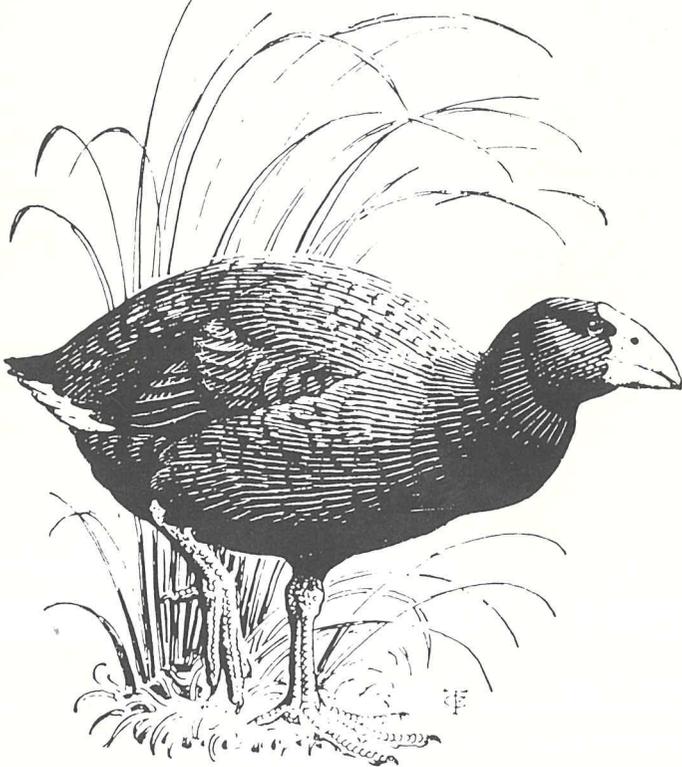


# NOTORNIS

Journal of the Ornithological Society  
of New Zealand



Volume 41 - 1994

ISSN 0029-4470

## OFFICERS 1994-95

President – BRIAN BELL, P.O. Box 12397, Wellington

Vice-President – DAVID CROCKETT, 21 McMillan Ave., Kamo, Whangarei

Notornis Editorial Panel: – GÁBOR L. LÖVEI, Editor, 16 Margaret St.,

Palmerston North 5301; JOHN E. DOWDING, P.O. Box 36-559,

Northcote, Auckland; PAUL M. SAGAR, 38A Yardley Street,

Christchurch 8004

Treasurer – MARK NEE, P.O. Box 12397, Wellington

Secretary – RAEWYN EMPSON, P.O. Box 12397, Wellington

### Council Members

TENICK DENNISON 129 Renall St, Masterton

HAZEL HARTY, P.O. Box 316, Drury

JENNY HAWKINS, Black Horse Quarry, RD1, Nelson

TIM LOVEGROVE, 47 Pupuke Rd, Auckland 10

RALPH POWLESLAND, P.O. Box 12397, Wellington

HUGH ROBERTSON, 30 Deller Grove, Silverstream

PAUL SAGAR, 38A Yardley Street, Christchurch 8004

### Conveners and Organisers

Rare Birds Committee: Secretary, JOHN DAVENPORT, 214 Maungatapu Rd.,  
Tauranga 3001

Beach Patrol: GRAEME TAYLOR, P.O. Box 12397, Wellington

Librarian: KATHY BARROW, c/o Auckland Institute & Museum, Private Bag  
92018, Auckland

Nest Records: HUGH A. ROBERTSON, 30 Deller Grove, Silverstream

Banding Liaison Officer: JENNY HAWKINS, Black Horse Quarry, RD1,  
Nelson

Reviews Editors: KEITH WOODLEY, Miranda Naturalists' Trust, R.D.1,  
Pokeno

Bird Slide Librarian: PAUL CUMING, 82 Morrinsville Rd., Hamilton

CSN North Island: RICHARD PARRISH, 145 Church Street, Whangarei

South Island: COLIN O'DONNELL, Dept of Conservation, Private Bag,  
Christchurch

S.W. Pacific Island Records: J. L. MOORE, 32 Brook St, Lower Hutt

Editor of *OSNZ News*: TONY CROCKER, 117 Paparoa St., Christchurch

### SUBSCRIPTIONS AND MEMBERSHIP

*Annual Subscription*: Ordinary Member \$40 [US\$25, UK£15]; Husband & Wife  
Members \$60; Junior Member (under 20) \$20; Family Member (one *Notornis*  
per household), being other family of a member in the same household as  
a member, \$20; Supporting \$80 minimum; Institution \$80 [US\$50, UK£30];  
Corporate \$200; Life (over 30 years old) \$800. Overseas member and overseas  
institution \$10.00 extra (postage).

Overseas subscriptions may be paid by VISA or Mastercard.

Applications for membership, changes of address, resignations and advice on non-  
delivery of *Notornis* and *OSNZ News* should be sent to: –

Membership Secretary, Hazel Harty, P.O. Box 316 Drury, South Auckland;  
Phone/Fax: (09) 294 8334

Exchanges and library subscriptions should be sent to the Treasurer.

## CONTENTS OF VOLUME 41

1994

Part 1: March 1994

## CONTENTS

Classified Summarised Notes, North Island, 1 July 1991 to 30 June 1992 .....	1
LIVEZEY, B.C. The carpometacarpus of <i>Apterornis</i> .....	51
WRAGG, G.M.; WEISLER, M.I. Extinctions and new records of birds from Henderson Island, Pitcairn Group, South Pacific Ocean .....	61
SHERLEY G. Co-operative parental care: contribution of the male Rifleman ( <i>Acanthisitta chloris</i> ) to the breeding effort .....	71
Short Notes	
HAASE, B. A Chatham Island Mollymawk off the Peruvian coast.	50
Review .....	82

## Part 2: June 1994

SAGAR, P.M.; MOLLOY, J.; TENNYSON, A.J.D. Numbers of Buller's Mollymawks breeding at The Snares Islands.....	85
SCHUCKARD, R. New Zealand Shag ( <i>Leucocarbo carunculatus</i> ) on Duffers Reef, Marlborough Sounds.....	93
MEENKEN, D.; FECHNEY, T.; INNES, J. Population size and breeding success of North Island Kokako in the Waipapa ecological area, Pureora Forest Park.....	109
POWLESLAND, R.G.; POWLESLAND, M.H. Seabirds found dead on New Zealand beaches in 1992, and a review of <i>Larus</i> species recoveries, 1943 to 1992.....	117
STUDHOLME, B.J.S.; RUSS, R.B.; McLEAN, I.G. The Fiordland Crested Penguin survey: Stage IV, Stewart and Offshore Islands and Solander Island.....	133
Short Notes	
KENDRICK, J.L. Bellbirds breeding in Northland.....	116
BELL, B.D. House Sparrows collecting feathers from live feral pigeons	144
TAYLOR, G. Recapture of 2-year-old Chatham Petrel at natal colony	145
GIBB, J.A.; FLUX, J.E.C. Rain-bathing by pigeons.....	146
GILL, B.J. Natal down of the Silvereye.....	147
Reviews.....	149
Obituary.....	153
Instructions to Authors.....	155

## Part 3: September 1994

DANN, P. The abundance, breeding distribution and nest sites of Blue Penguins in Otago, New Zealand .....	157
Classified Summarised Notes South Island, 1 July 1991 to 30 June 1992	167
BRIDGMAN, H.A.; MADDOCK, M. Meteorological conditions and Cattle Egret migration: An update .....	189
Short Notes	
HAWKE, D.J. Seabird association with Hector's Dolphins and trawlers at Lyttelton Harbour mouth .....	206
McCULLOCH, B. A likely association of the New Zealand Owlet-nightjar ( <i>Megaegotheles novaezealandiae</i> Scarlett) with early humans in New Zealand .....	209
O'DONNELL, C.F.J. Distribution and Habitats of Spotless Crakes in Canterbury .....	211
McLEAN, I.G.; RUSS, R.B. Birds and mammals of Solander (Hautere) Island .....	213
GRANT, G.S.; TRAIL, P.W. First Specimens of Sooty Shearwater, Newell's Shearwater, and White-faced Storm-Petrel from American Samoa .....	215
Reviews .....	217
Errata .....	219

## Part 4: December 1994

DOWDING, J.E. Morphometrics and ecology of the New Zealand Dotterel ( <i>Charadrius obscurus</i> ), with a description of a new subspecies .....	221
Classified Summarised Notes North Island, 1 July 1992 to 30 June 1993	235
POWLESLAND, R.G.; POWLESLAND M.H. Seabirds found dead on New Zealand beaches in 1993, with a review of <i>Sterna</i> <i>albobstriata</i> , <i>S. caspia</i> and <i>S. striata</i> recoveries, 1943 - 1992 ...	275
Short Notes	
PIERCE, R.J. A relict population of Rifleman in Northland .....	234
TAYLOR, G.A.; TENNYSON, A.J.D. Christmas Island Shearwater <i>Puffinus nativitatis</i> on Curtis Island .....	287
PIERCE, R.J. Survey of North Island Robins on Moturua Island, Bay of Islands .....	291
HARDING, M.A. Blue Duck dispersal at Arthur's Pass .....	293
WRAGG, G. A vagrant Laughing Gull ( <i>Larus atricilla</i> ) from Pitcairn Island: a new record for southern and eastern Polynesia .....	295
Review .....	297
Obituaries .....	298
Notice .....	304

## INDEX OF AUTHORS AND SPECIES

## VOL 41

- Acanthisitta chloris*, see Rifleman  
*c. chloris*, see Rifleman, South Island  
*c. granti*, see Rifleman, North Island
- Acanthisittidae, 71-81
- Acridotheres tristis*, see Myna, Indian
- Acrocephalus vaughani taiti*, see Warbler, Henderson Reed
- Adzebill, North Island, 51-60  
 South Island, 51-60
- Aepyornithidae, see Elephant bird
- Aestrelata magentae*, see *Pterodroma magentae*
- Aldaia arvensis*, see Skylark
- Albatross, Laysan, 145  
 Light-mantled Sooty, 4, 120, 298, Suppl., 99  
 Northern Royal, 91, 168, Suppl., 99, 106, 111  
 Royal, 61, 68, 120, 237, 278, Suppl., 99  
 Southern Royal, 91, Suppl., 99  
 spp., 85-92, 150, 279, 280, Suppl., 98  
 Wandering, 4, 86, 91, 120, 151, 237, 278, Suppl., 98, 99
- Alcid, 55
- Alectoris rufa*, see Partridge, Red-legged
- Anarhynchus frontalis*, see Wrybill
- Anas a. chlorotis*, see Teal, Brown  
*clypeata*, see Shoveler, Northern  
*eatoni*, see Pintail, Kerguelen  
*gibberifrons*, see *Anas gracilis*  
*gracilis*, see Teal, Grey  
*platyrhynchos*, see Duck, Mallard  
*rhynchotis variegata*, see Shoveler, New Zealand  
*superciliosa*, see Duck, Grey
- Anatidae, 218
- Anous minutus*, see Noddy, White-capped  
*stolidus*, see Noddy, Common  
*s. pileatus*, see Noddy, Common
- Anseriformes, 51, 55
- Anthornis melanura melanocephala*, see Bellbird, Chatham Island  
*m. melanura*, see Bellbird
- Anthus n. chathamensis*, see Pipit, Chatham Island  
*n. novaeseelandiae*, see Pipit, New Zealand, or Pipit, Richard's
- Apterornis defossor*, see Adzebill, South Island  
*otidiformis*, see Adzebill, North Island
- Apterygidae, 56, 82-84
- Apteryx australis*, see Kiwi, Brown  
*a. lawryi*, see Kiwi, Stewart Island Brown  
*haastii*, see Kiwi, Great Spotted  
*owenii*, see Kiwi, Little Spotted

- Aptornis*, see *Apterornis*  
*Apus pacificus*, see Swift, Fork-tailed  
*Ardea n. novaehollandiae*, see Heron, White-faced  
*Arenaria interpres*, see Turnstone  
*Athene noctua*, see Owl, Little  
*Atlantisia*, see Rail, Inaccessible Island  
*Aythya novaeseelandiae*, see Scaup, New Zealand
- BELL, BEN.D., House Sparrows collecting feathers from live feral pigeons, 144-145
- Bellbird, 47, 116, 186-187, 209, 214, 272, 281  
 Chatham Island, Suppl., 2, 169, 172, 173, 177, 178
- BEST, H.A., see IMBER, M.J.; CROCKETT, D.E.; GORDON, A.H.;  
 BEST, H.A.; DOUGLAS, M.E.; COTTER, R.N.
- Bird, Fresh water spp., Suppl., 110
- Bittern, Australasian, 14-15, 172, 246
- Blackbird, 20, 45, 126, 151, 186, 271, 273, 281, Suppl., 119, 135
- Booby, Brown, 9, 170  
 Masked, 67  
 Red-footed, 67
- Botaurus stellaris poiciloptilus*, see Bittern, Australasian
- Bowdleria p. punctata*, see Fernbird, South Island  
*p. vealeae*, see Fernbird, North Island  
*rufescens*, see Fernbird, Chatham Island
- Branta canadensis*, see Goose, Canada
- BRIDGMAN, H.A.; MADDOCK, M. Meteorological conditions and Cattle  
 Egret migration: An update, 189-204
- Bubulcus ibis*, see Egret, Cattle
- Bulbul, Red-vented, 151
- BULL, P.C. Sir Charles Fleming's contributions to the ornithology of the  
 Chatham Islands, Suppl., 1-4
- Bulweria bulwerii*, see Petrel, Bulwer's
- Bunting, Cirl, 48, 187, 273, 303
- Bustard, 51
- BUTLER, D., see SAGAR, P.M.; MOLLOY, J.; TENNYSON, A.J.T.;  
 BUTLER, D.
- Cacatua galerita*, see Cockatoo, Sulphur-crested  
*roseicapilla*, see Galah
- Cacomantis flabelliformis*, see Cuckoo, Fan-tailed
- Calidris acuminata*, see Sandpiper, Sharp-tailed  
*alba*, see Sanderling  
*c. canutus*, see Knot, Lesser  
*ferruginea*, see Sandpiper, Curlew  
*melanotos*, see Sandpiper, Pectoral  
*ruficollis*, see Stint, Red-necked  
*tenuirostris*, see Knot, Great
- Callaeas cinerea wilsoni*, see Kokako, North Island
- Callaeatidae*, see Wattlebird

- Callipepla californica*, see Quail, California  
*Caloenas nicobarica*, see Pigeon, Nicobar  
*Carduelis carduelis*, see Goldfinch  
     *chloris*, see Greenfinch  
     *flammea*, see Redpoll  
*Casmerodius albus*, see *Egretta alba*  
 Casuariidae, 56  
 Casuary, 56  
*Catharacta maccormicki*, see Skua, South Polar  
     *skua*, see Skua, Great  
     *skua lonnbergi*, see Skua, Southern  
*Cereopsis novaehollandiae*, see Goose, Cape Barren  
 Chaffinch, 48, 187, 273, 138, Suppl., 121, 138  
 Charadriiformes, 55, Suppl. 105, 179-208  
*Charadrius b. bicinctus*, see Dotterel, Banded  
     *b. exilis*, see Dotterel, Auckland Island Banded  
     *dubius*, see Plover, Little Ringed  
     *hiaticula*, see Plover, Ringed  
     *leschenaultii*, see Dotterel, Large Sand  
     *marginatus*, see Plover, White-fronted  
     *melanops*, see Dotterel, Black-fronted  
     *melodus*, see Plover, Piping  
     *mongolus*, see Dotterel, Mongolian  
     *montanus*, see Plover, Mountain  
     *novaeseelandiae*, see *Thinornis novaeseelandiae*  
     *obscurus*, see Dotterel, New Zealand  
     *o. aquilonius*, see Dotterel, Northern New Zealand  
     *o. obscurus*, see Dotterel, Southern New Zealand  
*Chelychelynechen*, see Goose, Extinct Hawaiian  
*Chlidonias leucopterus*, see Tern, White-winged Black  
*Chrysococcyx l. lucidus*, see Cuckoo, Shining  
 Ciconiiformes, 55  
*Circus approximans*, see Harrier, Australasian  
 CLAPP, R.B., see GRANT, G.S.; TRAIL, P.W.; CLAPP, R.B.  
 CLASSIFIED SUMMARISED NOTES, North Island, 1 July 1991 to 30 June  
     1992, compiled by G.A. Taylor and G.R. Parrish, 1-49  
 CLASSIFIED SUMMARISED NOTES, North Island, 1 July 1992 to 30 June  
     1993, compiled by G.A. Taylor and G.R. Parrish, 235-274  
 CLASSIFIED SUMMARISED NOTES, South Island, 1 July 1991 to 30 June  
     1992, compiled by C.F.J. O'Donnell and J.A. West, 167-188  
*Cnemionis*, see Goose, Extinct New Zealand  
 Cockatoo, Sulphur-crested, 41, 184, 267  
     White, see Cockatoo, Sulphur-crested  
*Coenocorypha aucklandica*, see Snipe, New Zealand  
     *chathamica*, see Snipe, Extinct Chatham Island  
     *pusilla*, see Snipe, Chatham Island

- Columba livia*, see Pigeon, Rock  
*palumbus*, see Pigeon, Wood  
 spp., see Pigeon spp.
- Columbidae, 61
- Columbiformes, 55, 146-147
- Coot, Australian, 22-23, 176, 253
- Cormorant, Double-crested, 106  
 spp., 55
- Corvus frugilegus*, see Rook
- COTTER, R.N., see IMBER, M.J.; CROCKETT, D.E.; GORDON, A.H.; BEST, H.A.; DOUGLAS, M.E.; COTTER, R.N.
- Crake, Henderson, 67  
 Marsh, 176, 211, 212, Suppl., 130  
 sp., 55  
 Spotless, 22, 211-213, 252, Suppl., 130  
 White-browed, 152
- Creeper, Brown, 78, 186
- CROCKETT, D.E. Rediscovery of Chatham Island Taiko, *Pterodroma magentae*,  
 Suppl., 49-60
- CROCKETT, D.E., see IMBER, M.J.; CROCKETT, D.E.; GORDON, A.H.;  
 BEST, H.A.; DOUGLAS, M.E.; COTTER, R.N.
- Cuckoo, Fan-tailed, 43, 184  
 Long-tailed, 43, 68, 126, 185, 269, Suppl., 119, 134  
 Shining, 43, 184-185, 269, Suppl., 119, 134  
 sp., 61, 68
- Cuckoo-shrike spp., 151
- Curlew, Bristle-thighed, 68  
 Eastern, 33, 180, 260, Suppl., 133  
 Far-eastern, see Curlew, Eastern
- Cyanoramphus auriceps*, see Parakeet, Yellow-crowned  
*a. forbesi*, see Parakeet, Forbes'  
*novaezealandiae*, see Parakeet, Red-crowned  
*n. chathamensis*, see Parakeet, Chatham Island Red-crowned  
 spp., see Parakeet, spp.
- Cygnus atratus*, see Swan, Black  
*olor*, see Swan, Mute
- Dabchick, New Zealand, 3, 236-237
- Dacelo novaeguineae*, see Kookaburra
- DANN, P. The abundance, breeding distribution and nest sites of Blue Penguins  
 in Otago, New Zealand, 157-166
- Daption capense*, see Pigeon, Cape  
*c. australe*, see Pigeon, Snares Cape
- DAVIS, A. Status, distribution, and population trends of the New Zealand Shore  
 Plover *Thinornis novaeseelandiae*, Suppl., 179-194
- DAVIS, A. Breeding biology of the New Zealand Shore Plover *Thinornis*  
*novaeseelandiae*, Suppl., 195-208
- Dendrocygna eytoni*, see Duck, Grass Whistling

*Dinornis otidiformis*, see *Apterornis*

Dinornithiforms, 51, 56

*Diomedea bulleri*, see Mollymawk, Buller's

*b. bulleri*, see Mollymawk, Southern Buller's

*b. platei*, see Mollymawk, Northern Buller's

*c. cauta*, see Mollymawk, White-capped or Shy

*c. eremita*, see Mollymawk, Chatham Island

*c. salvini*, see Mollymawk, Salvin's

*c. steadi*, see Mollymawk, New Zealand White-capped

*cauta* subsp., see Mollymawk, *cauta* subsp.

*chlororhynchos*, see Mollymawk, Yellow-nosed

*c. bassi*, see Mollymawk, Yellow-nosed

*c. chlororhynchos*, see Mollymawk, Yellow-nosed

*chrysostoma*, see Mollymawk, Grey-headed

*epomophora*, see Albatross, Royal

*e. epomophora*, see Albatross, Southern Royal

*e. sanfordi*, see Albatross, Northern Royal

*exulans*, see Albatross, Wandering

*immutabilis*, see Albatross, Laysan

*melanophrys*, see Mollymawk, Black-browed

*m. impavida*, see Mollymawk, New Zealand Black-browed

*m. melanophrys*, see Mollymawk, Black-browed

Dotterel, Auckland Island Banded, 222, 224

Banded, 27-28, 177-178, 180, 222, 224, 228, 256, Suppl., 117, 131,  
199, 202, 203, 204

Black-fronted, 28, 178, 256

Large Sand, 28, 178, 256

Mongolian, 29, 178, 257, Suppl., 131

New Zealand, 26-27, 177, 221-233, 255, 281

Northern New Zealand, 221-233

Southern New Zealand, 221-233

DOUGLAS, M.E., see IMBER, M.J.; CROCKETT, D.E.; GORDON, A.H.;  
BEST, H.A.; DOUGLAS, M.E.; COTTER, R.N.

Dove, Barbary, 41, 144, 267

Collared, 147

Galapagos, 146, 147

Henderson Fruit, 67

Henderson Ground, 61, 64, 65

Marquesas Ground, 64, 65

Polynesian Ground, 64

Shy Ground, 65

Spotted, 41, 267

spp., 146-147, 251

Turtle, 146, 147

DOWDING, J.E. Morphometrics and ecology of the New Zealand Dotterel  
(*Charadrius obscurus*), with a description of a new subspecies, 221-  
233

Dowitcher, Asiatic, 154

- Dromaiidae, 56  
Dromornithidae, 56  
Duck, Blue, 17, 174, 248-249, 293-295  
    Finsch's, 209  
    Grass Whistling, 173  
    Grey, 18, 126, 174, 249, 281, Suppl., 116, 129  
    Mallard, 17, 18, 126, 174, 249, 281, Suppl., 116, 129  
    Pacific Black, 149  
    sp., 126, 281  
*Ducula aurorae*, see Pigeon, Polynesian  
    *galeata*, see Pigeon, Nukuhiva  
    *pacifica*, see Pigeon, Pacific  
    sp. nov., see Pigeon, Henderson *Ducula*  
    spp., see Pigeon spp.  
Dunlin, 154  
Dunnock, see Sparrow, Hedge  
  
Egret, Cattle, 13-14, 126, 172, 189-204, 245-246, 251, 281, Suppl., 128  
    Intermediate, 245  
    Little, 12, 172, 244-245  
*Egretta alba modesta*, see Heron, White  
    *garzetta*, see Egret, Little  
    *intermedia*, see Egret, Intermediate  
    *sacra*, see Heron, Reef  
Elephant bird, 56  
*Emberiza cirrus*, see Bunting, Cirl  
    *citrinella*, see Yellowhammer  
*Emeus*, see Moa  
Emu, 56  
Errata, 219  
*Eudynamys taitensis*, see Cuckoo, Long-tailed  
*Eudyptes chrysocome filholi*, see Penguin, Eastern Rockhopper  
    *c. moseleyi*, see Penguin, Moseley's Rockhopper  
    *pachyrhynchus*, see Penguin, Fiordland Crested  
    *sclateri*, see Penguin, Erect-crested  
*Eudyptula m. minor*, see Penguin, Blue  
*Euryapteryx*, see Moa  
  
*Falco cenchroides*, see Kestrel, Nankeen  
    *novaeseelandiae*, see Falcon, New Zealand  
Falcon, New Zealand, 20, 175, 251  
Falconiforms, 218  
Fantail, Chatham Island, Suppl., 120, 136-137, 169, 178  
    Grey, 152  
    North Island, 46, 251, 272  
    Pied spp., Suppl., 2  
    South Island, 78, 186, 214

- FECHNEY, T. see MEENKEN, D.; FECHNEY, T.; INNES, J.  
 Fernbird, Chatham Island, Suppl., 2, 169, 172, 173, 177, 178  
     North Island, 45-46, 271  
     South Island, 186
- Finch, spp., 303
- Flycatcher, Satin, 151, 186
- FLUX, J.E.C. see GIBB, J.A.; FLUX, J.E.C.
- Fowl, Domestic, 21, 57, 281
- FREEMAN, A.N.D. Landbirds recorded at the Chatham Islands, 1940 to  
     December 1993, Suppl., 127-141
- Fregata ariel*, see Frigatebird, Lesser  
     *minor*, see Frigatebird, Greater
- Fregatta tropica*, see Storm Petrel, Black-bellied
- Frigatebird, Greater, 67  
     Lesser, Suppl., 105  
     spp., Suppl., 105, 106
- Fringilla coelebs*, see Chaffinch
- Fulica atra australis*, see Coot, Australian
- Fulmar, Antarctic, 6, 120, 278, Suppl., 101  
     Giglioli's, see Taiko, Chatham Island  
     spp., 177
- Fulmarus glacialisoides*, see Fulmar, Antarctic
- Galah, 41, 268
- Gallicolumba erythroptera*, see Dove, Polynesian Ground  
     *rubescens*, see Dove, Marquesas Ground  
     sp. nov., see Dove, Henderson Ground  
     *stairii*, see Dove, Shy Ground
- Gallinago gallinago*, see Snipe, Common  
     *hardwickii*, see Snipe, Japanese
- Gallirallus a. australis*, see Weka, Western  
     *greyi*, see Weka, North Island  
     *hectori*, see Weka, Buff  
     *dieffenbachii*, see *Rallus dieffenbachii*  
     *modestus*, see *Rallus modestus*
- Gallus gallus*, see Fowl, Domestic
- Gannet, Australasian, 8-9, 121, 122, 169-170, 214, 242, 279, 280, Suppl., 104,  
     115
- Garrodia nereis*, see *Oceanites nereis*  
     sp., see Storm Petrel sp.
- Gelochelidon nilotica*, see Tern, Gull-billed
- Gerygone albofrontata*, see Warbler, Chatham Island  
     *igata*, see Warbler, Grey
- GIBB, J.A.; FLUX, J.E.C. Rain bathing by pigeons, 146-147
- GILL, B.J. Natal down of the Silvereye, 147-148

- Godwit, Asiatic Black-tailed, 34, 181, 261  
Bar-tailed, see Godwit, Eastern Bar-tailed  
Black-tailed, 181  
Eastern Bar-tailed, 31, 126, 180, 181, 259, 261, Suppl., 117, 133  
Hudsonian, 35, 181, 261, 300  
spp., 300, 301
- Goldcrest, 79
- Goldfinch, 48, 126, 187, 251, 273, Suppl., 138
- Goose, Canada, 16-17, 126, 173-174, 175, 248, 281, Suppl., 129  
Cape Barren, 174  
Domestic, 126, 248, 281  
Extinct Hawaiian, spp., 55  
Extinct New Zealand, 51, 209
- GORDON, A.H., see IMBER, M.J.; CROCKETT, D.E.; GORDON, A.H.; BEST, H.A.; DOUGLAS, M.E.; COTTER, R.N.
- GRANT, A.D., see IMBER, M.J.; TAYLOR, G.A.; GRANT, A.D.; MUNN, A.
- GRANT, G.S.; TRAIL, P.W.; CLAPP, R.B. First specimens of Sooty Shearwater, Newell's Shearwater, and White-faced Storm Petrel from American Samoa, 215-217
- Grebe, Australasian Little, 4, 168, 237  
Crested, 167  
Great Crested, see Grebe, Crested
- Greenfinch, 48, 187, 273, Suppl., 138
- Greenshank, 35, 262, Suppl., 133
- Gruiformes, 51, 55, 56
- Gull, Black-backed, 7, 20, 36, 37, 49, 117, 121-128, 130, 182, 183, 206-208, 214, 241, 262, 263, 266, 279, 280, Suppl., 105, 118, 169, 177, 201  
Black-billed, 37-39, 117, 120, 123, 125, 129-131, 182, 264, 279, 280  
Laughing, 295-296  
Red-billed, 4, 15, 35-37, 39, 117, 121-125, 128-130, 182, 206, 208, 214, 251, 263-265, 279, 280, Suppl., 105, 118, 169, 171, 177, 178, 200, 205, 206  
Southern Black-backed, see Gull, Black-backed  
spp., 9, 39, 120, 274, 278
- Gygis alba*, see Tern, White
- Gymnorhina tibicen*, see Magpie, Australian
- HAASE, B. A Chatham Island Mollymawk off the Peruvian coast, 50
- Haematopus chathamensis*, see Oystercatcher, Chatham Island  
*ostralegus finschi*, see Oystercatcher, South Island Pied  
*unicolor*, see Oystercatcher, Variable
- Halcyon sancta vagans*, see Kingfisher, New Zealand
- Halobaena caerulea*, see Petrel, Blue
- HARDING, M.A. Blue Duck dispersal at Arthur's Pass, 293-295
- Harrier, Australasian, 20, 126, 168, 175, 250-251, 274, 281, Suppl., 116, 129, 169, 178
- Hawk, Extinct New Zealand, 209

- HAWKE, D.J. Seabird association with Hector's Dolphins and trawlers at Lyttleton Harbour mouth, 206-209
- Hemiphaga novaeseelandiae*, see Pigeon, New Zealand
- n. chathamensis*, see Pigeon, Chatham Island
- Heron, Reef, 12-13, 172, 245, Suppl., 128
- White, 12, 171, 219, 244, 245, 301, Suppl., 128
- White-faced, 11-12, 126, 171, 243-244, 281, 303, Suppl., 116, 128
- Himantopus h. leucocephalus*, see Stilt, Pied
- novaezealandiae*, see Stilt, Black
- sp., see Stilt, Hybrid
- Hirundo n. nigricans*, see Martin, Australian Tree
- sp., see Swallow sp.
- tahitica neoxena*, see Swallow, Welcome
- HOLDAWAY, R.N. The Sir Charles A. Fleming Memorial Issue, Suppl., i-ii
- HOLZER, C., see McLEAN, I.G.; HOLZER, C.; SAGAR, P.M.
- Hydrobatidae, 150
- Hylochelidon nigricans*, see *Hirundo nigricans*
- Hymenolaimus malacorhynchos*, see Duck, Blue
- Ibis, Glossy, 15, 172-173, 247, Suppl., 128
- spp., 55
- IMBER, M.J. Seabirds recorded at the Chatham Islands, 1960 to May 1993, Suppl., 97-108
- IMBER, M.J.; CROCKETT, D.E.; GORDON, A.H.; BEST, H.A.; DOUGLAS, M.E.; COTTER, R.N. Finding the burrows of Chatham Island Taiko *Pterodroma magentae* by radio telemetry, Suppl., 69-96
- IMBER, M.J.; TAYLOR, G.A.; GRANT, A.D.; MUNN, A. Chatham Island Taiko *Pterodroma magentae* management and research, 1987-1993: predator control, productivity, and breeding biology, Suppl., 61-68
- INNES, J., see MEENKEN, D.; FECHNEY, T.; INNES, J.
- Instructions to authors, 155-156
- Kagu, 51, 52, 54-56
- Kaka, Extinct Chatham, Suppl., 165, 168, 169, 172, 174, 177
- North Island, 41-42, 126, 268
- Small Extinct, 209
- South Island, 182
- Kakapo, 209, 219, Suppl., 70, 74, 75
- Kea, 184
- KENDRICK, J.L., Bellbirds breeding in Northland, 116
- KENNEDY, E.S., see NILSSON, R.J.; KENNEDY, E.S.; WEST, J.A.
- Kereru, see Pigeon, New Zealand
- Kestrel, Nankeen, 21, 251
- Kingfisher, New Zealand, 44, 49, 185, 270, 281, Suppl., 119
- spp., 151

- Kiwi, Brown, 2, 3, 83, 236  
     Great Spotted, 83, 167  
     Little Spotted, 3, 83, 84  
     spp., 1, 56, 82-84, 209, 250  
     Stewart Island Brown, 84, 137, 167  
 Knot, Great, 259  
     Lesser, 31, 179, 258-259, 300, Suppl., 132  
 Kokako, North Island, 41, 49, 109-115, 148, 274  
     South Island, 209  
 Kookaburra, 44, 270  
  
*Lalage tricolor*, see Triller, White-winged  
 Landbird, Extinct Chatham spp., Suppl., 165-178  
     spp., 61-70, Suppl., 110, 127-141  
*Larus atricilla*, see Gull, Laughing  
     *bulleri*, see Gull, Black-billed  
     *d. dominicanus*, see Gull, Black-backed  
     *novaehollandiae scopulinus*, see Gull, Red-billed  
     sp., see Gull sp.  
*Leucocarbo carunculatus*, see Shag, New Zealand King  
     *chalconotus*, see Shag, Stewart Island  
     *onslowi*, see Shag, Chatham Island  
*Limicola falcinellus sibiricus*, see Sandpiper, Broad-billed  
*Limosa haemastica*, see Godwit, Hudsonian  
     *lapponica baueri*, see Godwit, Eastern Bar-tailed  
     *limosa melanuroides*, see Godwit, Asiatic Black-tailed  
     sp., see Godwit sp.  
 LIVEZEY, B.C. The carpometacarpus of *Apterornis*, 51-60  
*Lopholaimus antarcticus*, see Pigeon, Topknot  
*Lophortyx californica*, see *Callipepla californica*  
 Lorikeet, Henderson, 67  
     Kuhl's, 67  
*Lugensa brevirostris*, see Petrel, Kerguelen  
  
*Macronectes giganteus*, see Petrel, Southern Giant  
     *halli*, see Petrel, Northern Giant  
     sp., see Petrel, Giant  
*Macropygia amboinensis*, see Pigeon, Brown  
 MADDOCK, M., see BRIDGMAN, H.A.; MADDOCK, M.  
 Magpie, Australian, 9, 20, 49, 126, 176, 187, 188, 274, 281  
 Mallard, see Duck, Mallard  
 Martin, Australian Tree, 44, 185  
 McCULLOCH, B. A likely association of the New Zealand Owlet-nightjar  
     (*Megaegotheles novaeseelandiae* Scarlett) with early humans in New  
     Zealand, 209-210  
 McLEAN, I.G.; RUSS, R.B. Birds and mammals of Solander (Hautere) Island,  
     213-215

- McLEAN, I.G.; HOLZER, C.; SAGAR, P.M. Niche overlap and foraging ecology of island *Petroica* species, Suppl., 39-48
- McLEAN, I.G., see STUDHOLME, B.J.S.; RUSS, R.B.; McLEAN, I.G.
- MEENKEN, D; FECHNEY, T.; INNES, J. Population size and breeding success of North Island Kokako in the Waipapa Ecological Area, Pureora Forest Park, 109-115
- Megadyptes antipodes*, see Penguin, Yellow-eyed
- Megaegotheles novaezealandiae*, see Owllet-nightjar, New Zealand
- Meleagris gallopavo*, see Turkey, Wild
- Melospiza melodia*, see Sparrow, Song
- Merganser, Extinct New Zealand, 149
- MILLENER, P.R., see TENNYSON, A.J.D.; MILLENER, P.R.
- Moa, 51, 56, 210
- Mohoua albicilla*, see Whitehead
- novaezeelandiae*, see Creeper, Brown
- MOLLOY, J., see SAGAR, P.M.; MOLLOY, J.; TENNYSON, A.J.D.; BUTLER, D.
- Mollymawk, Black-browed, 4, 89, 120, 237, 278, Suppl., 99
- Buller's, 4, 85-92, 120, 168, 213, 214, 238, 278
- cauta* subsp., 120, 278
- Chatham Island, 50, Suppl., 99, 106, 111, 164, 209, 212-214
- Grey-headed, 91, 120, 278, Suppl., 99
- New Zealand Black-browed, 91, 237
- New Zealand White-capped, 237, 279, 280, Suppl., 99
- Northern Buller's, Suppl., 99, 106, 111
- Salvin's, 4, 120, 168, 237, 238, 278, Suppl., 98, 99
- Southern Buller's, 85-92
- spp., 238
- White-capped, 4, 50, 85, 121, 122, 168, 237, 238, Suppl., 99
- Yellow-nosed, 4, 237, 275, 277, 278, Suppl., 99
- Morepork, 43-44, 126, 185, 270
- Morus serator*, see Gannet, Australasian
- MUNN, A., see IMBER, M.J.; TAYLOR, G.A.; GRANT, A.D.; MUNN, A.
- Muttonbird, Suppl., 50, 57, 58, 60, 173
- Myiagra cyanoleuca*, see Flycatcher, Satin
- Myna, Common, 49, 126, 274, 281
- Nelly, see Petrel, Giant
- Nesofregatta fuliginosa*, see Storm Petrel, Polynesian
- Nestor m. meridionalis*, see Kaka, South Island
- m. septentrionalis*, see Kaka, North Island
- notabilis*, see Kea
- NILSSON, R.J.; KENNEDY, E.S.; WEST, J.A. The birdlife of South East Island (Rangatira), Chatham Islands, New Zealand, Suppl., 109-125
- NILLSON, R.J., see WEST, J.A.; NILSSON, R.J.
- Ninox novaeseelandiae*, see Morepork
- NIXON, A.J. Feeding ecology of hybridizing parakeets on Mangere Island, Chatham Islands, Suppl., 5-18

- Noddy, Black, see Noddy, White-capped  
 Blue-grey, see Ternlet, Grey  
 Brown, see Noddy, Common  
 Common, 67, 117, 118, 120  
 White-capped, 67
- Notiomystis cincta*, see Stitchbird
- Notornis mantelli*, see *Porphyrio mantelli*
- Numenius madagascariensis*, see Curlew, Far-eastern  
*phaeopus*, see Whimbrel, sp.  
*p. hudsonicus*, see Whimbrel, American  
*p. variegatus*, see Whimbrel, Asiatic  
 sp., see Whimbrel, sp  
*tahitiensis*, see Curlew, Bristle-thighed
- OBITUARIES: Beth Brown (1924-1993) by R.B. Sibson, 153-154  
 Beth Brown (1924-1993) by Anthea Goodwin, 154  
 Richard Broadley Sibson (1911-1994), by Peter Bull, 298-300  
 Richard Broadley Sibson (1911-1994), by T.G. Lovegrove, 300-302  
 Brian A. Ellis (1928-1993), by Brian D. Bell, 303-304
- Oceanites nereis*, see Storm Petrel, Grey-backed  
*oceanicus*, see Storm Petrel, Wilson's  
 sp., see Storm Petrel, sp.
- Oceanitidae, 150
- Oceanodroma castro*, see Storm Petrel, Madeiran  
*l. leucorhoa*, see Storm Petrel, Leach's  
*tethys*, see Storm Petrel, Galapagos
- Ocyphaps lophotes*, see Pigeon, Australian Crested
- O'DONNELL, C.F.J. Distribution and habitats of Spotless Crakes in Canterbury, 211-213
- O'DONNELL, C.F.J.; WEST, J.A. Classified Summarised Notes, South Island, 1 July 1991 to 30 June 1992, 167-188
- Oestrelata axillaris*, see *Pterodroma axillaris*  
*magentae*, see *Pterodroma magentae*
- Ostrich, 56
- Otididae, 51
- Owl, Australian Barn, 44  
 Little, 185  
 spp., 151, 218
- Owlet-nightjar, Extinct New Zealand, 209-210
- Oystercatcher, Chatham Island, Suppl., ii, 111, 116-117, 130-131, 169, 178, 200  
 South Island Pied, 23, 126, 176, 253, 281, Suppl., 130  
 sp., 15  
 Variable, 23-25, 126, 176-177, 214, 250, 253-254, 281
- Pachyornis*, see Moa

- Pachyptila belcheri*, see Prion, Thin-billed  
*crassirostris*, see Prion, Fulmar  
*c. pyramidalis*, see Prion, Chatham Fulmar  
*desolata*, see Prion, Antarctic  
*d. banksii*, see Prion, Antarctic  
*salvini*, see Prion, Salvin's  
 spp., see Prion, spp.  
*turtur*, see Prion, Fairy  
*vittata*, see Prion, Broad-billed
- Palaeognathiformes, 55
- Parakeet, Chatham Island Red-crowned, Suppl., 5-18, 111, 119, 34, 169, 173, 177, 178  
 Forbes', Suppl., 1, 2, 5-18, 123, 134, 169, 177, 178  
 Hybrid Chatham Island Red-crowned/Forbes', Suppl., 5-18, 119, 134  
 Red-crowned, 42, 43, 213, 214, 219, 269, Suppl., 5, 15, 17  
 spp., 43, 184, 269, Suppl., i, ii, 172  
 Yellow-crowned, 43, 184, 213, 214, 269, Suppl., 5
- PARRISH, G.R., see TAYLOR, G.A.; PARRISH, G.R. (Two papers)
- Parrot, spp., 55
- Partridge, Red-legged, 21, 176, 251, 271
- Passer domesticus*, see Sparrow, House
- Passeriformes, 55, Suppl., 39-48
- Passerine, spp., 20, 126, 281, Suppl., i
- Pavo cristatus*, see Peafowl
- Peafowl, 252
- Pelagodroma marina*, see Storm Petrel, White-faced
- Pelecaniformes, 55, Suppl., 104-105
- Pelecanoides urinatrix*, see Petrel, Diving
- Penguin, Blue, 8, 121, 122, 157-166, 169, 229, 242, 279, 280, Suppl., 2, 30, 33, 36, 60, 93, 103-104, 115, 118, 165, 169, 170, 173, 174, 178  
 Crested spp., Suppl., 170  
 Eastern Rockhopper, Suppl., 38, 104  
 Erect-crested, 8, 169, Suppl., 104, 115, 168  
 Extinct Chatham Crested sp., Suppl., 168-172, 174, 177, 178  
 Fiordland Crested, 8, 120, 133-143, 169, 213, 242, 278, Suppl., 168  
 Moseley's Rockhopper, Suppl., 38, 104, 106, 115  
 Rockhopper, Suppl., 38, 106  
 Snares Crested, 169, Suppl., 104  
 spp., 55, 218, 278  
 Yellow-eyed, 121, 122, 163, 169, Suppl., 103, 115
- Petrel, Antarctic, 6, 120, 169, Suppl., 101  
 Atlantic, Suppl., 56  
 Black, 6, 121, 122, 239, 278  
 Black-winged, 7, 61, 66, 69, 120, 241, 278, Suppl., 19, 20, 22, 24, 30, 34, 102, 113, 168, 173  
 Blue, 7, 120, 278, Suppl., 102  
 Bonin, Suppl., 19  
 Bulwer's, 61, 68

- Burrowing spp., Suppl., ii, 21  
 Chatham, 145-146, Suppl., i, ii, 19-28, 30, 32, 34, 36, 49, 97, 98, 102, 106, 109, 111-113, 123, 168, 169, 171-174, 177, 178  
 Common Diving, see Petrel, Diving  
 Cookilaria spp., 66, Suppl., 2  
 Cook's, 7, 121, 122, 169, 209, 241, 278, Suppl., 19, 58, 94  
 Dark-rumped, 145  
 Diving, 6, 121, 122, 145, 214, 239, 279, 280, Suppl., 27, 28, 30, 32, 33, 35, 91, 100, 112, 114, 168-171, 173-175, 177, 178  
 Extinct Chatham sp., Suppl., 165, 168, 169, 172, 174, 177, 178  
 Giant, 7, 169, 214, 240, Suppl., 99, 169  
 Giant spp., 121, 122, 279, 280  
 Gould's, 281  
 Grey, Suppl., 100  
 Grey-faced, 8, 121, 122, 239, 241, 279, 280, Suppl., 36, 49, 56, 66, 69-74, 93, 102  
 Herald, 66  
 Juan Fernandez, see Petrel, Stejneger's  
 Kerguelen, 6, 120, 150, 240, 278, Suppl., 101  
 Kermadec, 66, Suppl., 49, 102, 106, 114  
 Magenta, see Taiko, Chatham Island  
 Mottled, 121, 122, 169, 209, 279, 280, Suppl., 49, 102, 168  
 Murphy's, 66  
 New Caledonian, 275, 278, 281  
 Northern Giant, 7, 169, 240, Suppl., 101, 105, 112  
 Phoenix, 66  
*Procellaria* spp., 120, 278, Suppl., 22, 98  
 Providence, 150  
*Pterodroma* spp., 120, 278, Suppl., 50, 98, 165, 168, 169, 172, 174, 177, 178  
 Pycroft's, 7, 240-241  
 Soft-plumaged, Suppl., 56, 95, 103  
 Southern Diving, see Petrel, Diving  
 Southern Giant, 6, 240, Suppl., 101, 112  
 spp., Suppl., 98, 116-118, 122, 160, 161  
 Stejneger's, Suppl., 30, 36, 102, 114  
 Tahiti, 150  
 Westland, 6, 168, 240, 278, Suppl., 100-101  
 White-chinned, 120, 278, Suppl., 100-101  
 White-headed, 8, 121, 122, 279, 280, Suppl., 56, 67, 68, 103  
*Petroica a. australis*, see Robin, South Island  
*a. longipes*, see Robin, North Island  
*macrocephala chathamensis*, see Tomtit, Chatham Island  
*m. dannefaerdi*, see Tomtit, Snares Island  
*m. macrocephala*, see Tomtit, Yellow-breasted  
*m. toitoi*, see Tomtit, Pied  
 spp., Suppl., ii, 2, 39-48  
*traversi*, see Robin, Black

- Petroicidae, Suppl., 39-48  
*Phaethon rubricauda*, see Tropicbird, Red-tailed  
Phalacrocoracidae, 93-108  
*Phalacrocorax aristotelis*, see Shag or Cormorant  
    *atriceps*, see Shag, Imperial  
    *auritus*, see Cormorant Double-crested  
    *carbo*, see Shag, Black  
    *melanogenis*, see Shag, Crozet  
    *melanoleucos brevirostris*, see Shag, Little  
    *punctatus*, see *Stictocarbo punctatus*  
    *purpurascens*, see Shag, Macquarie Island  
    spp., see Shag spp.  
    *sulcirostris*, see Shag, Little Black  
    *varius*, see Shag, Pied
- Phalarope, Grey, 154, 262  
*Phalaropus fulicarius*, see Phalarope, Grey  
*Phasianus colchicus*, see Pheasant, Ring-necked  
Pheasant, Ring-necked, 21, 126, 176, 252  
*Philesturnus carunculatus rufusater*, see Saddleback, North Island  
*Philomachus pugnax*, see Ruff  
*Phoebetria palpebrata*, see Albatross, Light-mantled Sooty  
Phorusrhacoidea, 55  
PIERCE, R.J. A relict population of Rifleman in Northland, 234  
PIERCE, R.J. Survey of North Island Robins on Moturua Island, Bay of Islands,  
    291-292
- Pigeon, Australian Crested, 146  
    Brown, 146  
    Cape, 6, 121, 122, 168, 240, 279, 280, Suppl., 101, 112, 173, 177  
    Chatham Island, Suppl., ii, 118-119, 123, 133-134, 169, 177, 178  
    Feral, see Pigeon, Rock  
    Henderson Archaic, 61, 64  
    Henderson Ducula, 61  
    New Zealand, 40-41, 49, 126, 146-147, 154, 184, 209, 267, 281  
    Nicobar, 64  
    Nukuhiva, 64  
    Pacific, 64  
    Polynesian, 64  
    Rock, 41, 126, 144-145, 147, 184, 251, 267, 281  
    Snares Cape, Suppl., 112  
    spp., 146-147  
    Topknot, 152  
    Wompoo, 152  
    Wood, 144, 147
- Pintail, Kerguelen, 149  
Piopio, South Island, 209  
*Pipilo alberti*, see Towhee, Albert's

- Pipit, Chatham Island, Suppl., 119, 135, 169, 178  
 New Zealand, 44, 186, 209, 270-271  
 Richard's, 151
- Platalea regia*, see Spoonbill, Royal
- Platycercus eximius*, see Rosella, Eastern
- Plegadis falcinellus*, see Ibis, Glossy
- Plotopterid, 55
- Plover, *Charadrius* spp., 228  
 Grey, 30, 178, 257, Suppl., 132  
 Kentish, 297  
 Least Golden, see Plover, Pacific Golden  
 Little Ringed, 187  
 Mountain, Suppl., 202, 204  
 New Zealand Shore, see Plover, Shore  
 Pacific Golden, 29, 32, 68, 178, 257, Suppl., 131  
 Piping, Suppl., 201, 203  
 Ringed, Suppl., 187  
 Shore, Suppl., i, ii, 1-3, 109, 111, 116, 117, 122, 131, 169, 173, 178, 179-194, 195-208  
 Spur-winged, 30, 38, 126, 179, 250, 257-258, 281, Suppl., 117, 132  
 White-fronted, Suppl., 201, 203
- Pluvialis fulva*, see Plover, Pacific Golden  
*squatarola*, see Plover, Grey
- Podiceps cristatus australis*, see Grebe, Crested
- Podicipediformes, 55
- Poliiocephalus rufpectus*, see Dabchick, New Zealand
- Poliolimnas cinereus*, see Crake, White-browed
- Porphyrio mantelli hochstetteri*, see Takahe  
*porphyrio melanotus*, see Pukeko
- Porzana atra*, see Crake, Henderson  
*pusilla affinis*, see Crake, Marsh  
*tabuensis plumbea*, see Crake, Spotless
- POWLESLAND, M.H., see POWLESLAND, R.G.; POWLESLAND, M.H. (2 papers)
- POWLESLAND, R.G.; POWLESLAND, M.H. Seabirds found dead on New Zealand beaches in 1992, and a review of *Larus* species recoveries, 1943-1992, 117-132
- POWLESLAND, R.G.; POWLESLAND, M.H. Seabirds found dead on New Zealand beaches in 1993, with a review of *Sterna albobristata*, *S. caspia* and *S. striata* recoveries, 1943-1992, 275-286
- Prion, Antarctic, 121, 122, 279, 280, Suppl., 101  
 Broad-billed, 121, 122, 169, 279, 280, Suppl., 3, 22-25, 27, 28, 30, 32, 33, 35, 36, 91, 93, 101-102, 103, 112-115, 119, 158, 165, 169, 173, 175, 177  
 Chatham Fulmar, Suppl., 1, 101, 106  
 Fairy, 7, 121, 122, 169, 240, 279, 280, Suppl., 101, 112, 169, 170, 173-175, 177  
 Salvin's, 121, 122, 240, 279, 280, Suppl., 175

- spp., 7, 121, 122, 240, 279, 280, Suppl., 2, 84, 178  
Thin-billed, 121, 122, 279, 280
- Procellaria aequinoctialis*, see Petrel, White-chinned  
*cinerea*, see Petrel, Grey  
*parkinsoni*, see Petrel, Black  
spp., see Petrel, *Procellaria* spp.  
*westlandica*, see Petrel, Westland
- Procellariiformes, 145, 150-151, Suppl., 19-26, 27-37, 49-60, 61-68, 69-96, 99-103
- Procelsterna cerulea albivitta*, see Ternlet, Grey
- Prosobonia cancellata*, see Sandpiper, Tuamotu  
sp. nov., see Sandpiper, Henderson Island
- Prothemadera novaeseelandiae*, see Tui  
*n. chathamensis*, see Tui, Chatham Island
- Prunella modularis*, see Sparrow, Hedge
- Pseudobulweria rostrata*, see Petrel, Tahiti
- Psittaciformes, 55
- Ptaiochen*, see Goose, Extinct Hawaiian
- Pterodroma axillaris*, see Petrel, Chatham Island  
*cookii*, see Petrel, Cook's  
*externa*, see Petrel, Juan Fernandez  
*hypoleuca*, see Petrel, Bonin  
*incerta*, see Petrel, Atlantic  
*inexpectata*, see Petrel, Mottled  
*lessonii*, see Petrel, White-headed  
*leucoptera caledonica*, see Petrel, New Caledonian  
*l. leucoptera*, see Petrel, Gould's  
*longirostris*, see Petrel, Stejneger's  
*macroptera gouldi*, see Petrel, Grey-faced  
*magentae*, see Taiko, Chatham Island  
*mollis*, see Petrel, Soft-plumaged  
*neglecta*, see Petrel, Kermadec  
*nigripennis*, see Petrel, Black-winged  
*phaeopygia*, see Petrel, Dark-rumped  
*pycrofti*, see Petrel, Pycroft's  
*solandri*, see Petrel, Providence  
spp., see Petrel spp.  
*ultima*, see Petrel, Murphy's
- Ptilinopus insularis*, see Dove, Henderson Fruit  
*magnificus*, see Pigeon, Wompoo
- Puffinus assimilis*, see Shearwater, Little  
*auricularis newelli*, see Shearwater, Newell's  
*bulleri*, see Shearwater, Buller's  
*carneipes*, see Shearwater, Flesh-footed  
*gavia*, see Shearwater, Fluttering  
*gavialhuttoni*, see Shearwater, Fluttering/Hutton's  
*griseus*, see Shearwater, Sooty  
*huttoni*, see Shearwater, Hutton's

*therminieri*, see Shearwater, Audubon's

*nativitatis*, see Shearwater, Christmas

*pacificus*, see Shearwater, Wedge-tailed

*puffinus*, see Shearwater, Manx

spp., see Shearwater, spp.

*tenuirostris*, see Shearwater, Short-tailed

Pukeko, 11, 20, 22, 126, 176, 252-253, 281, Suppl., 130

*Pycnonotus cafer*, see Bulbul, Red-vented

*Pyramida hodgeni*, see Rail, Hodgen's

Quail, Brown, 21, 252

California, 21, 175, 251, 281, Suppl., 129

Rail, Banded, 21-22, 250, 252

Chatham Island, Suppl., 123, 169, 172, 173, 177

Chatham spp., Suppl., 2

Dieffenbach's, Suppl., 123, 165, 169, 172, 174, 177

Hodgen's, 209

Inaccessible Island, 55

Lewin's, 152

Rallidae, 51, 55

*Rallus modestus*, see Rail, Chatham Island

*pectoralis*, see Rail, Lewin's

*philippensis*, see Rail, Banded

*p. dieffenbachii*, see Rail, Dieffenbach's

Raphid, spp., 55

Ratite, 55

Redpoll, 48, 187, 273-274, Suppl., 121, 138-139

*Regulus regulus*, see Goldcrest

REVIEWS: Potter, M. The incredible Kiwi (Neville Peat), 82

Kiwis, A monograph of the family Apterygidae (Errol Fuller Ed.), 82-83

Kiwi - A Secret Life (Jim Jolly), 83-84

Handbook of Australian, New Zealand and Antarctic Birds. Vol 1, Ratites to Ducks (S. Marchant, P.J. Higgins, Eds.), 84

Williams, M.J. Handbook of Australian, New Zealand and Antarctic Birds. Vol 1, Ratites to Ducks (S. Marchant, P.J. Higgins, Eds.), Waterfowl, 149-150

Warham, J. Handbook of Australian, New Zealand and Antarctic Birds. Vol 1, Ratites to Ducks (S. Marchant, P.J. Higgins, Eds.), Procellariiformes, 150-151

McPherson, L.B. A Field Guide to Australian Bird Song: Cassettes

6, 7 & 8. (Bird Observers Club of Australia), 151-152

McLean, I.G. Current Ornithology, vol 10 (D.M. Power, Ed.), 217-218

Veitch, C.R. The Birds of CITES and How to Identify Them (J. Erritzoe), 218-219

Reigan, A. Disturbance to waterfowl on estuaries (N. Davidson, P. Rothwell, Eds.), 297

Rhea, 56

Rheidae, 56

*Rhipidura*, see Fantail

*fuliginosa*, see Fantail, New Zealand, see also Fantail, Grey

*f. fuliginosa*, see Fantail, South Island

*f. penita*, see Fantail, Chatham Island

*f. placabilis*, see Fantail, North Island

Rhynochetidae, 51

*Rhynochetos jubatus*, see Kagu

Rifleman, North Island, 44, 234, 270

South Island, 71-81, 185

Robin, Australian spp., 151

Black, Suppl., i, 1-3, 39-48, 111, 120-123, 127, 137, 169, 172-174, 177

Chatham Island, see Robin, Black

New Zealand spp., Suppl., 39-48

North Island, 46, 272, 291-292

South Island, 78, 186, Suppl., 39-48

Rook, 49, 187-188, 274, Suppl., 139

Rosella, Eastern, 42, 184, 268, 281

Ruff, 180

RUSS, R.B., see STUDHOLME, B.J.S.; RUSS, R.B.; McLEAN, I.G.

RUSS, R.B., see McLEAN, I.G.; RUSS, R.B.

Saddleback, North Island, 49, 274

South Island, 209

SAGAR, P.M.; MOLLOY, J.; TENNYSON, A.J.D.; BUTLER, D. Numbers of

Buller's Mollymawks breeding at the Snares Islands, 85-92

SAGAR, P.M., see McLEAN, I.G.; HOLZER, C.; SAGAR, P.M.

Sanderling, 32, 179, Suppl., 132

Sandpiper, Broad-billed, 33, 260

Common, 35, 262

Curlew, 32, 179, 259

Eastern Broad-billed, see Sandpiper, Broad-billed

Henderson, 61, 64

Marsh, 35, 181, 262, Suppl., 133

Pectoral, 32, 180, 259, Suppl., 133

Sharp-tailed, 32, 180, 259, Suppl., 133

spp., 301

Terek, 35, 181, 262

Scaup, New Zealand, 19, 175, 250

SCHUCKARD, R. New Zealand Shag (*Leucocarbo carunculatus*) on Duffers

Reef, Marlborough Sounds, 93-108

Seabird spp., 4-11, 50, 61, 64-67, 68, 69, 85-92, 93-108, 117-132, 168-171,

182-183, 206-209, 213-216, 275, 286, Suppl., 27-37, 38, 42, 49-

60, 61-68, 69-96, 97-108, 109, 110, 143-178

- Shag, Black, 9-11, 121, 122, 170, 242, 279, 280, Suppl., 104  
 Chatham, Suppl., ii, 104-106, 115, 126  
 Crozet, 107  
 Imperial, 106  
 King, see Shag, New Zealand King  
 Little, 11, 117, 118, 121, 122, 126, 170-171, 243, 278  
 Little Black, 10-11, 120, 170, 243, 278  
 Macquarie Island, 107  
 New Zealand, see Shag, New Zealand King  
 New Zealand King, 93-108, 120, 219  
 Pied, 10, 107, 121, 122, 138, 170, 242, 243, 279, 280  
 Pitt Island, Suppl., ii, 104, 106, 115-116, 169, 178  
 Spotted, 11, 107, 121, 122, 171, 206-208, 243, 279, 280  
 spp., 120, 278  
 Stewart Island, 171, 278
- Shearwater, Audubon's, 61, 66, 69  
 Buller's, 4, 5, 121, 122, 168, 238, 279, 280, Suppl., 99-100  
 Christmas Island, 64, 66, 69, 287-291  
 Flesh-footed, 4-5, 9, 121, 122, 168, 238, 279, 280, Suppl., 99  
 Fluttering, 4, 5, 121, 122, 168, 209, 238, 239, 279, 280, Suppl., 100  
 Fluttering/Hutton's, 6, 120, 278  
 Hutton's, 6, 121, 122, 168, 239, 279, 280  
 Little, 6, 61, 66, 69, 121, 122, 239, 279, 280, Suppl., 2, 100  
 Manx, 145  
 Newell's, 215-216  
 Short-tailed, 5, 121, 122, 145, 238, 279, 280, 288, Suppl., 100  
 Sooty, 5, 121, 122, 168, 215-216, 238, 279, 280, Suppl., 27, 30-33,  
 35, 44, 69, 79, 91, 93, 100, 101, 111, 112, 116, 158, 165, 169, 173  
 spp., 9, 120, 137, 279, 280  
 Unidentified Chatham sp., Suppl., 31, 112  
 Wedge-tailed, 68, 120, 278, 287-289
- Shelduck, Chestnut-breasted, 174, 248  
 Extinct Chatham sp., Suppl., 165, 168, 169, 172, 174, 177  
 Paradise, 17, 126, 174, 248, 281, Suppl., 116, 129
- SHERLEY, G. Cooperative parental care: Contribution of male Rifleman  
 (*Acanthisitta chloris*) to the breeding effort, 71-81
- Shorebird spp., 153-154, 221-233, 253-266, 297, Suppl., 110, 179-208
- Shoveler, New Zealand, 19, 126, 174-175, 250  
 Northern, 250
- Silvereye, 47, 147-148, 186, 214, 272, Suppl., 121, 137, 169, 178
- Skua, Arctic, 4, 35-36, 182, 262-263, Suppl., 105, 118  
 Brown, 35, 36, 120, 182, 214, 262, 278, Suppl., i, ii, 24, 70, 93, 98, 101,  
 102, 105, 113, 114, 116-118, 122, 143-163, 169, 171, 172, 178, 200, 201,  
 206  
 Great, Suppl., 159, 161  
 Long-tailed, 278  
 Pomarine, 36, 182, 263, Suppl., 105, 118  
 South Polar, Suppl., 105, 159, 161

- spp., 36, 182, 263
- Skylark, 185, 270, Suppl., 119, 134-135
- Snipe, Chatham Island, Suppl., 2, 111, 117, 122, 132, 169, 177, 178  
Common, Suppl., 207  
Extinct Chatham sp., Suppl., 169, 172, 174, 177, 178  
Japanese, 258  
New Zealand, Suppl., 207
- Sparrow, Hedge, 45, 186, 214, 271, Suppl., 119, 135  
House, 20, 21, 48, 144-145, 187, 251, 273, 274, Suppl., 122, 139  
Song, 78
- Sphenisciformes, 55, Suppl., 103-104
- Spoonbill, Royal, 15, 173, 247, 281, 301
- Starling, 49, 126, 144, 187, 214, 274, 281, Suppl., 122, 139
- Stercorarius longicaudus*, see Skua, Long-tailed  
*parasiticus*, see Skua, Arctic  
*pomarinus*, see Skua, Pomarine
- Sterna albifrons sinensis*, see Tern, Eastern Little  
*albostrata*, see Tern, Black-fronted  
*bergii*, see Tern, Crested  
*caspia*, see Tern, Caspian  
*fuscata*, see Tern, Sooty  
*hirundo longipennis*, see Tern, Eastern Common  
*neris davisae*, see Tern, New Zealand Fairy  
*paradisaea*, see Tern, Arctic  
spp., see Tern spp.  
*striata*, see Tern, White-fronted
- Stictocarbo featherstoni*, see Shag, Pitt Island  
*punctatus*, see Shag, Spotted
- Stilt, Australasian Pied, see Stilt, Pied  
Black, 26, 177, 254-255  
Hybrid, 26  
Pied, 25-26, 35, 153, 177, 182, 254, Suppl., 131
- Stint, Red-necked, 32-33, 180, 260, Suppl., 133
- Stitchbird, 47
- Storm Petrel, Black-bellied, 120, Suppl., 103  
Grey-backed, 169, 241, 275, 277, 278, 281, Suppl., 27, 30, 34, 98,  
103, 114, 169, 170, 172, 174, 177  
Galapagos, Suppl., 35  
Leach's, Suppl., 35, 102  
Madeiran, Suppl., 35  
Polynesian, 66  
sp., 150  
White-faced, 8, 121, 122, 215-216, 241, 279, 280, Suppl., 22, 27, 30,  
32-34, 36, 103, 112, 114-115, 158, 169, 170, 172, 178  
Wilson's, 241, Suppl., 35, 103

- Streptopelia chinensis*, see Dove, Spotted  
*decaocto*, see Dove, Collared  
*galapagensis*, see Dove, Galapagos  
*roseogrisea*, see Dove, Barbary  
 spp., see Dove spp.  
*turtur*, see Dove, Turtle
- Strigiformes, 218
- Strigops habroptilus*, see Kakapo
- Struthionidae, 56
- STUDHOLME, B.J.S.; RUSS, R.B.; McLEAN, I.G. The Fiordland Crested Penguin Survey: Stage IV, Stewart and Offshore Islands and Solander Island, 133-143
- Sturnus vulgaris*, see Starling
- Sula dactylatra*, see Booby, Masked  
*leucogaster*, see Booby, Brown  
*sula*, see Booby, Red-footed
- Swallow, sp., 61, 66, 69  
 Welcome, 44, 48, 151, 185, 251, 270, Suppl., 119, 120, 135
- Swan, Black, 16, 126, 149, 173, 247-248, 281, Suppl., 116, 128  
 Mute, 16, 173, 247
- Swift, Fork-tailed, Suppl., 119
- Synoicus ypsilophorus*, see Quail, Brown
- Tachybaptus novaehollandiae*, see Grebe, Australian Little
- Tadorna sp.*, see Shelduck sp.  
*tadornoides*, see Shelduck, Chestnut-breasted  
*variegata*, see Shelduck, Paradise
- Taiko, Chatham Island, Suppl., i, 2, 19, 20, 49-60, 61-68, 69-96, 97, 98, 102, 106, 168
- Takahe, 22, 51
- Tattler, Siberian, 35, 181, 261, Suppl., 133  
 sp., 35, 181, 262, Suppl., 133  
 Wandering, 68, Suppl., 117, 133
- TAYLOR, G.A. Recapture of 2-year-old Chatham Petrel at natal colony, 145-146
- TAYLOR, G.A.; PARRISH, G.R. Classified Summarised Notes, North Island 1 July 1991 to 30 June 1992, 1-49
- TAYLOR, G.A.; PARRISH, G.R. Classified Summarised Notes, North Island 1 July 1992 to 30 June 1993, 235-274
- TAYLOR, G.A.; TENNYSON, A.J.D. Christmas Island Shearwater *Puffinus nativitatis* on Curtis Island, 287-291
- TAYLOR, G.A., see IMBER, M.J.; TAYLOR, G.A.; GRANT, A.D.; MUNN, A.
- Teal, Brown, 18, 149, 219, 250  
 Chestnut, 18, 249  
 Grey, 18, 126, 149, 174, 249, Suppl., 129  
 Sub-Antarctic Brown spp., 149
- TENNYSON, A.J.D. An Eastern Rockhopper Penguin (*Eudyptes chrysocome filholi*) at the Chatham Islands, Suppl., 38

- TENNYSON, A.J.D.; MILLENER, P.R. Bird extinctions and fossil bones from Mangere Island, Chatham Islands, Suppl., 165-178
- TENNYSON, A.J.D., see SAGAR, P.M.; MOLLOY, J.; TENNYSON, A.J.D.; BUTLER, D.
- TENNYSON, A.J.D., see TAYLOR, G.A.; TENNYSON, A.J.D.
- Tern, Arctic, 40, Suppl., 105, 106
- Black-fronted, 36, 38, 183, 264, 275, 278, 281-282
  - Caspian, 38-39, 120, 183, 262-266, 275, 278, 282-283, Suppl., 105
  - Crested, 40, 266
  - Eastern Common, 40
  - Eastern Little, 40, 266
  - Fairy, see Tern, White
  - Gull-billed, 38, 264
  - Little, see Tern, Eastern Little
  - New Zealand Fairy, 39-40, 266
  - Sooty, 61, 68, 118
  - spp., 9, 39, 120, 274
  - White, 67, 118
  - White-fronted, 4, 35-39, 121, 122, 182, 183, 206, 214, 262-266, 275, 279, 280, 282-284, Suppl., 105, 118, 169, 178, 200
  - White-winged Black, 182-183, 264
- Ternlet, Grey, 40, 67, 266
- Thalassoica antarctica*, see Petrel, Antarctic
- Thambetochen*, see Goose, Extinct Hawaiian
- Thinornis novaeseelandiae*, see Plover, New Zealand Shore
- Thrush, Song, 45, 126, 151, 186, 214, 271, 281, Suppl., 120, 136
- South Island, see Piopio, South Island
- Tit, see Tomtit
- Tomtit, Black, see Tomtit, Snares
- Chatham Island, Suppl., 3, 39-48, 111, 119-121, 137, 169, 170, 174, 178
  - North Island, 46, 272
  - Snares, 39-48
  - Yellow-breasted, 186, 214
- Towhee, Albert's, 79
- TRAIL, P.W., see GRANT, G.S.; TRAIL, P.W.; CLAPP, R.B.
- Triller, White-winged, 151
- Tringa brevipes*, see Tattler, Siberian
- flavipes*, see Yellowlegs, Lesser
  - hypoleucos*, see Sandpiper, Common
  - incana*, see Tattler, Wandering
  - nebularia*, see Greenshank
  - stagnatilis*, see Sandpiper, Marsh
  - terek*, see Sandpiper, Terek
- Tropicbird, Red-tailed, 67
- Tui, 47-48, 126, 185, 187, 209, 251, 273
- Chatham Island, Suppl., 111, 121, 122, 137-138, 169, 170, 178

- Turdus merula*, see Blackbird  
     *philomelos*, see Thrush, Song  
 Turkey, Wild, 21, 126, 281  
*Turnagra capensis*, see Piopio  
 Turnstone, 30-31, 179, 258, Suppl., 117, 132, 181  
*Tyto alba delicatula*, see Owl, Australian Barn
- Vanellus miles novaehollandiae*, see Plover, Spur-winged  
*Vini kuhlii*, see Lorikeet, Kuhl's  
     *stepheni*, see Lorikeet, Stephen's
- Wader, 23-35, 154, 299, Suppl., 179-208  
 Warbler, Chatham Island, Suppl., 3, 119-121, 136, 169, 178  
     Grey, 43, 46, 78, 148, 186, 214, 250, 272, Suppl., 120  
     Henderson Reed, 67  
 Waterbird, spp., 218  
 Waterfowl spp., 55, 149-150, 297  
 Wattlebird, 39  
 WEISLER, M.I., see WRAGG, G.M.; WEISLER, M.I.  
 Weka, Buff, Suppl., 58, 60, 61, 63, 65, 130  
     Little Extinct, 209  
     North Island, 22, 252  
     South Island, 209, 214  
     Stewart Island, Suppl., 94  
     Western, 126, 142, 176  
 WEST, J.A. Chatham Petrel (*Pterodroma axillaris*) - An Overview, Suppl.,  
     19-26  
 WEST, J.A.; NILLSON, R.J. Habitat use and burrow densities of burrow-nesting  
     seabirds on South East Island, Chatham Islands, New Zealand,  
     27-37  
 WEST, J.A., see O'DONNELL, C.F.J.; WEST, J.A.  
 WEST, J.A., see NILLSON, R.J.; KENNEDY, E.S.; WEST, J.A.  
 Whimbrel, American, 33, 180, 260  
     Asiatic, 33, 180, 260, Suppl., 133  
     sp., 33, 180, 261  
 Whistler, Australian, spp., 151  
 Whitehead, 46, 148, 271  
 WRAGG, G.M. A vagrant Laughing Gull (*Larus atricilla*) from Pitcairn Island:  
     a new record for southern and eastern Polynesia, 295-296  
 WRAGG, G.M.; WEISLER, M.I. Extinctions and new records of birds from  
     Henderson Island, Pitcairn Group, South Pacific Ocean, 61-70  
 Wren, Acanthisittid spp., 55  
     Rock, 78, 185  
 Wrybill, 29, 178, 257, 301, Suppl., 181, 187, 199, 201, 203, 204
- Xenicus gilviventris*, see Wren, Rock
- Yellowhammer, 48, 187, 251, 273, Suppl., 121, 138

Yellowlegs, Lesser, 154, Suppl., 133

YOUNG, E.C. Is cooperative breeding in Brown Skua (*Catharacta skua lonnbergi*) on the Chatham Islands habitat-forced? Suppl., 143-163

*Zenaida* spp., see Pigeon spp.

*Zosterops lateralis*, see Silvereye

Compiled by TIM LOVEGROVE, 47 Pupuke Road, Birkenhead,  
Auckland, 10