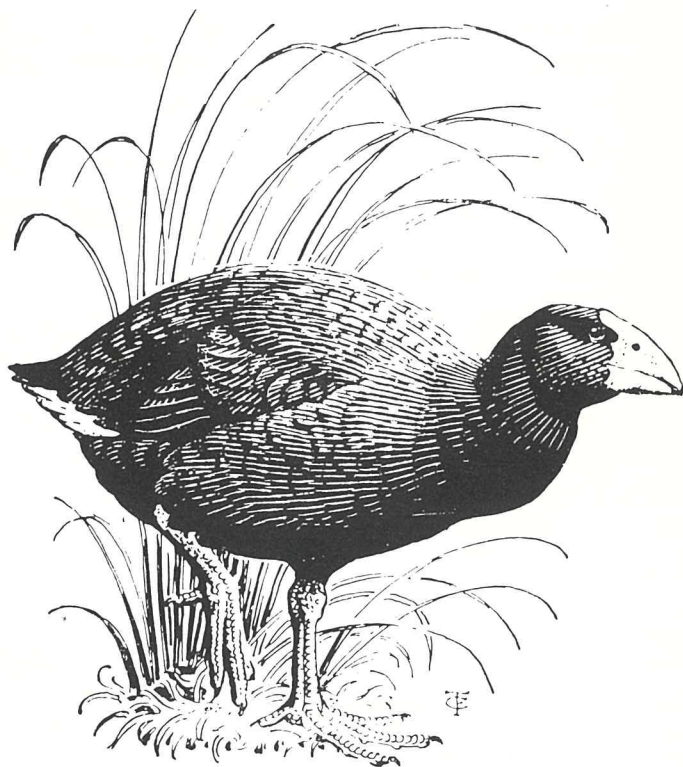


NOTORNIS

Journal of the Ornithological Society
of New Zealand



Volume 40 - 1993

ISSN 0029-4470

OFFICERS 1992-93

President – BRIAN BELL, P.O. Box 12397 Wellington
Vice-President – DAVID CROCKETT, 21 McMillan Ave., Kamo,
Whangarei
Editor – BARRIE HEATHER, 10 Jocelyn Crescent, Silverstream
Treasurer – MARK NEE, P.O. Box 12397, Wellington
Secretary – RAEWYN EMPSON, 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 4

Conveners and Organisers

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

Beach Patrol: R. G. POWLESLAND, P.O. Box 12397, Wellington
Librarian: K. R. BARROW, c/o Auckland Institute & Museum, Private
Bag, Auckland.

Nest Records: H. A. ROBERTSON, 30 Deller Grove, Silverstream
Banding Liaison Officer: J. HAWKINS, Black Horse Quarry, RD1, Nelson
Reviews Editors: GABOR LOVEI & JOHN COCKREM, c/o Flock House,
Private Bag 1900, 5452 Bulls.

Bird Slide Librarian: T.C. Dennison, 129 Renall St, Masterton
CSN North Island: GRAEME TAYLOR, Dept of Conservation,
P.O. Box 10420, Wellington.

CSN South Island: C. F. J. 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*: P. SAGAR, 38A Yardley St., Christchurch 4

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 in NZ currency 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 No. (09) 294 8334

Exchanges and library subscriptions should be sent to the Treasurer.

CONTENTS OF VOLUME 40

1993

Part 1: March 1993

CONTENTS

DOWDING, J.E.; MURPHY, E.C. Decline of the Stewart Island population of the New Zealand Dotterel	1
BARLOW, M. New Zealand Dotterel: South Island historical notes and Southland coastal records	15
POWLESLAND, R.G.; POWLESLAND, M.H.; PICKARD, C.R. Seabirds found dead on New Zealand beaches in 1990, and a review of <i>Phalacrocorax</i> , <i>Leucocarbo</i> , and <i>Stictocarbo</i> species recoveries, 1943 to 1990	27
PEARSON, P.E.; CLIMO, G.C., Habitat use by Chatham Island Pigeons	45
KIRK, E.J.; POWLESLAND, R.G.; CORK, S.C.; Anatomy of the mandibles, tongue and alimentary tract of Kakapo, with some comparative information from Kea and Kaka	55
MEDWAY, D.G. The type specimen of the Australasian Gannet <i>Morus serrator</i> (G. R. Gray, 1843)	65
WILSON, K.J. Observations of the Kurāmoo (<i>Vini peruviana</i>) on Aitutaki Island, Cook Islands	71
Short Notes	
ANDERSON, S. Stitchbirds copulate front to front	14
OLSEN, M. North Island Piopio – a possible 1930s record	26
GILL, B.J.; DRIESSEN, J., Common Noddy <i>Anous stolidus</i> at Muriwai Beach	43
TARBURTON, M.K. The most southern record of a Red-tailed Tropicbird	64
McLENNAN, J.A.; McCANN, T.J. Claw colour in Great Spotted Kiwi	76
O'DONNELL, C.F.J., More sap feeding by the Kaka	79
Obituary. J.M. Cunningham	80

Part 2: June 1993

McLEAN, I.G.; STUDHOLME, B.J.S.; RUSS, R.B. The Fiordland Crested Penguin survey, Stage III: Breaksea Island, Chalky and Preservation Inlets	85
HOLDAWAY, R.N.; WORTHY, T.H. First North Island fossil record of Kea, and morphological and morphometric comparison of Kea and Kaka	95
MADDOCK, M.; GEERING, D. Cattle Egret migration in South-eastern Australia and New Zealand: an update	109
WOOD, K.A. Feeding behaviour, offal preferences and tarsus shape of <i>Puffinus</i> shearwaters off Central New South Wales	123
BAKKER B.J.; FORDHAM, R.A. Diving behaviour of the Australian Coot in a New Zealand lake	131
GUEST, R. & G. Birds from a Palmerston North garden	137
MEDWAY, D.G. The identity of the Chocolate Albatross <i>Diomedea spadicea</i> of Gmelin, 1789 and of the Wandering Albatross <i>Diomedea exulans</i> of Linnaeus, 1758	145
Short Notes	
MONNET, C.; SANDFORD, L.; SIU, P.; THIBAUT, J-C.; VARNEY, A. Polynesian Ground Dove (<i>Gallicolumba erythroptera</i>) discovered at Rangiroa Atoll, Tuamotu Islands (Polynesia)	128
GILL, B.J. Notes on the nesting and longevity of Whiteheads	141
HUTTON, M.; SLOAN, B. Variable Oystercatchers cope with gulls	144
Reviews	163

Part 3: September 1992

BROWN, K.; INNES, J.; SHORTEN, R. Evidence that possums prey on and scavenge birds' eggs, birds and mammals	169
ROBERTSON, H.A.; HAY, J.R.; SAUL, E.K. Age and sex determination of Kakerori	179
WANG, Z.; NORMAN, F.I. Timing of breeding, breeding success and chick growth in South Polar Skuas (<i>Catharacta maccormicki</i>) in the Eastern Larsemann Hills, Princess Elizabeth Land, East Antarctica	189
WAKELIN, M.D. Contents of Blue Duck faeces from the Tongariro River	205
DOWDING, J.E.; KENNEDY, E.S. Size, age structure and morphometrics of the Shore Plover population on South East Island	213
Short Notes	
SIBSON, R.B. Bellbirds eating fruits of strawberry trees	177
WILSON, J.A. Pied Stilts pursue an eel	178
McFADDEN, I. Petrels prospecting in the Hunua Ranges	188
McFADDEN, I. Gadfly petrel feeding on Lake Taupo	204
MALONEY, R.; WELLS, N.; ELKINGTON, S.; CHADDERTON, L. Survey of Fiordland Crested Penguins on Codfish Island	223
BLABER, S.J.M. Waders at Suva Point, Fiji, during a cyclone ..	225
DOWDING, J.E.; MURPHY, E.C. Distribution and breeding of the Spur-winged Plover on Stewart Island	227
RASCH, G.; McCLELLAND, P. South Island Saddlebacks transferred to Breaksea Island	229
HADDEN, D. First Spotless Crane's nest for the South Island	231

Part 4: December 1993

POWLESLAND, R.G.; POWLESLAND, M.H. Seabirds found dead on New Zealand beaches in 1991, and a review of <i>Morus</i> and <i>Sula</i> species recoveries, 1943 to 1991.....	233
O'DONNELL, C.F.J.; DILKS, P. Habitat use in autumn by forest birds on South East Island, Chatham Islands	247
ROBERTSON, H.A.; COLBOURNE, R.M.; NIEUWLAND, F. Survival of Little Spotted Kiwi and other forest birds exposed to brodifacoum rat poison on Red Mercury Island	253
MEDWAY, D.G. The correct identity of the Black-toed Petrel <i>Procellaria melanopus</i> Gmelin, 1789	263
MILLER, M.A. A survey of birds on the Kaikorai Estuary	273
PIERCE, R.J.; ATKINSON, R.; SMITH, E. Changes in bird numbers in six Northland forests 1979 - 1993	285
Short Notes	
PORTER, D. Magpie kills and eats a Skylark.....	246
KENNEDY, M.; SPENCER, H.G.; GRAY, R.D. A yellow-footed pink-footed shag: an unusual Stewart Island Shag at Taiaroa Head	270
McLENNAN, J.A.; POTTER, M.A. Juveniles in mainland populations of kiwi	294
GILL, B.J.; LOVEGROVE, T.G.; HAY, J.R. More myna matters - notes on introduced passerines in Western Samoa	300
SAGAR, P.M.; WARHAM, J. A long-lived Buller's Mollymawk (<i>Diomedea bulleri bulleri</i>) with a small egg.....	303
DARBY, J.T.; SCHWEIGMAN, P. White-bellied Storm Petrel revisited.....	304
CROSSLAND, A.C. Do Arctic Skuas sometimes roost on land at night?	305
GREENFIELD, L.G. Live Adélie Penguins in Antarctic Dry Valleys	306
COSSEE, R.O.; MILLS, J.A. First live record of an Adélie Penguin in New Zealand.....	308
BEAUCHAMP, A.J.; CHAMBERS, R.; KENDRICK, J.L. North Island Weka on Rakitu Island.....	309
Reviews	313
Letter	315

INDEX OF AUTHORS AND SPECIES VOL 40

- Acanthis flammea*, see Redpoll
Acanthisitta chloris granti, see Rifleman, North Island
Acridotheres fuscus, see Myna, Jungle
 tristis, see Myna, Indian
Alauda arvensis, see Skylark
 Albatross, Chocolate, see Albatross, Wandering
 Light-mantled Sooty, 29, 92, 235
 Royal, 145, 155, 235, 315
 Sooty, 148, 149
 spp., 29, 267, 303-304, 314-316
 Wandering, 29, 145-162, 235, 314-316
Alca torda, see Razorbill
Anarhynchus frontalis, see Wrybill
Anas aucklandica chlorotis, see Teal, Brown
 gracilis, see Teal, Grey
 platyrhynchos, see Duck, Mallard
 rhynchotis variegata, see Shoveler, New Zealand
 spp., see Duck spp.
 superciliosa, see Duck, Grey
 ANDERSON, S. Stitchbirds copulate front to front, 14
Anous stolidus, see Noddy, Common
 tenuirostris, see Noddy, White-capped
Anser bassanus, see *Morus bassanus*
Anthornis melanura, see Bellbird
Anthus novaeseelandiae, see Pipit, New Zealand
Aptenodytes forsteri, see Penguin, Emperor
Apteryx australis, see Kiwi
 a. mantelli, see Kiwi, North Island Brown
 haastii, see Kiwi, Great Spotted
 owenii, see Kiwi, Little Spotted
Ardea novaehollandiae, see Heron, White-faced
Arenaria interpres, see Turnstone
 ATKINSON, R., see PIERCE, R.J.; ATKINSON, R.; SMITH, E.
 Auk, Great, 314

 BAKKER, B.J.; FORDHAM, R.A. Diving behaviour of the Australian
 coot in a New Zealand lake, 131-136
 BARLOW, M. New Zealand Dotterel: South Island historical notes and
 Southland coastal records, 15-25
 BEAUCHAMP, A.J.; CHAMBERS, R.; KENDRICK, J.L. North Island
 Weka on Rakitu Island, 309-312
 Bellbird, 141, 177, 257, 259-261, 278, 279
 Bird, Forest spp., 285-293
 Man of War, 153
 Bittern, Australasian, 277-279
 BLABER, S.J.M. Waders at Suva Point, Fiji, during a cyclone, 225-226
 Blackbird, 33, 137, 169, 170, 174, 239, 257, 259, 260, 278-280, 293, 312

- Booby, Brown, 233, 243
Masked, 233, 243-244
Red-footed, 129
spp., 233
Botaurus stellaris poiciloptilus, see Bittern, Australasian
Bowdleria punctata vealeae, see Fernbird, North Island
Branta canadensis, see Goose, Canada
BROWN, K.; INNES, J.; SHORTEN, R. Evidence that possums prey on
and scavenge birds' eggs, birds and mammals, 169-177
Bubulcus ibis, see Egret, Cattle
Bulbul, Red-vented, 300-302

Calidris canutus, see Knot
 c. islandica, see Knot
 c. rogersi, see Knot
Callaeas cinerea wilsoni, see Kokako, North Island
Calonectris diomedea, see Shearwater, Cory's
Carduelis carduelis, see Goldfinch
 chloris, see Greenfinch
 flammea, see Redpoll
Catharacta maccormicki, see Skua, South Polar
 skua lonnbergi, see Skua, Brown
CHADDERTON, L., see MALONEY, R.; WELLS, N.; ELKINGTON, S;
 CHADDERTON, L.
Chaffinch, 137, 239, 259, 278-280, 293
CHAMBERS, R., see BEAUCHAMP, A.J.; CHAMBERS, R.; KENDRICK, J.L.
Charadriiformes, 165, 225-226
Charadrius alexandrinus nivosus, see Plover, Snowy
 bicinctus, see Dotterel, Banded
 melanops, see Dotterel, Black-fronted
 obscurus, see Dotterel, New Zealand
Chrysococcyx l. lucidus, see Cuckoo, Shining
Circus approximans, see Harrier, Australasian
CLIMO, G.C., see PEARSON, P.E.; CLIMO, G.C.
Cnemidornis gracilis, see Goose, Extinct New Zealand
Cockatiel, 239
COLBOURNE, R.M., see ROBERTSON, H.A.; COLBOURNE, R.M.;
 NIEUWLAND, F.
Columba livia, see Pigeon, Rock
Columbiform sp., 62
Coot, American, 131, 134, 135
 Australian, 131-136, 232
 European, 135
 Extinct, 97, 103
CORK, S.C., see KIRK, E.J.; POWLESLAND, R.G.; CORK, S.C.
COSSEE, R.O.; MILLS, J.A. First live record of an Adelie Penguin in New
 Zealand, 308-309
Coturnix coturnix, see Quail, Japanese

- Crake, Marsh, 231
 Spotless, 231-232, 312
- Creeper, Brown, 278, 279
- CROSSLAND, A.C. Do Arctic Skuas sometimes roost on land at night?
 305-306
- Cuckoo, Long-tailed, 137
 Shining, 82, 137-139, 239, 257, 259, 261, 293
- Cyanoramphus auriceps forbesi*, see Parakeet, Forbes'
 novaezelandiae, see Parakeet, Red-crowned
 n. chathamensis, see Parakeet, Chatham Island Red-crowned
 sp., see Parakeet, sp.
- Cygnus atratus*, see Swan, Black
- Dabchick, New Zealand, 239
- Daption capense*, see Pigeon, Cape
- DARBY, J.T.; SCHWEIGMAN, P. White-bellied Storm Petrel revisited, 304
- DILKS, P.J., see O'DONNELL, C.F.J.; DILKS, P.J.
- Diomedea albatrus*, see *Diomedea exulans*
 avis, see *Calonectris diomedea*
 bulleri, see Mollymawk, Buller's
 b. bulleri, see Mollymawk, Southern Buller's
 c. cauta, see Mollymawk, White-capped
 c. salvini, see Mollymawk, Salvin's
 c. steadi, see Mollymawk, New Zealand White-capped
 cauta subspp., see Mollymawk, *cauta* subspp.
 chionoptera alexanderi, see *Diomedea exulans dabbenena*
 chlororhynchus, see Mollymawk, Yellow-nosed
 chrysostoma, see Mollymawk, Grey-headed
 demersa, see *Spheniscus demersus*
 epomophora, see Albatross, Royal
 exulans, see Albatross, Wandering
 e. amsterdamensis, see Albatross, Wandering
 e. antipodensis, see Albatross, Wandering
 e. dabbenena, see Albatross, Wandering
 e. exulans, see Albatross, Wandering
 e. gibsoni, see Albatross, Wandering
 melanophrys, see Mollymawk, Black-browed
 spadicea, see Albatross, Wandering
 spp., see Albatross or Mollymawk spp.
- Diomedeidae, 145-162, 314-316
- Dotterel, Banded, 15, 17, 20, 277-279
 Black-fronted, 137, 277-279
 New Zealand, 1-13, 15-25, 33, 214, 221, 227, 228
- Dove, Marquesas Ground, 128, 129
 Polynesian Ground, 128-130
- DOWDING, J.E.; MURPHY, E.C. Decline of the Stewart Island
 population of the New Zealand Dotterel, 1-13
- DOWDING, J.E.; MURPHY, E.C. Distribution and breeding of the Spur-
 winged Plover on Stewart Island, 227-229

- DOWDING, J.E.; KENNEDY, E.S. Size, age structure and morphometrics of the Shore Plover population on South East Island, 213-222
- DRIESSEN, J., see GILL, B.J.; DRIESSEN, J.
- Duck, Blue, 205-212
- Finsch's, 103
- Grey, 33, 137, 239
- Mallard, 33, 137, 239, 273, 278-280
- spp., 24, 33, 276, 280, 282, 283
- Dunnock, see Sparrow, Hedge
- Egret, Cattle, 109-122, 239, 278, 279
- Egretta alba*, see Heron, White
- s. sacra*, see Heron, Reef
- ELKINGTON, S., see MALONEY, R.; WELLS, N.; ELKINGTON, S.; CHADDERTON, L.
- Emberiza citrinella*, see Yellowhammer
- Eudyptes pachyrhynchus*, see Penguin, Fiordland Crested
- robustus*, see Penguin, Snares Crested
- spp., see Penguin, Crested spp.
- Eudyptula minor*, see Penguin, Blue
- Euleucocarbo*, see *Leucocarbo*
- Euryanas finschi*, see Duck, Finsch's
- Euryapteryx curtus*, see Moa, Coastal
- geranoides*, see Moa, Stout-legged
- Falco novaeseelandiae*, see Falcon, New Zealand
- Falcon, New Zealand, 92
- Fantail, North Island, 137, 174, 259, 260, 285, 289, 293
- South Island, 278, 279
- spp., 180
- Fernbird, North Island, 293
- Finch, spp., 276, 277, 280, 282, 283
- Flycatcher, Fatu Hiva, 180, 186
- Marquesas, 180, 186
- Rarotonga, 179-187
- spp., 179-187
- Tahiti, 179, 180, 186
- FORDHAM, R.A., see BAKKER, B.J.; FORDHAM, R.A.
- Fowl, Domestic, 33, 62, 170, 239
- Fratercula arctica*, see Puffin
- Fregata* spp., see Frigatebird spp.
- Fregetta grallaria*, see Storm Petrel, White-bellied
- tropica*, see Storm Petrel, Black-bellied
- Frigatebird, spp., 155, 156, 314
- Fringilla coelebs*, see Chaffinch
- Fulica americana*, see Coot, American
- atra australis*, see Coot, Australian
- chathamensis*, see Coot, Extinct

- Fulmar, Antarctic, 30, 31, 93, 191, 200, 236, 237
 Southern, see Fulmar, Antarctic
Fulmarus glacialisoides, see Fulmar, Antarctic
- Gallicolumba e. erythroptera*, see Dove, Polynesian Ground
e. pectoralis, see Dove, Polynesian Ground
rubescens, see Dove, Marquesas Ground
- Galliform, spp., 62
Gallinula chloropus, see Moorhen
Gallirallus australis, see Weka
a. greyi, see Weka, North Island
a. scotti, see Weka, Stewart Island
philippensis, see Rail, Banded
- Gallus gallus*, see Fowl, Domestic
- Gannet, Australasian, 30, 31, 65-70, 233, 236, 237, 239-243
 North Atlantic, 65, 68
- Gavia immer*, see Loon, Common
- GEERING, D., see MADDOCK, M.; GEERING, D.
- Gerygone albofrontata*, see Warbler, Chatham Island
igata, see Warbler, Grey
- GILL, B.J. Notes on the nesting and longevity of Whiteheads, 141-143
- GILL, B.J.; DRIESSEN, J. Common Noddy (*Anous stolidus*) at Muriwai Beach, 43-44
- GILL, B.J.; LOVEGROVE, T.G.; HAY, J.R. More Myna matters - notes on introduced passerines in Western Samoa, 300-302
- Godwit, Bar-tailed, see Godwit, Eastern Bar-tailed
 Eastern Bar-tailed, 6, 33, 225, 226, 239, 277-279
- Goldfinch, 33, 137, 170, 172, 239, 278, 279, 293
- Goose, Canada, 33, 239, 278, 279
 Domestic, 33, 239
 Extinct New Zealand, 97, 103
 Soland, see Gannet
- GRAY, R.D., see KENNEDY, M.; SPENCER, H.G.; GRAY, R.D.
- Grebe, Australasian Little, 232
- GREENFIELD, L.G. Live Adelie Penguins in Antarctic Dry Valleys, 306-307
- Greenfinch, 137, 169, 170-173, 278, 279
- GUEST, G., see GUEST, R.; GUEST, G.
- GUEST, R.; GUEST, G. Birds from a Palmerston North garden, 137-141
- Guillemot, 134
- Gull, Black-backed, 5, 30, 31, 137, 144, 236, 237, 255, 273, 276-280, 282, 283, 306
 Black-billed, 30, 31, 82, 236, 237, 277-279, 305
 Red-billed, 30, 31, 236, 237, 277-279, 305, 306, 308
 Silver, 125
 Southern Black-backed, see Gull, Black-backed
 spp., 29, 235, 276, 280, 283, 305
- Gygis alba*, see Tern, White
- Gymnorhina tibicen*, see Magpie, Australian
t. tibicen, see Magpie, Black-backed

- HADDEN, D. First Spotless Crane's nest for the South Island, 231-232
Haematopus ostralegus finschi, see Oystercatcher, South Island Pied
 unicolor, see Oystercatcher, Variable
Halcyon sancta, see Kingfisher, New Zealand
Halobaena caerulea, see Petrel, Blue
Harrier, Australasian, 33, 137, 174, 239, 255, 259, 278, 279, 282, 283, 293
HAY, J.R., see ROBERTSON, H.A.; HAY, J.R.; SAUL, E.K.
HAY, J.R., see GILL, B.J.; LOVEGROVE, T.G.; HAY, J.R.
Hemiphaga novaeseelandiae chathamensis, see Pigeon, Chatham Island
 n. novaeseelandiae, see Pigeon, New Zealand
Hen, Domestic, see Fowl, Domestic
Heron, Reef, 33, 239
 spp., 239, 276
 White, 278, 279
 White-faced, 33, 137, 239, 278, 279
Himantopus h. leucocephalus, see Stilt, Pied
Hirundo tahitica neoxena, see Swallow, Welcome
HOLDAWAY, R.N.; WORTHY, T.H. First North Island fossil record
 of Kea, and morphological and morphometric comparison of
 Kea and Kaka, 95-108
HUTTON, M.; SLOAN, B. Variable Oystercatchers cope with Gulls, 144
Hydrobatidae, 80
Hymenolaimus malacorhynchos, see Duck, Blue

Ibis, Glossy, 166
INNES, J., see BROWN, K.; INNES, J.; SHORTEN, R.

Kaka, 55-63, 79-80, 95-108
 North Island, 96, 97, 99-103, 105-107, 239, 259, 285, 288, 291-293
 Small extinct South Island sp., 95-108
 South Island, 96, 97, 99-107
Kakapo, 11, 17, 55-63, 97, 227
Kakerori, 179-187, see also Flycatcher, Rarotonga
Kea, 55-63, 95-108
KENDRICK, J.L., see BEAUCHAMP, A.J.; CHAMBERS, R.;
 KENDRICK, J.L.
KENNEDY, E.S., see DOWDING, J.E.; KENNEDY, E.S.
KENNEDY, M.; SPENCER, H.G.; GRAY, R.D. A yellow-footed pink-
 footed shag: an unusual Stewart Island Shag at Taiaroa Head,
 270-272
Kereru, see Pigeon, New Zealand
Kingfisher, New Zealand, 137, 239, 257, 259, 278, 279, 293
KIRK, E.J.; POWLESLAND, R.G.; CORK, S.C. Anatomy of the
 mandibles, tongue and alimentary tract of Kakapo, with some
 comparative information from Kea and Kaka, 55-63
Kite, 155
Kiwi, Brown, 76-78, 97, 239
 Great Spotted, 76-78, 294, 295, 296, 298, 299
 Little Spotted, 76, 253-262, 294-297

- North Island Brown, 76, 173, 294-298
spp., 17, 294-297
- Knot, Lesser, 33
subsp., 164
- Kokako, North Island, 171, 172, 173, 175, 285, 290, 291, 293
- Kuramoo, see Lorikeet, Blue
- Larus bulleri*, see Gull, Black-billed
dominicanus, see Gull, Black-backed
novaeollandiae scopulinus, see Gull, Red-billed
spp., see Gull spp.
- LETTER: BOURNE, W.R.P. The early specimens of Wandering Albatross, 314-316
- Leucocarbo chalconotus*, see Shag, Stewart Island
onslowi, see Shag, Chatham Island
spp., see Shag, Blue-eyed spp.
- Limosa lapponica*, see Godwit, Bar-tailed
- Loon, Common, 134
- Lorikeet, Blue, 71-75
Blue-crowned, 71
Pacific, see Lorikeet, Blue
- LOVEGROVE, T.G., see GILL, B.J.; LOVEGROVE, T.G.; HAY, J.R.
- Lugensa brevirostris*, see Petrel, Kerguelen
- Macronectes* spp., see Petrel, Giant spp.
- MADDOCK, M.; GEERING, D. Cattle Egret migration in South-eastern Australia and New Zealand: An update, 109-122
- Magpie, Australian, 33, 255, 278, 279
Black-backed, 246
White-backed, 137, 239
- Mallard, see Duck, Mallard
- MALONEY, R.; WELLS, N.; ELKINGTON, S.; CHADDERTON, L.
Survey of Fiordland Crested Penguins on Codfish Island, 223-225
- McCANN, T.J., see McLENNAN, J.A.; McCANN, T.J.
- McCLELLAND, P., see RASCH, G.; McCLELLAND, P.
- McFADDEN, I. Petrels prospecting in the Hunua Ranges, 188
Gadfly petrel feeding on Lake Taupo, 204
- McLEAN, I.G.; STUDHOLME, B.J.S.; RUSS, R.B. The Fiordland Crested Penguin Survey. Stage III: Breaksea Island, Chalky and Preservation Inlets, 85-94
- McLENNAN, J.A.; McCANN, T.J. Claw colour in Great Spotted Kiwi, 76-78
- McLENNAN, J.A.; POTTER, M.A. Juveniles in mainland populations of kiwi, 294-297
- MEDWAY, D.G. The type specimen of the Australasian Gannet *Morus serrator* (G.R. Gray 1843), 65-70
The identity of the Chocolate Albatross *Diomedea spadicea* of Gmelin, 1789 and of the Wandering Albatross *Diomedea exulans* of Linnaeus, 1758, 145-162
The correct identity of the Black-toed Petrel *Procellaria melanopus* Gmelin, 1789, 263-269

- Megadyptes antipodes*, see Penguin, Yellow-eyed
Metabolus rugensis, see Monarch, Truk
MILLER, M.A. A survey of birds on the Kaikorai Estuary, 273-284
MILLS, J.A., see COSSEE, R.O.; MILLS, J.A.
Moa, Coastal, 97
 spp., 103
 Stout-legged, 97, 103
Mohoua albicilla, see Whitehead
 novaeseelandiae, see Creeper, Brown
Mollymawk, Black-browed, 29, 235
 Buller's, 30, 31, 235, 303-304
 cauta subspp., 29, 235
 Grey-headed, 30, 31, 236, 237
 New Zealand White-capped, 30, 31, 236, 237
 Salvin's, 29, 235
 Southern Buller's, 303-304
 spp., 29, 236, 237, 303-304
 Yellow-nosed, 29, 235
Monarch spp., see Flycatcher spp.
 Truk, 186
Monarches, see *Pomarea*
MONNET, C.; SANDFORD, L.; SIU, P.; THIBAUT, J.-C.; VARNEY, A. Polynesian Ground Dove (*Gallicolumba erythroptera*) discovered at Rangiroa Atoll, Tuamotu Islands (Polynesia), 128-130
Moorhen, 135
Morepork, 33, 137, 140, 141, 175, 255, 259, 293
Morus bassanus, see Gannet, North Atlantic
 serrator, see Gannet, Australasian
MURPHY, E.C., see DOWDING, J.E.; MURPHY, E.C. (Two papers)
Myna, Common, 33, 290, 292, 293, 300-302
 Jungle, 300-302

Nesocarbo, see *Leucocarbo*
Nestor meridionalis, see Kaka
 m. meridionalis, see Kaka, South Island
 m. septentrionalis, see Kaka, North Island
 notabilis, see Kea
NIEUWLAND, F. see ROBERTSON, H.A.; COLBOURNE, R.M.; NIEUWLAND, F.
Ninox novaeseelandiae, see Morepork
Noddy, Common, 43-44
 Lesser, see Noddy, White-capped
 White-capped, 129
NORMAN, F.I., see WANG, Z.; NORMAN, F.I.
NOTICE: Hydrobatidae 27: Opposition 2, 80
Notiomystis cincta, see Stitchbird
Numenius phaeopus variegatus, see Whimbrel, Asiatic

- OBITUARY: John M. Cunningham (1919-1992), by Peter Bull
 John M. Cunningham (1919-1992), by Elliott Dawson
Oceanites nereis, see Storm Petrel, Grey-backed
oceanicus, see Storm Petrel, Wilson's
 Oceanitidae, 80
 Oceanitinae, 80
 O'DONNELL, C.F.J. More sap feeding by the Kaka, 79-80
 O'DONNELL, C.F.J.; DILKS, P.J. Habitat use in autumn by forest birds
 on South East Island, Chatham Islands, 247-252
Oestrelata fisheri, see *Pterodroma inexpectata*
 OLSEN, M. North Island Piopio – a possible 1930s record, 26
 Owl, Little, 33
 Oystercatcher, South Island Pied, 6, 33, 239, 278, 279
 Variable, 33, 144, 180, 239, 278, 279

Pachyornis mappini, see Moa
Pachyptila belcheri, see Prion, Thin-billed
crassirostris, see Prion, Fulmar
desolata, see Prion, Antarctic
salvini, see Prion, Salvin's
 spp., see Prion, spp.
turtur, see Prion, Fairy
vittata, see Prion, Broad-billed
Pagodroma nivea, see Petrel, Snow
 Parakeet, Chatham Island Red-crowned, 247-252
 Forbes's, 251
 Red-crowned, 255, 259, 260
 spp., 26, 141, 293
 Parrot, Racket-tailed spp., 168
 spp, 55-63, 71-75
 Parulinae, see Wood-warbler
Passer domesticus, see Sparrow, House
 Passerine spp., 33, 255, 276, 277, 283
 PEARSON, P.E., CLIMO, G.C. Habitat use by Chatham Island Pigeons, 45-54
Pelagodroma marina, see Storm Petrel, White-faced
Pelecanoides urinatrix, see Petrel, Diving
Pelecanus aquilus, see Fregata spp.
Bassanus, see *Morus serrator*
chrysocephalus, see *Morus serrator*
Piscator, see *Morus serrator*
Sectator, see *Morus serrator*
serrator, see *Morus serrator*
Sula, see *Morus serrator*
 Penguin, Adelie, 190, 201, 306-307, 308-309
 Blue, 30, 31, 91, 92, 223, 236, 237
 Emperor, 191
 Fiordland Crested, 29, 32-33, 85-94, 223-225, 235
 Jackass, 314

- Snarcs Crested, 93
- spp., 29, 32, 151, 223-225
- Yellow-eyed, 30-33, 223, 235
- Petrel, Antarctic, 29, 191, 200, 233, 236-238
 - Black, 30, 31, 188, 235
 - Black-toed, see Petrel, Mottled
 - Black-winged, 29, 235
 - Blue, 30, 31, 236, 237
 - Cook's, 30, 31, 204, 236, 237
 - Diving, 30, 31, 236, 237
 - Gadfly spp., 204
 - Giant spp., 30, 31, 236, 237
 - Great black, see Petrel, White-chinned
 - Grey, 29, 235, 268
 - Grey-faced, 30, 31, 188, 236, 237, 261
 - Juan Fernandez, 267
 - Kerguelen, 30, 31, 236, 237
 - Kermadec, 265
 - Mottled, 30, 31, 92, 236, 237, 263-269
 - Providence, 263, 265
 - Pycroft's, 204, 235
 - Snow, 191, 198, 199, 201, 202
 - Soft-plumaged, 264-267
 - spp., 188, 204, 235-237, 267
 - Westland, 29, 174, 235
 - White-chinned, 29, 157, 235
 - White-headed, 30, 31, 233, 236-238
- Petroica macrocephala*, see Tomtit
 - m. chathamensis*, see Tomtit, Chatham Island
 - m. toitoi*, see Tomtit, Pied
 - traversi*, see Robin, Black
- Phaethon rubricauda*, see Tropicbird, Red-tailed
- Phalacrocorax carbo*, see Shag, Black
 - c. novaehollandiae*, see Shag, Black
 - melanoleucos*, see Shag, Little
 - m. brevirostris*, see Shag, Little
 - spp., see Shag spp.
 - sulcirostris*, see Shag, Little Black
 - v. varius*, see Shag, Pied
- Phasianus colchicus*, see Pheasant, Ring-necked
- Pheasant, Ring-necked, 3, 239, 293
- Philesturnus c. carunculatus*, see Saddleback, South Island
 - c. rufusater*, see Saddleback, North Island
- Phoebastria palpebrata*, see Albatross, Light-mantled Sooty
- PICKARD, C.R. see POWLESLAND, R.G.; POWLESLAND, M.H.; PICKARD, C.R.
- PIERCE, R.J.; ATKINSON, R.; SMITH, E. Changes in bird numbers in six Northland forests 1979-1993, 285-293

- Pigeon, Cape, 30, 31, 236, 237
Chatham Island, 45-54
New Zealand, 45, 98, 141, 174, 239, 259, 285, 287, 288, 291, 292, 293
Passenger, 168
Rock, 33, 239, 278, 279
- Piopio, North Island, 26
- Pipit, New Zealand, 278, 279
- Platalea regia*, see Spoonbill, Royal
- Platycercus eximius*, see Rosella, Eastern
- Plover, Pacific Golden, 225, 226
Shore, 213-222
Snowy, 214
Spur-winged, 33, 137, 227-229, 239, 277-280
- Pluvialis fulva*, see Plover, Pacific Golden
- Pomarea dimidiata*, see Flycatcher, Rarotonga
i. iphis, see Flycatcher, Marquesas
mendozae, see Flycatcher, Marquesas
nigra, see Flycatcher, Tahiti
whitneyi, see Flycatcher, Fatu Hiva
- Porphyrio mantelli*, see Takahe
p. melanotus, see Pukeko
- Porzana tabuensis*, see Crane, Spotless
- PORTER, D. Magpie kills and eats a Skylark, 246
- POTTER, M.A. see McLENNAN, J.A.; POTTER, M.A.
- POWLESLAND, M.H., see POWLESLAND, R.G.; POWLESLAND, M.H.;
PICKARD, C.R.
- POWLESLAND, M.H., see POWLESLAND, R.G.; POWLESLAND, M.H.
- POWLESLAND, R.G.; POWLESLAND, M.H.; PICKARD, C.R. Seabirds
found dead on New Zealand beaches in 1990, and a review
of *Phalacrocorax*, *Leucocarbo* and *Stictocarbo* species
recoveries, 1943-1990, 27-43
- POWLESLAND, R.G.; POWLESLAND, M.H. Seabirds found dead on New
Zealand beaches in 1991, and a review of *Morus* and *Sula*
species recoveries, 1943-1991, 233-245
- POWLESLAND, R.G., see KIRK, E.J.; POWLESLAND, R.G.; CORK, S.C.
- Prion, Antarctic, 30, 31, 236, 237
Broad-billed, 30, 31, 236, 237
Fairy, 30, 31, 236, 237
Fulmar, 235
Salvin's, 30, 31, 236, 237
spp., 30, 31, 236, 237
Thin-billed, 30, 31, 236, 237
- Prioniturus*, see Parrot, Racket-tailed spp.
- Procellaria aequinoctialis*, see Petrel, White-chinned
cinerea, see Petrel, Grey
crepidata, see *Pterodroma feae*
grisea, see *Procellaria cinerea*
haesitata, see *Procellaria cinerea*
melanopus, see *Pterodroma inexpectata*

- parkinsoni*, see Petrel, Black
- phillipii*, see *Pterodroma solandri*
- puffinus*, 154
- westlandica*, see Petrel, Westland
- Procellariid spp., 123-127
- Prosthemadera novaeseelandiae*, see Tui
- n. chathamensis*, see Tui, Chatham Island
- Prunella modularis*, see Sparrow, Hedge
- Pterodroma cookii*, see Petrel, Cook's
- externa*, see Petrel, Juan Fernandez
- inexpectata*, see Petrel, Mottled
- lessonii*, see Petrel, White-headed
- macroptera*, see Petrel, Grey-faced
- mollis*, see Petrel, Soft-plumaged
- m. feae*, see Petrel, Soft-plumaged
- neglecta*, see Petrel, Kermadec
- nigripennis*, see Petrel, Black-winged
- pycrofti*, see Petrel, Pycroft's
- solandri*, see Petrel, Providence
- spp., see Petrel spp.
- Puffin, 134
- Puffinus assimilis*, see Shearwater, Little
- bulleri*, see Shearwater, Buller's
- carneipes*, see Shearwater, Flesh-footed
- gavia*, see Shearwater, Fluttering
- gavia/huttoni*, see Shearwater, Fluttering/Hutton's
- griseus*, see Shearwater, Sooty
- huttoni*, see Shearwater, Hutton's
- pacificus*, see Shearwater, Wedge-tailed
- spp., see Shearwater, spp.
- temuirostris*, see Shearwater, Short-tailed
- Pukeko, 33, 231, 239, 277, 278-280, 283
- Pycnonotus cafer*, see Bulbul, Red-vented
- Pygoscelis adeliae*, see Penguin, Adelie
- Quail, Japanese, 62
- Rail, Banded, 231, 312
- spp., 131, 231
- RASCH, G.; McLELLAND, P. South Island Saddlebacks transferred to Breaksea Island, 229-231
- Razorbill, 134
- Redpoll, 137-139, 278, 279
- REVIEWS: McLean, I.G. Ecology of Birds, an Australian Perspective (H.A. Ford), 163
- Reigan, A. The Migration of Knot (T. Piersma, N. Davidson, Eds), 164
- Bell, B.D. Handbook of the Birds of the World, Vol. 1. (J. del Hoyo, A. Elliott, J. Sargatal, Eds), 164-165

- Schweigman, P. Storks, Ibises and Spoonbills of the World, (J.A. Hancock, J.A. Kushlan, M.P. Kahl), 165-166
- Minot, E.O. Current Ornithology, Vol. 9. (D.M. Power, Ed), 167-168
- Hay, R. Birds of the Philippines (E.C. Dickenson, R.S. Kennedy, K.C. Parkes), 168
- Robertson, H.A. Bird Census Techniques (C.J. Bibby, N.D. Burgess, D.A. Hill), 313
- Rhipidura fuliginosa*, see Fantail, New Zealand
- f. fuliginosa*, see Fantail, South Island
- f. placabilis*, see Fantail, North Island
- Rifleman, North Island, 26, 82
- ROBERTSON, H.A.; HAY, J.R.; SAUL, E.K. Age and sex determination of Kakerori *Pomarea dimidiata*, 179-187
- ROBERTSON, H.A.; COLBOURNE, R.M.; NIEUWLAND, F. Survival of Little Spotted Kiwi and other forest birds exposed to Brodifacoum rat poison on Red Mercury Island, 253-262
- Robin, Black, 221
- Rook, 137-139
- Rosella, Eastern, 285, 288, 293
- RUSS, R.B., see McLEAN, I.G.; STUDHOLME, B.J.S.; RUSS, R.B.
- Saddleback, North Island, 174, 255, 257, 259, 260
- South Island, 229-231
- SAGAR, P.M.; WARHAM, J. A long-lived Southern Buller's Mollymawk (*Diomedea b. bulleri*) with a small egg, 303-304
- SANDFORD, L., see MONNET, C.; SANDFORD, L.; SIU, P.; THIBAUT, J.-C.; VARNEY, A.
- SAUL, E.K., see ROBERTSON, H.A.; HAY, J.R.; SAUL, E.K.
- SCHWEIGMAN, P., see DARBY, J.T.; SCHWEIGMAN, P.
- Seabird, 27-43, 129, 145-162, 167, 188-203, 204, 233-245, 314-316
- Shag, Black, 30, 31, 34-35, 36, 37, 137, 236, 237, 278, 279
- Blue-eyed spp., 270
- Chatham Island, 34, 39
- Little, 29, 34, 36, 37-38, 91, 137-139, 235, 278, 279
- Little Black, 29, 34, 36, 37, 233, 235, 239
- Pied, 30, 31, 34-37, 236, 237
- Pitt Island, 29, 34, 40
- Spotted, 27, 30, 31, 33, 34, 39-41, 91, 236, 237, 270, 271, 278, 279
- spp., 27-43, 134, 235, 270-272, 283
- Stewart Island, 30, 31, 33, 34, 38-39, 41, 236, 237, 270-272
- Shearwater, Buller's, 30, 31, 236, 237
- Cory's, 154
- Flesh-footed, 30, 31, 123-127, 236, 237
- Fluttering, 30, 31, 123-127, 236, 237
- Fluttering/Hutton's, 30, 31, 124, 235

- Hutton's, 30, 31, 123-125, 127, 236, 237
Little, 30, 31, 236, 237
Short-tailed, 30, 31, 123-127, 236, 237, 266
Sooty, 30, 31, 91, 123-127, 236, 237
spp., 30, 31, 123-127, 236, 237
Wedge-tailed, 123-127
- Shelduck, Paradise, 33, 239, 255, 278-280
- SHORTEN, R., see BROWN, K.; INNES, J.; SHORTEN, R.
- Shoveler, New Zealand, 278-280, 283
- SIBSON, R.B. Bellbirds eating fruits of strawberry trees, 177
- Silvereye, 33, 137, 138, 177, 257, 259, 260, 278, 279, 285, 289-290, 292, 293
- SIU, P., see MONNET, C.; SANDFORD, L.; SIU, P.; THIBAUT, J.-C.;
VARNEY, A.
- Skua, Arctic, 29, 235, 305-306
Brown, 29, 201, 233, 236, 237, 239
South Polar, 189-203
- Skylark, 137, 246, 278-280
- SLOAN, B., see HUTTON, M.; SLOAN, B.
- SMITH, E., see PIERCE, R.J.; ATKINSON, R.; SMITH, E.
- Sparrow, Hedge, 141, 259, 278, 279, 293
House, 33, 137, 173, 175, 277-280
- SPENCER, H.G., see KENNEDY, M.; SPENCER, H.G.; GRAY, R.D.
- Spheniscidae, 151
- Spheniscus demersus*, see Penguin, Jackass
- Spoonbill, Royal, 166, 277-280
- Starling, 33, 137, 170-172, 239, 259, 260, 262, 273, 277-280
- Stercorarius parasiticus*, see Skua, Arctic
- Sterna albobristata*, see Tern, Black-fronted
caspia, see Tern, Caspian
fuscata, see Tern, Sooty
spp., see Tern, spp.
striata, see Tern, White-fronted
- Stictocarbo featherstoni*, see Shag, Pitt Island
p. punctatus, see Shag, Spotted
p. steadi, see Shag, Blue
- Stilt, Pied, 33, 137, 140, 141, 178, 239, 277-280, 283
- Stitchbird, 14
- Storm Petrel, Black-bellied, 304
Grey-backed, 29, 235
spp., 80
White-bellied, 304
White-faced, 30, 31, 236, 237
Wilson's, 191
- Strigops habroptilus*, see Kakapo
- STUDHOLME, B.J.S., see McLEAN, I.G.; STUDHOLME, B.J.S.; RUSS, R.B.
- Sturnus vulgaris*, see Starling
- Sula australis*, see *Morus serrator*
dactylatra, see Booby, Masked
hoieri, see *Morus serrator*

- leucogaster*, see Booby, Brown
l. plotus, see Booby, Brown
serrator, see *Morus serrator*
s. dyotti, see *Morus serrator*
s. rex, see *Morus serrator*
sula, see Booby, Red-footed
Swallow, Welcome, 137, 246, 259, 278-280, 283, 293
Swan, Black, 33, 239, 277-280
 spp., 276
Swift, Spine-tailed, 33, 137

Tachybaptus novaehollandiae, see Grebe, Australian Little
Tadorna variegata, see Shelduck, Paradise
Takahe, 97, 103
TARBURTON, M.K. The most southern record of a Red-tailed Tropicbird, 64
Tattler, Wandering, 226
Teal, Brown, 11
 Grey, 278, 279
Tern, Black-fronted, 305
 Caspian, 29, 137, 235-237, 278, 279, 305
 Sooty, 29, 235
 spp., 29, 276, 305
 White, 27, 29, 32
 White-fronted, 30, 31, 236, 237, 278, 279, 305
Thalassoica antarctica, see Petrel, Antarctic
THIBAULT, J-C., see MONNET, C.; SANDFORD, L.; SIU, P.;
 THIBAULT, J-C.; VARNEY, A.
Thinornis novaeseelandiae, see Plover, New Zealand Shore
Thrush, Song, 33, 137, 174, 239, 259, 278-280
Tit, see Tomtit
Tomtit, Chatham Island, 247-251
 North Island, 289, 292, 293
 Pied, see Tomtit, North Island
Tringa incana, see Tattler, Wandering
Tropicbird, Red-tailed, 29, 64, 233, 235, 238
Tui, 33, 97, 137, 138, 140, 239, 259, 261, 285, 290, 292, 293
 Chatham Island, 247-252
Turdus merula, see Blackbird
 philomelos, see Thrush, Song
Turkey, Wild, 33, 239
Turnagra capensis tanagra, see Piopio, North Island
Turnstone, 6, 213, 225, 226

Uria aalge, see Guillemot

Vanellus miles novaehollandiae, see Plover, Spur-winged
VARNEY, A., see MONNET, C.; SANDFORD, L.; SIU, P.;
 THIBAULT, J-C.; VARNEY, A.

Vini australis, see Lorikeet, Blue-crowned
peruviana, see Lorikeet, Blue

Wader, 1-13, 15-25, 213-222, 225-226, 276, 280, 282, 283

WAKELIN, M.D. Contents of Blue Duck faeces from the Tongariro River, 205-212

WANG, Z.; NORMAN, F.I. Timing of breeding, breeding success and chick growth in South Polar Skuas (*Catharacta maccormicki*) in the Eastern Larsemann Hills, Princess Elizabeth Land, East Antarctica, 189-203

Warbler, Chatham Island, 247-251

Grey, 137, 138, 142, 257, 259-261, 278, 279, 285, 289, 293

WARHAM, J., see SAGAR, P.M.; WARHAM, J.

Waterfowl, 131, 277, 280

Weka, 14, 87, 97, 174, 221, 231, 296

North Island, 309-312

Stewart Island, 11

Western, 239

WELLS, N., see MALONEY, R.; WELLS, N.; ELKINGTON, S.; CHADDERTON, L.

Whimbrel, Asiatic, 226

Whitehead, 82, 141-143

WILSON, J.A. Pied Stilts pursue an eel, 178

WILSON, K.J. Observations of the Kuramoo (*Vini peruviana*) on Aitutaki Island, Cook Islands, 71-75

WOOD, K.A. Feeding behaviour, offal preferences and tarsus shape of *Puffinus* shearwaters off central New South Wales, 123-127

Wood-warbler, 167

WORTHY, T.H., see HOLDAWAY, R.N.; WORTHY, T.H.

Wrybill, 221

Yellowhammer, 137, 138, 140, 278, 279, 293

Zosterops lateralis, see Silvereye

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