 25/11 (CFJO'D). L Wainono, c.2000 on 6/2 (PAL).

GREY DUCK *A. superciliosa*

Oparara Lgn, 9 on 17/11 (CSL). Cave Crk, 11 + 2 juv on 30/11. Barrytown Flats, 14 on 21/1 (BSM). L Ryan, 3 on 26/7, 12 on 23/8, 2 on 19/10, 3 on 15/11, 9 on 6/12, 6 on 7/2, 10 on 28/3, 14 on 25/4, 7 on 23/5. Range Crk Lgn, 2 on 19/10, 5 on 7/2, 10 on 28/2, 1 on 25/4. Grey R Wetland, 4 on 21/9, 3 + 9 juv on 19/10, 1 on 6/12, 24 on 28/3, 2 on 25/4. Blaketown Lgn, 6 on 28/2, 20 on 28/3, 4 on 25/4. Karoro L, 14 on 7/2, 2 on 28/2, 2 on 28/3, 4 on 20/6. Taramakau RM, 16 on 17/7 (CSL). Travis Swamp, Christchurch, max 42 on 26/7 (AC). Ashburton Lakes, 14 on 21/7 (DGG). Ashburton R survey, 5 on 25/11 (CFJO'D).

GREY TEAL *A. gibberifrons*

St Anne's Lgn, 25 on 5/2 (PAL). Woodend Lgn, 60 on 17/10. Bromley SP, max 1797 on 31/3 (AC). Cooper's Lgn, max 305 on 29/7. L Heron, 4 on 21/7. Trinity L, 13 on 21/7. L Clearwater, 3 on 21/7 (DGG). Ashburton R survey, 6 on 25/11 (CFJO'D). Washdyke Lgn, 575 on 6/2. L Wainono, 478 on 6/2 (PAL).

BROWN TEAL *A. aucklandica*

L Fergus, 1 in Dec (CJT). Seaforth V, 2 pr and nest with 6 eggs on 19/10 (IS).

NEW ZEALAND SHOVELER *A. rhynchotis*

Barrytown Flats, 52 on 21/6 (BSM). L Ryan, 1 on 23/8, 4 on 21/9, 2 on 19/10, 3 on 15/11, 3 on 23/5, 22 on 20/6. Range Crk Lgn, 18 on 26/7, 6 on 21/9, 3 on 19/10, 2 on 15/11, 1 on 6/2, 28 on 28/2, 24 on 25/4, 19 on 23/5. Grey R Wetland, 3 on 21/9, 4 on 19/10, 1 on 15/11, 5 on 6/12, 3 on 28/2, 11 on 28/3, 4 on 25/4. Blaketown Lgn, 25 on 26/7, 60 on 23/8, 11 on 21/9, 3 on 19/10, 6 on 15/11, 7 on 28/3, 116 on 25/4, 76 on 20/6. L Karoro, 1 on 23/8, 8 on 21/9, 10 on 19/10, 6 + 8 juv on 15/11, 6 on 6/12, 46 on 30/12, 29 on 7/2, 48 on 28/3, 235 on 23/5 (CSL). Upper Acheron R, 40 on tarn on 18/1 (PAL). Brooklands Lgn, max 56 on 17/7. Travis Swamp, Christchurch, max 20 on 28/8. Bromley SP, max 5280 on 12/5 (AC). Cooper's Lgn, max 220 on 26/9. L Emma, 1 on 21/7 (DGG). Washdyke Lgn, 135 on 6/2. L Wainono, 50 on 6/2 (PAL).

NORTHERN SHOVELER *A. clypeata*

Kaikorai Est, 1 male on 19/8 (PG). First Otago record.

WHITE-EYED DUCK *Aythya australis*

Day's Homestead Pond, Southland, 1 on 10/5, subsequently seen by several reliable observers and photographed (RRS).

NEW ZEALAND SCAUP *A. novaeseelandiae*

Arnold R, 4 on 26/8. Cashmere Bay, 90 on 27/8 (PG,RS). Range Crk Lgn, 1 on 20/6. L Karoro, 4 on 21/9, 5 on 19/10, 4 on 15/11, 1 on 6/12, 4 + 6 juv on 30/12, 1 + 6 juv on 18/1, 6 + 12 juv on 6/2, 5 + 12 juv

on 14/2, 10 on 28/2, 7 on 28/3, 9 on 25/4, 6 on 23/5, 9 on 20/6. Kawhaka Dam, 4 on 15/9 (CSL). St Anne's Lgn, 45+ on 5/2 (PAL). Waikuku, 9 on 21/8 (KCH,SP), 57 on 17/10 (AC,GB), 20 on 17/11. Archer's Pond, Woodend, 50 on 13/9, c.100 on 15/5 (KCH,SP). Cam R, Kaiapoi, 4 on 7/10 (PAL). Wilson's Swamp, Christchurch Motorway, 7 on 17/10 (AC,GB). Ashby's Pit, Christchurch, 8 on 5/9. Bromley Sp, max 457 on 21/5 was highest ever count (AC). L Catherine, 15 on 31/1. Upper Acheron R, 12 on tarn on 18/1 (PAL). L Heron, c.100 at floodgate pool on 22/11, 238 on 12/2 (PG). Ashburton Lakes census, 1479 on 21/7: L Heron, 878, L Denny, 9, L Emma, 432, L Clearwater, 160 (DGG). Sinclair Wetlands, 52 on 3/10 (PS).

AUSTRALASIAN HARRIER *Circus approximans*

West Coast, widespread and common. Okari Lgn, 2 on 25/6. Range Crk Lgn, 1 on 26/7, 1 on 20/6. Greymouth AF, 1 on 28/2. Greymouth 1 on 23/7, 1 on 20/3 (CSL). Bromley SP paddocks, 5 on 14/6, feeding on Canada Geese killed by hitting power lines (AC). Torlesse Range, common (MAH).

NEW ZEALAND FALCON *Falco novaeseelandiae*

Hapuka R, Kaikoura, 2 on 25-26/12/89. Kahutara Saddle, Seaward Kaikoura Range, seen occasionally 26 & 29/12 (P&KM). Oparara Lgn, 1 on 2/10, 1 on 25/10, 1 on 16/11 (IG). Lyell R, 1 on 24/11 (PG,RS). Pororari Gorge, 1 on 29/11 (BSM). Mt Alexander, 1 on 29/10 (PG,RS). Greymouth, 1 on 3/4 (CSL). Kakawau Peak, 1 on 17/1 (PG,RS). Goldsborough, 1 on 30/10 (CSL). Barrack Crk Track, 1 on 16/3 (PG,RS). Arahura, 1 on 17/4 (CSL). Waiau township, 1 on 21/9 (JC). Sudden V Stm, Arthur's Pass NP, 1 on 20/8 (PAL). Torlesse Range, 1 at Kowai R, on 13/1, 1 at Broken R, on 1/2 (MAH). Methven Domain, 1 reported shot in Jan. L Heron, 2 on 21/7 (DGG). Mesopotamia, 1 on 27/1 knocked down a feral pigeon which then escaped (PG). Hakataramea V, 2 on 4/10 (PAL). E Ewe Burn, Ida Range, 1 chasing Harrier at 1440 m asl on 8/2 (K&JVM). Hampden, 1 on 15/2 (RCB). Pleasant R Est, 1 on 21/5 (RCS). Karitane, 1 on 7/4 (DJO). Blueskin Bay, 1 on 8/4. Tarras, 1 regularly 31/7-29/10, 1 on 14/6, 1 on 25/6. Wanaka area: 1 nr Cardrona R bridge on 27/8, 2 juvs fed on the wing, Doctor's Flat on 2/1, 1 on 1/5, 1 on 14/6, Old Man Range above Fruitlands, 1 juv female at 1400 m asl on 9/2. Cascade Crk, Fiordland NP, pr on 30/11, male on 12/12 (AA). Upper Mataura V, 6 on 28/2, 1 nr Robert Crk Junction, 1 above Bowels of the Earth Junction, made 3 passes at a hare amongst short tussock and matagouri, and 4 circling above ridge c.920 m asl between Eyre Crk and Mataura R (WJC).

NANKEEN KESTREL *F.cenchroides*

Westport AF, 1 on 17/8. Punakaiki, 1 on 17/8. Punakaiki RM, female flying about coastal cliffs immediately to south and over adjacent paddock on 28/4/89 caught and ate katydid in kahikatea tree, watched for 1 hr then flew inland over forest (JAB). Rapahoe, 1 on 13/9. Greymouth, 1 on 10/7, 1 on 24/7, 1 on 8/9, 1 on 29/8 (CSL).

CALIFORNIA QUAIL *Lophortyx californica*

Mawheraiti, West Coast, 1+ on 5/10 (PG,RS). Bromley SP, 1 pr spring 1990, first record for many years (AC). Henley Ferry Rd, Otago, 1 male on 14/12 (DJO).

CHUKOR *Alectoris chukar*

Mt Edward, Tekapo, heard morning and evening on 8/12/89, seen on 10/12/89 (P&KM).

RING-NECKED PHEASANT *Phasianus colchicus*

Galloway, Alexandra, 1 male on 28/11. No releases in area for some years (MCC).

WESTERN WEKA *Gallirallus australis australis*

Mt Rintoul, Richmond FP, prints seen on 1/9/89. Ben Nevis, Richmond FP, 1 seen on north ridge on 29/12/89 (MAH). West Coast, common in most developed areas, many multiple broods. Lyell R, 1 on 24/11 (PG,RS). Tauranga Bay, 4 on 25/6. Addison's Flat, 1 on 25/6 (CSL). Bald Hill, 2 on 3/6 (PG,RS). Greymouth, 1 on 14/2 (CSL). Temple Basin carpark, Arthur's Pass NP, 1 on 2/3 (PAL). Knobs Flat, Eglinton V, 1 in Dec (PJD). Spey Hut, and Seaforth RM, single birds heard on 2/10. West Arm, Manapouri, 1 black bird seen on 22/10 (IS).

MARSH CRAKE *Porzana pusilla*

Wakapuaka Sandflats, 1 seen in raupo pond on 30/5, flew across in answer to whistles and was seen feeding inside raupo bed, seen again next day and on 3/6 (GRP,GDQ). Morrison's Pond, Earnsclough, 1 from early autumn onwards (MCC).

PUKEKO *Porphyrio porphyrio*

West Coast, common, breeding throughout region (RS). Travis Swamp, Christchurch, max 403 on 18/8. Bromley SP, numbers declining, max 288 on 26/7 (AC).

AUSTRALIAN COOT *Fulica atra*

St Anne's Lgn, 20+ on 5/2 (PAL). Archer's Pond, Woodend, 5 on 2/2, 2 on 15/5. Kaiapoi gravel pits, 9 on 21/8, 10 on 13/9 (KCH,SP), 17 on 17/10 (AC,GB), 4 on 2/2, 7 on 15/5. Ashby's Pit, 5 on 14/7 (KCH,SP), 6 on 5/9. Bromley SP, 1 in Nov, Dec, April and May (AC). L Heron, 226 on 21/7 (DGG), c.220 at watergauge pool on 23/11, both small and large unfledged chicks present on 27/1 (PG). Taieri Plain, 1 juv in flood waters on 28/8 (PS).

SOUTH ISLAND PIED OYSTERCATCHER *Haematopus ostralegus finschi*

Oparara Lgn, 22 on 17/11 (CSL). Little Wanganui Est, 1 on 5/4 (CMM). Kongahu, 22 on 17/11. Utopia Rd, 48 on 25/6. Orowaiti, 19 on 16/11, 26 on 25/6. Buller R Est, 2 on 25/6. Westport AF, 134 on 17/8, c.300 on 25/6. Okari Lgn, 67 on 16/11, 162 on 6/2, 192 on 25/6 (CSL). Barrytown, 2 on 21/6, regular in summer (BSM). Cobden, 12 on 26/7. Blaketown Lgn, 1 on 7/2. Greymouth AF, 17 on southward migration on 26/7, 1 on 21/9, 1 on 1/12, c.30 flying north on 6/4. Taramakau RM, 1 on 12/9 (CSL). Arahura, 1 on 23/6 (NB). Hokitika, 40 on southward migration on 23/7. Mikonui, 1 on 18/10 (CSL). Te Kinga, 2 on 13/8 (PG,RS). Wairau Lgn, 15 on 11/11, 10 on 10/6. L Grassmere, 27 on 1/10, 5 on 11/11, 12 on 15/1 (BN). Kaikoura, 10 on 14/6 (BEE). Motunau RM, 17 on 22/1. Waipara RM, 33 on 7/1 (AC). Ashley Est, 125 in paddocks on 11/4 (KCH,SP). Brooklands Lgn, 119 on 17/7, 97 on 7/11, 195 on 17/4. Avon-Heathcote Est, max 4721 on 4/4. Lyttelton Hbr, 323 on 23/6. Akaroa Hbr, 244 on 23/6 (AC). L Heron, 1

on 21/7 (DGG). Ashburton R survey, 183 on sth branch, 43 on nth branch on 25/11 (CFJO'D). Tarras, first spring return, 2 on 12/7 (AA). Waikawa Hbr, 77 on 29/11. Head of Awarua Bay, 207 on 26/1 (WJC).

VARIABLE OYSTERCATCHER *H. unicolor*

Break Crk Lgn, 2 + juvs on 17/11. Oparara Lgn, 7 on 17/11. Karamea Est, 1 on 17/11 (CSL). Little Wanganui Est, 34 on 5/4 (CMM). Kongahu, 2 on 17/11. Orowaiti Est, 14 on 16/11, 9 on 20/12, 15 on 25/6. Carter's B, nest with 3 eggs on 23/10 (CFJO'D). Westport AF, 2 on 17/8. Okari Lgn, 6 on 16/11, 5 on 6/2, 11 on 25/6. Little B, 2 on 16/11 (CSL). Te Miko, nesting on 12/10. Punakaiki, several prs resident. Razorback B, 1 on 21/6 (BSM). Rapahoe, 3 on 25/10. L Ryan, 1 on 25/4. Flowery Crk, 1 on 23/4. Arahura, 2 on 23/6 (CSL). L Grassmere, 2 on 14/8, 2 on 2/10, 11 on 10/10. Ward, 1 on 7/10 (BN). Kaikoura, 14 on 15/11, 4 on 10/6, 5 on 16/6 (BEE). Motunau RM, 2 on 22/1 (AC). Motunau I, 3 pr on 29/12, 2 pr and 1 juv on 228/1 (PAL). Brooklands Lgn, 1 on 7/11. Avon-Heathcote Est, numbers continue to increase, max 19 through winter. Taylor's Mistake, 10 on 22/7. Lyttelton Hbr, 1 on 23/6. Birdling's Flat, 2 on 2/9 (AC). Washdyke Lgn, 4 on rock platforms on 6/2 (PAL).

PIED STILT *Himantopus himantopus*

Grovetown, 6 on 10/6. L Grassmere, 120 on 15/8, 85 + 1 imm on 11/11, 200 on 15/1, 376 on 10/6. Wairau Lgn, 11 + 2 imms on 11/11, 50 on 10/6. L Elterwater, 14 on 10/6 (BN). Kaikoura, 3 on 23/11 (BEE). Break Crk Lgn, 5 on 17/11. Oparara Lgn, 6 on 17/11. Karamea Est, 3 on 17/11. Kongahu, 6 on 17/11. Utopia Rd, 9 on 25/6. Orowaiti, 23 on 16/11, 9 + 3 juv on 20/12, 5 on 6/2, 1 on 25/6. Westport Rubbish Tip, 4 + 2 juv on 16/11. Buller R Est, 2 on 25/6. Westport AF, 16 on 25/6. Okari Lgn, 2 on 16/11, 3 on 6/2, 2 on 25/6 (CSL). Barrytown, 5 on 17/11 (PG,RS). L Ryan, 4 on 23/8, 4 on 14/11, 5 on 7/2, 3 on 28/2, 2 on 20/6. Grey R Wetland, 1 on 6/12, 2 on 28/2, 5 on 28/3, 3 on 25/4, 2 on 23/5. Blaketown Lgn, 2 on 28/2, 4 on 28/3, 2 on 25/4. Arahura, 2 on 23/6. Mikonui, 4 on 18/10, 3 on 6/11 (CSL). Waipara RM, 36 on 7/1 (AC). Ashley Est, 20 on 11/4 (KCH,SP). Brooklands Lgn, 54 on 7/11, 55 on 8/1, 53 on 17/4. Travis Swamp, Christchurch, max 27 on 28/8 (AC). Avon-Heathcote Est, 51 on 14/11, 89 on 26/1 (KCH,SP), 183 on 4/4. Bromley SP, sometimes roost on pond banks, max 114 on 29/3 (AC). L Ellesmere, 283 at Halswell RM on 12/12 (AC,PFB), 570 at Wolfe's Rd, on 28/12 (AC), 444 on 27/1 (KCH,SP), 342 along lower Kaitorete Spit mudflats on 30/12 (AC). Little Kowai R, Torlesse Range, 1 pr on 11/11 (MAH). Cooper's Lgn, max 150 on 16/12 (PAL). Thompson's Track, mid-Canterbury, 91 roosting on worked paddock with 59 Spur-winged Plovers and several hundred gulls on 11/2 (PG). Ashburton R survey, 301 on sth branch, 25 on nth branch on 25/11 (CFJO'D). Washdyke Lgn, 407 on 6/2. L Wainono, 242 on 6/2 (PAL).

BLACK STILT *H. novaeseelandiae*

L Grassmere, 1 on 15/1 (BN). Avon-Heathcote Est, 1 node F-G hybrid on 26/1 (KCH,SP). L Ellesmere, 1 ad, 1 imm during Nov-Dec (AC,PFB,KCH,SP), 2 node C1, 1 node D1, 1 node D2, 1 colour-banded node E hybrids on 22/12 (KCN,SP). Upper Ashburton R, 1 G hybrid breeding in Nov (DGG). MacKenzie Basin survey, 48 ad, 6 juv, 14 black

hybrids on 14/7 (CER). L Ohau, 1 node G hybrid on 3/2/90. L Wainono, 1 on 8/3/90 (ATH).

NEW ZEALAND DOTTEREL *Charadrius obscurus*

Awarua Bay, Cow I, 23 on 7/7, 14 on 13/12, 14 on 11/4, 13 on 23/5 (MLB).

BANDED DOTTEREL *C. bicinctus*

L Grassmere, 227 on 10/6. Wairau Lgn, 4 on 10/6. L Elterwater, 2 on 10/6 (BN). Kaikoura, 2 on 14/6, 16 on 16/6 (BEE). Break Crk Lgn, 5 on 17/11. Oparara Lgn, 4 on 17/11. Karamea Est, 7 on 17/11. Utopia Rd, 6 on 25/6. Okari Lgn, 3 on 16/11, 2 on 6/2. Carter's B, Westport, 3 territorial prs on 23/10 (CFJO'D). Orowaiti Est, 3 on 6/2 (CSL). Punakaiki, 6 on 17/11 (PG,RS). Razorback B, breeding on 18/11 (BSM). Barrytown, 4 on 17/11 (PG,RS). Blaketown Lgn, 3 on 21/9, 3 on 19/10, 16 on 28/2, 15 on 28/3, 9 on 25/4, 8 on 23/5, 3 on 20/6. Greymouth AF, 9 on 26/7, 3 on 21/9, 6 on 19/10, 12 on 15/11, 6 on 23/11, 32 on 6/2, 20 on 7/2, 7 on 28/2, 2 on 23/5, 13 on 25/6. Cameron's B, 3 on 7/11. Taramakau, 1 on 12/9 (CSL), 7 on 21/11 (PG,RS). Mikonui, 3 on 6/11 (CSL). Waipara RM, 44 on 7/1. Brookland's Lgn, max 51 on 17/4. Avon-Heathcote Est, max 86 on 19/7. Lyttelton Hbr, 46 on 23/6. Birdling's Flat, 134 on 30/12 (AC). Kaitorete Spit tip, 103 on 3/5 (KCH,SP). Cooper's Lgn, max 40 on 26/9. Ashburton R survey, 403 on sth branch, 53 on nth branch on 25/11 (CFJO'D). Washdyke Lgn, 55 on 6/2. L Wainono, 242 on 6/2 (PAL). Old Man Range, many birds still present on breeding grounds on the summit on 7/2 (AA). Dart R, 225 on 24-26/10. Rees R, 99 on 24-26/10. An increase on both rivers since mid-80s (BMcK). Karitane, max 89 on 4/2 (DJO). Warrington B, 53 on 22/7 (K&JVM). Southland, some 1985-86 colour-banded birds still about eg Tiwai Pt, 4 locally banded birds in post-breeding flock of 143 on 29/1 (MLB).

BLACK-FRONTED DOTTEREL *C. melanops*

L Grassmere, 8 feeding in drain on north-eastern side of salt settling ponds on 1/6 (GRP,GDQ). L Elterwater, 9 feeding at waters edge on 1/6 (GRP, GDQ), 9 on 10/6 (BN). Wolfe's Rd, L Ellesmere, 3 in May (KCH,SP). Ashburton R survey, 58 on 25/11, still expanding upstream (CFJO'D). Washdyke Lgn, 1 juv on 6/2 (PAL). Otago, breeding on Manuherikia R, 1 pr raising 2 clutches (MCC), Outram, Taieri R, 2 prs nested unsuccessfully (GG,PS). Records outside breeding season: Kaikorai Est, 3 in July, 2 in Aug (PS *et al.*), Henley Ferry, Taieri R, 2 from 15/8 to 4/9 and 1 on 12/9 (DJO,PS). Thornbury, 2 km from Aparima R, 2 feeding beside farm pond on 30/9 (MLB).

MONGOLIAN DOTTEREL *C. mongolus*

Aramoana, 1 on 17/7, 1 in breeding plumage on 11/11 (DJO,DY).

WRYBILL *Anarhynchus frontalis*

L Grassmere, 10 on 15/8 (BN). Ashley Est, 85 on 21/8 (KCH,SP,PAL), 26 on 17/10 (AC,GB), 16 on 14/1, 1 on 11/4, 4 on 15/5. L Ellesmere, reported all months except June & July, largest flocks 93 at Embankment Rd on 22/12 (KCH,SP), 88 at Yarr's Flat on 28/12 (AC), 51 on Greenpark Sands on 4/1 (KCH,SP). Rakaia R Gorge, 2 pr on 18/11. Upper Ashburton R, 6 on 25/11

(CFJO'D). L Wainono, 6 on 5/1 (ATH). Dart R, 32 ad and 6 chicks on 24-26/10. An increase from 7 recorded in 1984 (BMcK).

LEAST GOLDEN PLOVER *Pluvialis fulva*

Greymouth AF, 1 on 23/11, 1 on 6/2 (CSL). Blaketown Lgn, 1 on 13/12 (BSM), 1 on 7/2, 1 on 28/2 (CSL). L Ellesmere, smaller numbers than usual, 1 on 20/9, 8 on 21/10, c.16 Nov-Feb (AC,KCH,SP). Head of Awarua Bay, 3 on 6/12, 33 on 26/1 (WJC). Awarua Bay E, 22 on 17/10, 36 on 15/11 (MLB).

SPUR-WINGED PLOVER *Vanellus miles*

West Coast, common in many areas on farmland and river beds. Break Crk Lgn, 2 on 17/11. Oparara Lgn, 14 on 17/11. Orowaiti, 6 on 16/11. Westport AF, c.150 on 25/6. Okari Lgn, 3 on 16/11. L Ryan, 1 on 26/7, 1 on 19/10, 2 on 15/11, 35 on 7/2. Greymouth, 2 + 2 juv on 15/11 (CSL). L Grassmere, 25 on 15/8, 20 + 6 chicks on 10/10, 14 + 6 chicks on 2/10 (BN). Torlesse Range, Canterbury, common in valleys (MAH). Mt Somers area, nests reported all year round even in frosts (PG).

TURNSTONE *Arenaria interpres*

L Grassmere, 48 on 1/10, 19 on 11/11, 77 on 15/1 (BN). Kaikoura, 8 on 15/11, 44 on 23/1 (BEE), 50 + on 24/2 (KCH,SP). Avon-Heathcote Est, 1 on 6/11 (AC). Embankment Rd, L Ellesmere, 3 on 4/11 (KCH,SP). Head of Awarua Bay, 241 on 26/1 (WJC).

SNIFE sp. *Gallinago* sp.

Waitara Lgn, 1 on 13/3 seen 6 times by local farmer (RRS).

KNOT *Calidris canutus*

Okari Lgn, 8 on 16/11 (CSL). Ashley Est, 1 on 13/9 (KCH,SP), 1 on 26/2 (PAL), 1 on 21/3, 4 on 11/4 (KCH,SP). Avon-Heathcote Est, 1-4 on 12/9-26/1. L Ellesmere, max 37 over summer (AC,KCH,SP). Aramoana, 1 on 3/11 (DJO,NJW). Only Otago record this year. Head of Awarua Bay, 1 on 6/12, 24 on 26/1 (WJC).

SANDERLING *C.alba*

New Brighton B, Christchurch, 1 foraging on high tide mark on 22/6 (PAL). L Ellesmere, 1 in Nov-Dec (AC,PFB,KCH,SP).

CURLEW SANDPIPER *C.ferruginea*

Greenpark Sands, L Ellesmere, 12 on 21/10 (KCH,SP), 25 on 28/12 (AC), 30 on 9/3, 24 on 28/3, 14 on 18/4, most in breeding plumage, 2 on 23/6 wintering over (KCH,SP). Head of Awarua Bay, 3 on 6/12, 3 on 26/1 (WJC). Awarua Bay E, 5 on 15/11, 3 on 13/4 colouring up (MLB).

SHARP-TAILED SANDPIPER *C.acuminata*

L Ellesmere, present late Aug- early April, much lower numbers than usual, max 5 on 28/3 (KCH,SP). Washdyke Lgn, 3 on 6/2 (PAL). Invercargill Est, Jock's Roost, 6 on 17/11 (MLB).

PECTORAL SANDPIPER *C.melanotos*

L Ellesmere, 1 on 31/10, 6 on 3/12, 8 on 6/12, 9 on 29/12-28/3 (KCH,SP). Cooper's Lgn, 1 on 9/2 (PAL). L Wainono, 1 on 7/1/90 (ATH).

RED-NECKED STINT *C. ruficollis*

Greenpark Sands, L Ellesmere, 23 on 21/10, 34 on 8/11, 53 including one colour-banded bird on 22/12 (KCH,SP), 59 on 28/12 (AC), 47 on 18/4, 14 on 29/4 (KCH,SP). Head of Awarua Bay, 3 on 6/12, 24 on 26/1 (WJC). Awarua Bay E, 29 on 15/11 (MLB).

FAR-EASTERN CURLEW *Numenius madagascariensis*

Ashley Est, 1 from 21/8-2/2 (KCH,SP). Head of Awarua Bay, 1 on 26/1 (WJC).

ASIATIC WHIMBREL *N. phaeopus variegatus*

Waimea Inlet, 1 feeding on mudbank nr Grossis Pt on 27/5 (GRP,GDQ). Brookland's Lgn, 1 on 7/11 (AC). Avon-Heathcote Est, 3 June-Dec, 4 Dec-April, 3 in May, 1 in June (AC,KCH,SP).

AMERICAN WHIMBREL *N. phaeopus hudsonicus*

Invercargill Est, 1 on 21/4 (MLB).

BAR-TAILED GODWIT *L. lapponica*

Wairau Lgn, 2 on 11/11. L Grassmere, 36 on 11/11, 15 on 15/1 (BN). Kaikoura, 10 on 15/11 (BEE). Oparara Lgn, 47 on 17/11. Karamea Est, 7 on 17/11. Utopia Rd, 8 on 25/6. Orowaiti Est, 83 on 16/11, 31 on 20/12, 8 on 6/2, 3 on 25/6. Buller R Est, 22 on 16/11, 2 on 25/6. Westport AF, 2 on 17/8, 9 on 25/6. Okari Lgn, 42 on 16/11 (CSL), 50 on 24/12 (BSM), 10 on 6/2. Blaketown Lgn, 2 on 19/10 (CSL), 1 on 1/11 (BSM). Greymouth AF, 1 on 15/11 (CSL). Ashley Est, 16 on 13/9 (KCH,SP), 55 on 17/10 (AC,GB), 60 on 21/3, 5 on 15/5 (KCH,SP). Brookland's Lgn, 1 through winter 1990, summer max 205 on 7/11, 18 winter 1991. Avon-Heathcote Est, c.370 through winter 1990, until 660 on 23/9, summer max 1814 on 6/11, usually 1600 through summer, c.220 overwintering 1991. Lyttelton Hbr, 432 on 8/11, 54 on 23/6 (AC). L Ellesmere, small flocks scattered around lake Oct-April, max 70 at Embankment Rd, on 21/10 (AC,KCH,SP). Cooper's Lgn, 1 on 26/9, 16/12. Washdyke Lgn, 10+ on 6/2 (PAL). Karitane, max 103 on 4/2, 9 over winter (DJO). Hooper's Inlet, Otago Pen, 324 on 8/9, a high count for that date (AW). Papanui Inlet, Otago Pen, winter counts have steadily increased since 1988 to 211 on 23/6 (K&JVM). Waikawa Hbr, 75 on 29/11 (WJC). Invercargill Est, main flocks arrived on 30/9 (MLB). Head of Awarua Bay, c.30 on 6/12, 510 on 26/1 (WJC).

HUDSONIAN GODWIT *L. haemastica*

Avon-Heathcote Est, 2 in July, 1 Aug-late Feb (AC,KCH,SP). Jarvis Rd, L Ellesmere, 1 on 20/9 (KCH,SP). Aramoana, 1 on 3/11 and 11/11 (DJO,NJW,DY).

WANDERING TATTLER *Tringa incana*

Avon-Heathcote Est, 1 in July (AC).

SIBERIAN TATTLER *T. brevipes*

Kaikoura, 1 on 15/11 (BEE). Ashley Est, 1 on 26/2 (PAL), 1 on 21/3 (KCH,SP). Avon-Heathcote Est, 1 from late Sept through winter (AC,KCH,SP). Ashburton RM, 1 on 25/11 (AC). Aramoana, 1 on 17/7 in breeding plumage, 2 on 11/11, 2 in Mar (DJO,NJW,DY).

TATTLER *sp.*

Otakau, Otago Hbr, 1 on 21/7 (LP). Head of Awarua Bay, 2 on 26/1 (WJC). Cow I, Awarua Bay, 1 on 7/7. Awarua Bay E, 3 on 15/11. Invercargill Est, Jock's Roost, 1 with transverse barring on breast and flanks on 13/4 (MLB).

GREENSHANK *T.nebularia*

Awarua Bay E, 1 on 13/4 (MLB).

SOUTHERN GREAT SKUA *Catharacta skua lonnbergi*

Papatowai, 1 on 3/2 chasing a White-faced Heron, chased away in turn by Black-backed Gulls. Nuggets, 1 on 3/2. Both records north of usual range (ARB).

ARCTIC SKUA *Stercorarius parasiticus*

Queen Charlotte Sd, 1 on 21/12/89 (P&KM). Bruce Bay, 7 on 31/3 (PG). Avon-Heathcote Est, 1 light phase on 27/12, 31/12, 1 dark phase on 31/3 (AC). Akaroa Hbr, 1 dark phase inside hbr on 10/12 (GRP). Birdling's Flat, 2 dark, 2 light phase on 12/5. Taumutu B, 5 on 16/12, 9 on 10/5, 3 with well-grown tail feathers. L Wainono, 1 on 6/2 (PAL). Cape Wanbrow, Oamaru, 1 harassing White-fronted Terns on 13/1 (CFJO'D). Katiki B, 5 chasing terns on 16/12 (AA). Karitane, 1 light and 1 dark phase together on 27/3 and 5/4, 2 light phase on 20/4 (DJO). Boulder B, Otago Pen, 1 dark phase on 8/12 (PS).

POMARINE SKUA *S.pomarinus*

Brookland's Lgn, 1 dark phase on 17/4. Sth New Brighton, 1 dark phase on 29/4 (AC). Avon-Heathcote Est, 1 light phase on 6/12 (AC,PFB).

BLACK-BACKED GULL *Larus dominicanus*

West Coast, common, widespread, breeding. Break Crk Lgn, 3 on 17/11. Oparara Lgn, 25 on 17/11. Orowaiti, 6 on 16/11 (CSL). Rough R, Maruia, 1 on 9/3 (PG,RS). Range Crk Lgn, 15 + 300 at dump on 15/11. Greymouth R Wetland, 2 on 23/8. Greymouth AF, 13 on 26/7, 4 on 23/8, 2 on 21/9. Greymouth, 1 23/7 (CSL). L Grassmere, 22 nests on 11/11, 3 on 11/6 (BN). Waimari B, Christchurch, c.1200 opposite landfill site on 22/2 (PAL). Avon-Heathcote Est, c.1700 on 11/9. Lyttelton Hbr, 980 in 3 colonies at Teddington on 8/11 (AC). Ashburton Lakes, 18 on 21/7 (DGG). Ashburton R survey, 3587 on sth branch, 2517 on nth branch on 25/11 (CFJO'D). L Wainono, c.1560 including c.1260 in breeding colony on 6/2 (PAL).

RED-BILLED GULL *L.novaehollandiae scopulinus*

L Grassmere, 44+ nests on 11/11, many on 10/6 (BN). Dolomite Pt, West Coast, 30 prs breeding (BSM). Rapahoe, 2 on 25/10 (CSL). Bromley SP, c.4300 at dusk on 11/9, c.7120 feeding on midges on 31/3 (AC). Ashburton RM, 2 on 25/11 (AC).

BLACK-BILLED GULL *L.bulleri*

Karamea Est, 1 on 17/11. Kongahu, 66 on 17/11. Okari Lgn, 6 on 16/11. Pororari Est, 3 on 27/4. L Ryan, 2 on 28/2, 4 on 25/4. Blaketown Lgn, 6 on 21/9, 3 on 19/10, 20 on 7/2, 27 on 28/2, 20 on 28/3, 3 on 25/4, 12 on 23/5, 1 on 20/6. Greymouth AF, 1 on 28/3. Cameron's B, 7 on 7/11. Taramakau RM, 13 on 17/7 (CSL). Taumutu, c.300 on 29/7 when L

Ellesmere outlet was opened (PAL). Thompson's Track, Mid-Canterbury, 527 in worked paddock on 11/2 (PG). Ashburton R, 6577 on sth branch, 670 on nth branch on 15/11 (CFJO'D). L Wainono, c.2850 on 6/2 (PAL). Dart and Rees R, 1113 on 24-26/10. An increase over the 444 of 1984 (BMcK). Karitane, large numbers arrived during the first week of Feb, with over 1000 on 17/2 (DJO). Upper Eglinton V, colony of c.1200 on 23/12 was washed out over Christmas. Hall Arm, Doubtful Sd, c.30 on 15/1 (CFJO'D).

WHITE-WINGED BLACK TERN *Chlidonias leucopterus*

Ashley Est, 2 in Sept (GT). Bromley SP, 1 in June (AC,KCH,SP). Kaitorete Spit tip, 1 on 18/11 with mottled plumage (PAL), 1 on 3/5 (KCH,SP). Cooper's Lgn, 2 on 16/2 with one in breeding plumage (PAL).

BLACK-FRONTED TERN *Sterna albobristata*

Wairau R, 12 on 21-22/12/89 (P&KM). Canterbury High Country records from Bruce Stm, Mandamus R, Hurunui R, above and below L Sumner, Upper Waimakariri R (MAH). Waimakariri RM, 30 on 18/5 (PAL). Avon-Heathcote Est, max 122 on 21/3 (AC). Taumutu, 20 on 29/7 (PAL). Ashburton R, 112 on sth branch, 59 on nth branch on 25/11 (CFJO'D). Tarras, Central Otago, first spring return on 11/8 (AA).

CASPIAN TERN *S. caspia*

Little Wanganui Est, 2 on 5/4 (CMM). Kongahu, 3 on 17/11. Orowaiti Est, 1 on 25/6. Tauranga Bay, 2 on 25/6. Okari Lgn, 1 on 16/11, 1 on 25/6. Pororari Est, 1 on 27/4. Blaketown Lgn, 1 on 7/2, 2 on 28/2 (CSL). L Grassmere, 2 on 15/1, 2 on 1/4 (BN). Courtney-Burnt Hill, Waimakariri R, present on 1/10 (PAL). Brookland's Lgn, 5 on 17/7, 40 on 17/4 (AC), 40 on 18/5 (PAL). Avon-Heathcote Est, max 95 on 26/2 (AC). Embankment Rd, L Ellesmere, 59 resting on mudflats on 21/10 (KCH,SP). Birdling's Flat, 5 on 12/5. Kaitorete Spit tip, 2 pr nesting on 18/11. Taumutu, c.50 on 29/7. Washdyke Lgn, 2 on 6/2 (PAL). L Ohau, 2 ad, 1 imm at nth end on 3/2/90 (ATH). New R Est Shellbanks, 65 nests with 112 eggs and 10 chicks, 2 less than 2 hrs old on 22/11 (WJC).

WHITE-FRONTED TERN *S. striata*

Oparara Lgn, 1 on 17/11. Kongahu, 10 on 17/11. Okari Lgn, 1 on 16/11 (CSL). Dolomite Pt, breeding (BSM), 2 on 1/1. Taramakau RM, 73 on 17/7, 78 on 7/11 (CSL). L Grassmere, 8 on 14/8, 2 on 11/11 (BN). Waipara RM, 480 on 7/1 (AC). Ashley Est, 365 on 17/10 (AC,GB). Brookland's Lgn, 128 on 17/4 (AC), 350 on 5/5, 18/5. New Brighton B, flocks often roost on roofs, 70 on 23/3, 119 on 25/4, 150 on 9/5, few juvs seen. Birdling's Flat, roost of c.1000 including only 3 juv on 12/5 (PAL). Taumutu, many hundreds on 17/11 (KCH,SP), several hundred foraging in surf zone on 11/5. Rakaia R Gorge, 16 on 18/11. Ashburton RM, 32 on 25/11 (CFJO'D). Washdyke Lgn colony, 70 ad, 100 large downy chicks on 6/2 (PAL).

LITTLE TERN *S. albifrons*

Aramoana, 1 on 13/11 (KCG,PS). Otakau, Otago Hbr, 1 on 30/3 (IS).

NEW ZEALAND PIGEON *Hemiphaga novaeseelandiae*

Moonlight R, many on 10/2 (PG,RS). Hibernia Crk, common (BSM). Greymouth, 10 on 16/7, 2 on 7/5, 1 on 22/6 (CSL). Waiau township, 1

present May and June (JC). University of Canterbury campus, 1 feeding on kowhai on 3/9 (PAL). Port Hills, Christchurch, present in small numbers through bush remnants, winter feeding congregations of 2-6 in larger reserves (AC,PAL). Hinewai Reserve, Bank's Pen, absent June-July, numbers increase in Oct with 14 on 22/10, 2-4 seen frequently in summer and display flights observed, summer max 12 on 24/1, movement to lower altitudes in winter when birds feed on tree lucerne (HW). Clyde, 1 feeding on hawthorn berries on 1/6 (MCC).

ROCK PIGEON *Columba livia*

Oparara Lgn, 9 on 17/11 (CSL).

WHITE COCKATOO *Cacatua galerita*

Rahui, 1 on 15/11 (CSL). Te Kinga, 1 on 15/11, 1 on 29/12, 1 on 18/1, 1 on 19/1 (PG,RS).

SOUTH ISLAND KAKA *Nestor meridionalis meridionalis*

Lyell R, 2 on 24/11. Mt Wise, 1 on 1/1. Moonlight R, 5+ on 10/2 (PG,RS). Inland Pack Track, Paparoa NP, 1 on 29/11 (BSM). Mt Watson, 1 on 9/2 (PG,RS). Rewanui, 1 on 24/10, 2 on 24/12 (CSL). Goat Hill, 1 on 26/8 (PG,RS). Whitcombe V, above Frew's Hut, 2 heard on 21/12/89 (MAH). Hall Arm, Doubtful Sd, 3 seen on 15/1 (CFJO'D). Lower Seaforth V, single bird only, 12-17/10 (IS).

KEA *N. notabilis*

Slaty Peak, Mt Richmond FP, 2 on 2/9/89. Ben Nevis, Mt Richmond FP, 2 on 29/12/89 (MAH). Bulmer Crk, 1 on 19/1. Rough R, Maruia, 1 on 9/3. Croesus Track, Barrytown, 1 on 10/8. Crane Crk, 2 on 22/10 (PG,RS). Arahura, 2 on 18/4 (CSL). Mt Tapuaenuku, Inland Kaikoura Range, present on 24/12 (MAH). Waiau township, 1 on 10-11/9, punctured milk bottle tops in a crate at town dairy (JC). Mt Philistine, Arthur's Pass NP, ad female and juv eating *Coprosma perpusilla* fruit and leaf bases of *Celmisia discolor* and *Aciphylla monroi* on 24/9/89 (MAH). Zigzag, Arthur's Pass NP, 3 on 19/10, 1 juv on 11/12, 1 on 16/1, 5 on 20/1, 2 on 19/2, 12 on 11/3, 4 on 25/4 (AC). Torlesse Range, common, max 14 in head of Kowai R in late Jan (MAH). L Catherine, 1 on 13/1. L Lyndon, individuals seen frequently (PAL).

EASTERN ROSELLA *Platycercus eximus*

Otago, several records from usual areas: Waitati, Dunedin and Waipori Gorge. Wakari, Dunedin, present throughout year, max 20 sightings in Oct (JAW).

PARAKEET sp. *Cyanoramphus* sp.

Wairoa V, Mt Richmond FP, several heard above mid Wairoa Hut on 30/5/89. Tarn Hut, Mt Richmond FP, 2 heard on 30/8/89 (MAH). Mt Haast, 1+ on 15/7. Lyell R, 2 on 24/11. Mt Wise, 1 on 1/1. Bulmer Crk, 1 on 19/1. Bald Hill, 3 on 3/6 (PG,RS). Whitcombe V, present above Frew's Hut on 21/12/89 (MAH). W Ewe Burn Res, Central Otago, 3 on 9/2 over 78 km from nearest atlas record (K&JVM).

YELLOW-CROWNED PARAKEET *C. auriceps*

Inland Pack Track, Paparoa NP, 1 on 29/11 (BSM). Rahu Saddle, 1

on 21/10 (CFJO'D). Silverpeaks, Otago, 1 on 27/1. First record for many years. Lower Seaforth V, 2 + 1 unidentified 5-17/10 (IS).

ORANGE-FRONTED PARAKEET *C. malherbi*

Deer Flat, Eglinton V, 1 with Yellow-crowned Parakeet on 22/12 and 16/1 (DGG,CFJO'D).

SHINING CUCKOO *Chrysococcyx lucidus*

Barrytown, 1 juv on 3/4 (CMM). Kaiata, heard on 18/9. Greymouth, heard on 9/10 and 23/12, 1 dead on 12/2 (CSL). Te Kinga, 1 on 13/8. Crane Crk, 1 on 22/10 (PG,RS). Hinewai, Bank's Pen, several heard Oct-early Jan (HW). Present at Alford Forest, Mt Somers, Mt Hutt and Rakaia Gorge on 18/11 (CFJO'D). L Heron, calling on 7/12 (PG). Otago Pen, first record 1 on 27/9 (JED). Last Otago records, Outram, 1 on 15/2 (G&DG), Woodside, 5 on 19/2, Mosgiel, 1 on 3/3 (PS).

LONG-TAILED CUCKOO *Eudynamys taitensis*

Marconi Hill, heard on 10/1 (PG,RS). Greymouth, heard on 22-23/12 (CSL). Kakawau Peak, 1 on 17/1. Taramakau R, 1 on 31/12 (PG,RS). Kawhaka, heard on 9/10 (CSL). W Ewe Burn Res, Central Otago, 1 on 8/2, a new locality (K&JVM). Knobs Flat, Eglinton V, 3 single chicks being fed by Brown Creepers and one by Yellowheads in 100 ha of forest on 13-14/2 (CFJO'D).

MOREPORK *Ninox novaeseelandiae*

Lyell R, 1 + on 24/11 (PG,RS). Hibernia Crk, common (BSM). Cass, Sugarloaf, calling from forest remnants on 3/3 (MAH). Hinewai Reserve, Bank's Pen, 1 on 1/10/89, calling on 3/2/90, 2 calling on 2/7 (HW). Alford Forest, Mt Somers, calling on 18/11 (CFJO'D). Sandy Point Reserve, Southland, 1 on 9/4 (MLB).

LITTLE OWL *Athene noctua*

L Ellesmere, 1 at Wolfe's Rd on 4/10, 8/12, 1 at Greenpark Huts on 27/1 (KCH,SP). Broad Bay, Otago Pen, 3 calling on 9/4 (AW). Lower Lindis V, calling started on 7/2 (AA).

SPINE-TAILED SWIFT *Hirundapus caudacutus*

Hokitika, 1 in March (CSL).

FORK-TAILED SWIFT *Apus pacificus*

North Head, Pitt I, 1 soaring around cliffs on 2/1 (RJ).

NEW ZEALAND KINGFISHER *Halcyon sancta vagans*

Orowaiti Est, 4 on 25/6. Tauranga Bay, 5 on 25/6. Addison's Flat, 1 on 25/6. Okari Lgn, 1 on 25/6. L Ryan, 1 on 25/4, 2 on 23/5. Range Crk Lgn, 1 on 23/5 (CSL). Barrytown Flats, common (BSM). Many coastal records, especially in winter in Otago. Few records inland: Morrison's Willows, Earnsclough, 2 all season (MCC), Lindis R, 1 on 22/3 (AA). Henry Burn, Dusky Sd, 1 on 9 & 17/10 (IS).

SOUTH ISLAND RIFLEMAN *Acanthisitta chloris chloris*

Mt Haast, 1 + on 15/7. Croesus Track, Barrytown, 1 on 10/8 (PG,RS), 4 prs on 6/12 (BSM). Camp Crk, 2 on 18/9, 2 on 30/12. Mt Alexander, 2 on 30/12. Marconi Hill, 1 + on 10/1. Bulmer Crk, 1 + on 19/1. Mt Watson,

1 + on 9/2. Moonlight R, many on 10/2. Bald Hill, 2 on 3/6 (PG,RS). Torlesse Range, Canterbury, common in forested areas (MAH). Otepatotu Reserve, Bank's Pen, several seen and heard on 10/12 (GRP).

ROCK WREN *Xenicus gilviventris*

Mt Alexander, 1 on 16/9, 1 on 18/9, 2 on 29/10, 3 on 30/12. Upper Deception R, pr in Oct (SMP). Temple Basin, 1 on 14/7 (PG,RS). Upper Otira V, pr in Feb (MAH).

SKYLARK *Alauda arvensis*

L Ryan, 1 on 19/10. Greymouth AF, 6 on 26/7, 3 on 23/8, 1 on 21/9, 3 on 19/10, present on 15/11, 2 on 7/2, 2 on 25/4, 2 on 23/5. Mikonui, several on 6/11 (CSL). Mt Tapuaenuku, Inland Kaikoura Range, present on 24/12 (MAH).

WELCOME SWALLOW *Hirundo tahitica neoxena*

Orowaiti Est, 3 on 25/6. Tauranga Bay, 2 on 25/6. Okari Lgn, 6 on 6/2. Pororari Est, 1 on 27/4 (CSL). Barrytown Flats, common in summer, present all winter (BSM). Greymouth, 3 on 2/7 (CSL). Bromley SP, large numbers present Feb-June, feeding on midge swarms, max 294 on 6/3 (AC). Cooper's Lgn, max 100 + on 29/7 (PAL). Taiaroa Hd, 1 on 14/1 (CFJO'D). Range expanding in inland Otago: Tarras, pr nested for only the second year, numbers increasing in 2 places in the area (AA,MCC). Deep Stm, Rocklands Station, 1 on 25/11, new locality (K&JVM). Southland, bred at Austin's Bridge, Thornbury, and at a new site at Linscott's Rd, Thornbury (MLB). No breeding at Round Hill this year (RRS).

NEW ZEALAND PIPIT *Anthus novaeseelandiae*

Rough R, Maruia, 1 on 9/3. Bald Hill, 6 + on 3/6 (PG,RS). Taramakau RM, 1 on 17/7. Mikonui, 5 on 6/11 (CSL). Torlesse Range, common on tops (MAH). New Brighton B, 3 on 25/4 (PAL).

HEDGE SPARROW *Prunella modularis*

West Coast, common (RS).

SONG THRUSH *Turdus philomelos*

West Coast, common, widespread and breeding (RS).

BLACKBIRD *T. merula*

West Coast, common, widespread and breeding (RS). Waiau, 1 off-white albino on 24/1 (JC). Torlesse Range, common (MAH).

SOUTH ISLAND FERNBIRD *Bowdleria punctata punctata*

Boulder L, NW Nelson, 6 heard at head of lake on 17/8/89. Beathams Clearing, NW Nelson, 1 heard on 17/8/89. Fletcher Crk, Westland, present on 19/7/89 (MAH). Otago, recorded from L Waihola, L Waipori and Coutt's Gully, Taieri RM (DJO,RP). Upper Waihopai R, isolated populations, several in red tussock and flax on 4/7 (RRS).

BROWN CREEPER *Mohoua novaeseelandiae*

Denniston Plateau, 2 groups in stunted vegetation on 22/10 (CFJO'D). Mt French, 10 on 3/8. Croesus Track, Barrytown, 1 on 10/8 (PG,RS), many on 6/12. Hibernia Crk, occasional (BSM). Camp Crk, 5 on 18/9. Tuke R, many on 22/9. Lyell R, 1 + on 24/11. Mt Wise, 1 + on 1/1. Marconi Hill,

1 + on 10/1. Bulmer Crk, 1 + on 19/1. Barrack Crk Track, 1 + on 16/3 (PG,RS). Sudden V Stm, Arthur's Pass NP, flocks of 20-30 on mountain beech terraces associating with Yellowheads and Parakeets on 20/8 (PAL). Torlesse Range, common in forested areas (MAH). Bank's Pen, seen and heard in several scenic reserves and in suburban gardens in Akaroa on 9-14/12 (GRP). Hinewai Reserve, Bank's Pen, several prs regularly recorded in red beech and occasionally in tall kanuka (HW). Stoney Bay, Bank's Pen, present on 15/12 (PAL).

YELLOWHEAD *M. ochrocephala*

Spey and Seaforth R, fairly common in tall beech on 3-20/10. Henry Burn, 3 on 9/10 (IS).

GREY WARBLER *Gerygone igata*

West Coast, common (PG,CSL,BSM,RS). Torlesse Range, common throughout (MAH).

SOUTH ISLAND FANTAIL *Rhipidura fuliginosa fuliginosa*

West Coast, common (PG,CSL,RS). Torlesse Range, common in forested areas (MAH). Dunedin, 2 pied and 1 black by Town Hall, city centre on 26/4 (AW).

YELLOW-BREASTED TIT *Petroica macrocephala macrocephala*

Mt Wise, 1 on 1/1. Mt Watson, 1 + on 9/2. Moonlight R, 1 + on 10/2. Bald Hill, 2 on 3/6 (PG,RS). Croesus Track, 30 on 6/12, breeding (BSM). Kawhaka V, 3 on 3/10 (CSL). Torlesse Range, common in forested areas (MAH). Hinewai Reserve, Bank's Pen, common throughout in all habitat types, breeding recorded (HW). Dunedin Town Belt, 1 on 10/3, outside usual area (ARB). Hall Arm, Doubtful Sd, common on 15/1 (CFJO'D).

SOUTH ISLAND ROBIN *P. australis australis*

Oparara Basin, 1 on 23/5 (MAH). Mt Haast, 1 + on 15/7. Rough R, Maruia, 2 on 30/9, 1 on 9/3. Lyell R, many on 24/11. Taramakau R, 1 on 31/12. Mt Wise, 1 on 1/1. Bulmer Crk, 1 on 19/1. Bald Hill, 1 on 3/6 (PG,RS). Hurunui V, 4 on Mac's Knob Track on 26/11 (MAH). Hawdon Shelter, Arthur's Pass NP, 1 on 20/8 (PAL), 6-7 around campsite on 29/12-2/1 (JW). Spey R, 3 on 2/10. Seaforth V, 1 on 5/10 (IS).

SILVEREYE *Zosterops lateralis*

West Coast, common, widespread and breeding (CSL,PS). Torlesse Range, common (MAH).

BELLBIRD *Anthornis melanura*

West Coast, common and widespread (PG,CSL,BSM,RS). Trail Stm, and Hodder V, Inland Kaikoura Range, present in Hall's totara remnants. Torlesse Range, common (MAH). Hinewai Reserve, Bank's Pen, abundant and conspicuous in fruiting tree fuchsias (HW). Hall Arm, Doubtful Sd, common on 15/1 (CFJO'D).

TUI *Prosthemadera novaeseelandiae*

Moonlight R, 1 + on 10/2 (PG,RS). Hibernia Crk, common in summer, occasional in winter (BSM). Greymouth, 1 on 25/10, 1 on 22/6. Ross, many on 17/7 (CSL). Akaroa, 1 on 5/10 in suburban garden (PAL). Hinewai Reserve, Bank's Pen, no sightings Jan 89 - June 91 (HW).

YELLOWHAMMER *Emberiza citrinella*

West Coast, occasional (PS). Torlesse Range, common (MAH).

CIRL BUNTING *E. cirrus*

Wakapuaka Sandflats, 3 males, 2 females seen with Yellowhammers and House Sparrows on 30/5 (GRP,GDQ). L Grassmere, a few seen among flocks of Greenfinches, Goldfinches, Yellowhammers and House Sparrows on 1/6 (GRP, GDQ). Kaiapoi, 1 on 27/1 (KCH,SP). Bromley SP paddocks, no sightings winter 1991, usually present May-Aug (AC). Lyttelton township, 2 on 19/9 in scrub (PAL). Lindis V, locally common Aug – Nov (AA). Mackays, Tarras, pr nested. Axle Orchard, Alexandra, 4 in Mar (MCC). Karitane, 1 on 20/4 (DJO). Taiaroa Hd, Otago Pen, pr on 25/9 (AA). Henley, only 2 singing males in Nov, a decrease (PG,DJO).

CHAFFINCH *Fringilla coelebs*

Lyell R, 1 on 24/11 (PG,RS). Hibernia Crk, common (BSM). Blaketown Lgn, c.12 on 20/6. Greymouth, 2 on 28/6 (CSL). Torlesse Range, common (MAH).

GREENFINCH *Carduelis chloris*

West Coast, occasional. Greymouth AF, c.10 on 23/11. Greymouth, 1 on 15/6, 1 on 18/6 (CSL). Alexandra area, unusually high numbers, summer and autumn (MCC).

GOLDFINCH *C. carduelis*

L Ryan, 4 on 15/11. Greymouth, 2 on 4/8. Greymouth AF, 2 on 15/11, 1 on 25/4, 8 on 23/5 (CSL). Nr Auckland Is, 1 on board ship on 14/4, 3 on 15/4 (MJI).

REDPOLL *Acanthis flammea*

Bulmer Crk, 1+ on 19/1 (PG,RS). Croesus Track, 1+ on 6/12. Barrytown Flats, common (BSM). Greymouth AF, 2 on 23/5 (CSL). Torlesse Range, common (MAH). Alexandra area, unusually low numbers summer and autumn (MCC).

STARLING *Sturnus vulgaris*

West Coast, common, eg L Ryan, 17 on 7/2, Blaketown Lgn, c.50 on 28/3, Greymouth AF, 44 on 26/7, 49 on 23/8, 52 on 21/9, 16 on 19/10, c.40 on 28/2, 28 on 28/3, c.120 on 23/5 (CSL).

WHITE-BACKED MAGPIE *Gymnorhina tibicen hypoleuca*

Boatman's Crk, West Coast, 15 on 21/8 (AB). L Ryan, 1 on 20/6. Flowery Crk, 3 on 23/4 (CSL). Jacksons, Taramakau V, 1 on 25/10. Upper Eglinton V, arrived in recent years, now 10 present (PJD,CFJO'D).

ROOK *Corvus frugilegus*

Sheffield, 50 feeding over stubble on 6/12 (PAL). Purau Bay, Lyttelton Hbr, 6 on 13/11 (AC). Rocklands Station, road-killed fledgling on 2/12, 18 km from Middlemarch breeding colony. Clark's Junction, flock of 43 on 25/11 (K&JVM).