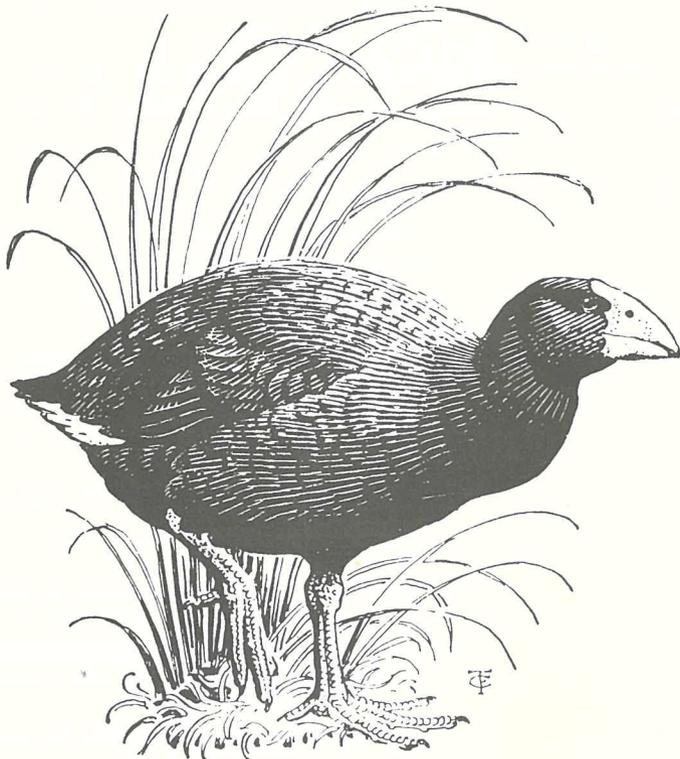


# NOTORNIS

**Journal of the Ornithological Society  
of New Zealand**



**Volume 44 - 1997**

ISSN 0029-4470

## OFFICERS 1997-98

President:  
Vice-Presidents:  
North Island:  
South Island:  
Secretary:  
Treasurer:  
Council Members:

CHRISTOPHER J.R. ROBERTSON - P.O. Box 12397, Wellington  
DAVID CROCKETT - 21 McMillan Ave., Kamo, Whangarei  
KERRY-JANE WILSON, Lincoln University, P.O. Box 84, Lincoln  
RAEWYN EMPSON - P.O. Box 12397, Wellington  
MARK NEE - P.O. Box 12397, Wellington  
TONY CROCKER - 118 Cones Rd., Ashley, R.D.2, Rangiora  
HAZEL HARTY - P.O. Box 316, Drury  
G.A. TAYLOR - P.O. Box 12397, Wellington  
D. ONLEY - 49 Bernera St., c/- Post Office, Karitane  
HUGH A. ROBERTSON - 30 Deller Grove, Silverstream  
STELLA ROWE - 1 Corrin St., Hamilton

## EDITORS

NOTORNIS  
Editorial Board:  
OSNZNews:  
Book Reviews:

GÁBOR L. LÖVEI - 16 Margaret Street, Palmerston North 5301  
D. ONLEY - 49 Bernera St., c/- Post Office, Karitane  
PAUL M. SAGAR - 38a Yardley St., Christchurch 8004  
TONY CROCKER - 118 Cones Rd., Ashley, R.D. 2, Rangiora  
KEITH WOODLEY - Miranda Shorebird Centre, R.D.1, Pokeno

## CONVENORS & ORGANISERS

Rare Birds:  
Beach Patrol:  
Nest Records:  
Moult Records:

JOHN DAVENPORT - 214 Maungatapu Rd., Tauranga 3001  
GRAEME TAYLOR - P.O. Box 12397, Wellington  
HUGH A. ROBERTSON - 30 Deller Grove, Silverstream  
BEN D. BELL - School of Biol. Sci., Victoria Univ., P.O. Box 600,  
Wellington

Classified Summarised  
Notes: North Island:  
South Island:  
SW Pacific Islands:  
Banding Liason Officer:

ALAN TENNYSON - P.O. Box 467, Wellington  
COLIN O'DONNELL - D.o.C., Private Bag, Christchurch  
J.L. MOORE - 32 Brook St., Lower Hutt  
CHRIS N. CHALLIES - 22a Highfield Pl., Christchurch 4

## LIBRARIANS

Books & Journals:  
Bird Slides:

KATHY BARROW - c/- Auckland Institute & Museum, Private Bag  
92018, Auckland  
PAUL CUMING - 82 Morrinsville Rd., Hamilton

## SUBSCRIPTIONS & MEMBERSHIP

Ordinary Member \$45 overseas US\$40 (inc.postage); Full-time  
Student Member, \$22.50; Family Member living in a household  
with an Ordinary or Life Member or Fellow \$22.50 (do not receive  
publications); Institution/Group Member, \$90, overseas US\$75  
(inc. postage); Corporate Member, \$225; Life Member (30 years  
and over) \$900. Overseas subscriptions can 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 the Membership Secretary: HAZEL HARTY,  
P.O. Box 316, Drury, South Auckland; Phone/Fax (09) 294 8334

CONTENTS OF VOLUME 44  
1997

Part 1: March 1997

|  |        |
|--|--------|
| Population structure, morphometrics, moult, migration, and wintering of the Wrybill ( <i>Anarchynchus frontalis</i> ) • DAVIES, S.   | 1      |
| Distribution of Sooty Shearwater ( <i>Puffinus griseus</i> ) breeding colonies along the Otago Coast, New Zealand, with indication of nationwide population trends • HAMILTON, S.A.; MOLLER, H.; ROBERTSON, C.J.R. | 15     |
| The decline of the North Island Weka ( <i>Gallirallus australis greyi</i> ) in the East Cape and Opotiki regions, North Island, New Zealand • BEAUCHAMP, A.J.  | 27     |
| The Fiordland Crested Penguin ( <i>Endiptes pachyrhynchus</i> ) survey. Stage V. Mainland coastline, Bruce Bay to Yates Point • MCLEAN, I.G.; ABEL, M.; CHALLIES, C.N.; HEPPELTHWAITE, S.; LYALL, J.; RUSS, R.B.   | 37     |
| The breeding population of Spotted Shags ( <i>Stictocarbo punctatus punctatus</i> ) on Banks Peninsula: 36 years later • DOHERTY, J.L.; BRÄGER, S.   | 49     |
| <br><b>Short Notes</b>   |        |
| White-faced Storm Petrel ( <i>Pelagodroma marina</i> ) eating offal • MEDWAY, D.G.   | 26     |
| Hard release of captive-reared New Zealand Pigeons ( <i>Hemiphaga n. novaeseelandiae</i> ) • POWLESLAND, R.G.; WILLANS, M.   | 57     |
| <br><b>Review</b>  | <br>36 |
| <b>Obituary</b>  | 60     |
| <b>Instructions to Authors</b>   | 62     |

## Part 2: June 1997

|  |         |
|--|---------|
| Mortality, distribution, numbers and conservation of the Chatham Island Pigeon ( <i>Hemiphaga novaeseelandiae chathamensis</i> ) • GRANT, A.D.; POWLESLAND, R.G.; DILKS, P.J.; FLUX, I.A.; TISDALL, C.J. | 65      |
| Classified Summarised Notes, North Island 1 July 1995 to 30 June 1996<br>• PARRISH, G.R.; LOCK, J.W.   | 79      |
| Fossil deposits in the Hodges Creek Cave System, on the northern foothills of Mt Arthur, Nelson, South Island, New Zealand<br>• WORTHY, T.H.   | 111     |
| <br><b>Short Notes</b>   |         |
| Bird deaths from hip-chain cotton entanglement<br>• BROWN, K.P.; MILLER, C.  | 109     |
| The Chatham Island Mollymawk ( <i>Diomedea eremita</i> ) in Australia<br>• REID, T.; JAMES, D.   | 125     |
| <br><b>Fellows of the Ornithological Society of New Zealand</b>  | <br>129 |
| <br><b>Reviews</b>   | <br>133 |

## Part 3: September 1997

|   |     |
|---|-----|
| Body composition of Lesser Knots ( <i>Calidris canutus rogersi</i> ) preparing to take off on migration from northern New Zealand<br>• BATTLE, P.F.; PIERSMA, T.                      | 137 |
| The influence of Hoki fishing vessels on Westland Petrel ( <i>Procellaria westlandica</i> ) distribution at sea • FREEMAN, A.N.D.   | 159 |
| Sudden death of Weka ( <i>Gallirallus australis</i> ) on Kawau Island, New Zealand • BEAUCHAMP, A.J.  | 165 |
| Huia ( <i>Heteralocha acutirostris</i> : Callaeidae) - like sexual bill dimorphism in some birds of paradise (Paradisaeidae) and its significance<br>• FRITH, C.B.                    | 177 |
| The diet of the Wrybill ( <i>Anarhynchus frontalis</i> ) and the Banded Dotterel ( <i>Charadrius bicinctus</i> ) on two braided rivers in Canterbury, New Zealand<br>• HUGHEY, K.F.D. | 185 |
| <b>Short Notes</b>  |     |
| The first confirmed breeding by the Nankeen Night Heron ( <i>Nycticorax caledonicus</i> ) in New Zealand • MARSH, N.; LÖVEL, G.L.   | 152 |
| White-capped Albatross ( <i>Thalassarche steadi</i> ) breeding at Chatham Islands • ROBERTSON, C.J.R.; ROBERTSON, G.G.  | 156 |
| New and rare bird records for Raoul Island<br>• CLIFFORD, H.J.; LAWRIE, D.A.  | 171 |
| The destruction by storm of the Australasian Gannet ( <i>Morus serrator</i> ) colony at Farewell Spit • COOK, W.A.  | 174 |
| <b>Recent Literature</b>  | 194 |

## Part 4: December 1997

- Seabirds found dead on New Zealand beaches in 1995 201  
 • G.A. TAYLOR
- Nest site characteristics of New Zealand Falcons (*Falco novaeseelandiae*) 213  
 in a forested habitat • BAREA, L.P.; WAAS, J.R.; THOMPSON, K.
- Bird density and diversity in braided river beds in the Upper Waitaki 219  
 Basin, South Island, New Zealand • MALONEY, R.F.; REBERGEN, A.L.;  
 NILSSON, R.J.; WELLS, N.J.
- Observations on the breeding behaviour of the Takahē (*Porphyrio* 233  
*mantelli*) on Mana Island • RYAN, C.
- A survey of historical Laughing Owl (*Sceloglaux albifacies*) specimens 241  
 in museum collections • WORTHY, T.H.
- Successful translocations of Little Spotted Kiwi (*Apteryx owenii*) between 253  
 offshore islands of New Zealand • COLBOURNE, R.M.; ROBERTSON, H.A.

**Short Notes**

- Plumage and bill morphology variations in a population of the Blue 259  
 Penguin (*Eudyptula minor*) • HOCKEN, A.G.
- Observation of a Long-tailed Cuckoo (*Eudynamys taitensis*) as a 264  
 predator of Tomtit (*Petroica macrocephala toitoi*) nestlings  
 • BEAVEN, B.M.
- Predation of Yellow-eyed Penguins (*Megadyptes antipodes*) on mainland 265  
 New Zealand by Hooker's sealion (*Phocarcos bookeri*)  
 • SCHWEIGMAN, P.; DARBY, J.T.
- First record of a Black-faced Monarch (*Monarcha melanopsis*) 267  
 in New Zealand • TENNYSON, A.

**Obituary**

270

## INDEX OF AUTHORS AND SPECIES

## VOL 44

- ABEL, M., see McLEAN, I.G.; ABEL, M.; CHALLIES, C.N.; HEPPELTHWAITE, S.; LYALL, J.; RUSS, R.B.
- Acanthisitta chloris*, see Rifleman  
*c. chloris*, see Rifleman, South Island  
*c. granti*, see Rifleman, North Island
- Accipiter*, see Goshawk spp.
- Adzebill, 115, 121
- Aegotheles novaezealandiae*, see Owlet-nightjar, Extinct New Zealand
- Alauda arvensis*, see Skylark
- Albatross, Black-browed, see Mollymawk, Black-browed  
 Buller's, see Mollymawk, Buller's  
 Light-mantled Sooty, 82, 194, 204, 207, 209  
 North Pacific spp., 194  
 Northern Royal, 21, 81, 125, 156  
 Pacific, see Mollymawk, Northern Buller's  
 Sooty, 126  
 Southern Royal, 81, 125  
 spp., 194, 204  
 Wandering, 81, 125, 126, 204, 237  
 Waved, 194  
 White-capped, see Mollymawk, White-capped
- Alectoris rufa*, see Partridge, Red-legged
- Anarhynchus frontalis*, see Wrybill
- Anas aucklandica chlorotis*, see Teal, Brown  
*castanea*, see Teal, Chestnut  
*clypeata*, see Shoveler, Northern  
*gracilis*, see Teal, Grey  
*platyrhynchos*, see Mallard  
*rhynchotis variegata*, see Shoveler, New Zealand  
*superciliosa*, see Duck, Grey
- Anomalopteryx didiformis*, see Moa, Little Bush
- Anser* sp., see Goose, Domestic
- Anthornis melanura*, see Bellbird
- Anthus novaeseelandiae*, see Pipit, New Zealand
- Apteryx australis*, see Kiwi, Brown  
*a. australis*, see Kiwi, South Island Brown  
*a. mantelli*, see Kiwi, North Island Brown  
*baastii*, see Kiwi, Great Spotted  
*owenii*, see Kiwi, Little Spotted  
 sp., see Kiwi sp.

- Aptornis defossor*, see Adzebill  
*Ardea novaehollandiae*, see Heron, White-faced  
*Arenaria interpres*, see Turnstone  
*Athene albifacies*, see Owl, Laughing  
*Aythya novaeseelandiae*, see Scaup, New Zealand
- BAREA, L.P.; WAAS, J.R.; THOMPSON, K. Nest site characteristics of New Zealand Falcons (*Falco novaeseelandiae*) in a forested habitat, 213-218  
 BATTLE, P.F.; PIERSMA, T. Body composition of Lesser Knots (*Calidris canutus rogersi*) preparing to take off on migration from northern New Zealand, 137-150  
 BEAUCHAMP, A.J. The decline of the North Island Weka (*Gallirallus australis greyi*) in the East Cape and Opotiki Regions, North Island, New Zealand, 27-35  
 Sudden death of Weka (*Gallirallus australis*) on Kawau Island, New Zealand, 165-170  
 BEAVEN, B.M. Observation of a Long-tailed Cuckoo (*Eudynamis taitensis*) as a predator of Tomtit (*Petroica macrocephala toitoi*) nestlings, 264-265  
 BELL, D., see ROBERTSON, C.J.R.; ROBERTSON, G.G.; BELL, D.  
 Bellbird, 107, 117, 122, 200  
 Bird of Paradise, 177-184  
   Sicklebill spp., 177-184  
   Superb, 177-184  
   Twelve-wired, 181  
   Yellow-breasted, 177-184  
 Bittern, Australasian, 87  
 Blackbird, 105, 106, 109, 110, 130, 200, 211  
*Botaurus stellaris poiciloptilus*, see Bittern, Australasian  
*Bowdleria punctata vealeae*, see Fernbird, North Island  
 Bowerbird, 194  
 BRAGER, S., see DOHERTY, J.L.; BRAGER, S.  
*Branta canadensis*, see Goose, Canada  
 BROWN, K.P.; MILLER, C. Bird deaths from hip-chain cotton entanglement, 109-110  
*Bubulcus ibis*, see Egret, Cattle  
 Bunting, Cirl, 108
- Cacatua galerita*, see Cockatoo, Sulphur-crested  
*roseicapilla*, see Galah
- Calidris*, see Sandpiper  
   *acuminata*, see Sandpiper, Sharp-tailed  
   *alba*, see Sanderling  
   *alpina*, see Dunlin  
   *canutus*, see Knot, Lesser  
   *c. canutus*, see Knot, Lesser  
   *c. islandica*, see Knot, Lesser

- c. rogersi*, see Knot, Lesser  
*ferruginea*, see Sandpiper, Curlew  
*melanotos*, see Sandpiper, Pectoral  
*paramelanotus*, see Sandpiper, Cox's  
*ruficollis*, see Stint, Red-necked  
*tenuirostris*, see Knot, Great  
*Callaeas c. cinerea*, see Kokako, South Island  
*c. wilsoni*, see Kokako, North Island  
Callaeidae, 177, 182  
*Callipepla californica*, see Quail, California  
*Carduelis carduelis*, see Goldfinch  
*chloris*, see Greenfinch  
*flammea*, see Redpoll  
*Catharacta skua lonnbergi*, see Skua, Brown  
Chaffinch, 108  
CHALLIES, C.N., see McLEAN, I.G.; ABEL, M.; CHALLIES, C.N.;  
HEPPELTHWAITE, S.; LYALL, J.; RUSS, R.B.  
*Charadrius*, see Plover or Dotterel  
*bicinctus*, see Dotterel, Banded  
*biaticula*, see Plover, Ringed  
*leschenaultii*, see Dotterel, Large Sand  
*melanops*, see Dotterel, Black-fronted  
*mongolus*, see Dotterel, Mongolian  
*obscurus*, see Dotterel, New Zealand  
*Chionis* spp., see Sheathbill spp.  
*Chlidonias leucopterus*, see Tern, White-winged Black  
*Chrysococcyx l. lucidus*, see Cuckoo, Shining  
*Circus approximans*, see Harrier, Australasian  
CLASSIFIED SUMMARISED NOTES, North Island 1 July 1995 to 30 June 1996,  
compiled by G.R. Parrish and J.W. Lock, 79-109  
CLIFFORD, H.J.; LAWRIE, D.A. New and rare bird records for Raoul Island, 171-  
173  
*Cnemiornis calcitrans*, see Goose, Extinct New Zealand  
Cockatoo, Sulphur-crested, 103  
COLBOURNE, R.M.; ROBERTSON, H.A. Successful translocations of Little  
Spotted Kiwi (*Apteryx owenii*) between offshore islands of New  
Zealand, 253-258  
*Columba livia*, see Pigeon, Rock  
COOK, W.A. The destruction by storm of the Australasian Gannet (*Morus  
serrator*) colony at Farewell Spit, 174-175  
Coot, Australian, 92  
New Zealand Extinct, 118, 121  
Cormorant, Brandt's, 53, 54  
spp., 219, 225, 226  
Corvoidea, 182

- Corvus frugilegus*, see Rook  
 Crane, Spotless, 92  
 Creeper, Brown, 133  
 Cuckoo, 264  
     Long-tailed, 105, 199, 212, 264-265  
     Shining, 105  
*Cuculus canorus*, see Cuckoo  
 Curlew, Eastern, 98, 224  
     Eskimo, 36  
*Cyanoramphus auriceps*, see Parakeet, Yellow-crowned  
     *novaezealandiae*, see Parakeet, Red-crowned  
     sp., see Parakeet, sp.  
*Cygnus atratus*, see Swan, Black
- Dabchick, New Zealand, 80, 271, 272  
*Dacelo novaeguineae*, see Kookaburra  
*Daption capense*, see Pigeon, Cape  
 DARBY, J.T., see SCHWEIGMAN, P.; DARBY, J.T.  
 DAVIES, S. Population structure, morphometrics, moult, migration, and  
     wintering of the Wrybill (*Anarhynchus frontalis*), 1-14  
 Dicruridae, 268  
 DILKS, P.J., see GRANT, A.D.; POWLESLAND, R.G.; DILKS, P.J.; FLUX, I.A.;  
     TISDALL, C.J.  
*Dinornis giganteus*, see Moa  
     *novaezealandiae*, see Moa, Large Bush  
     *struthoides*, see Moa, Slender  
*Diomedea bulleri*, see Mollymawk, Buller's  
     *b. bulleri*, see Mollymawk, Southern 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  
     *chlororhynchos*, see Mollymawk, Yellow-nosed  
     *cbrysostoma*, see Mollymawk, Grey-headed  
     *e. epomophora*, see Albatross, Southern Royal  
     *e. sanfordi*, see Albatross, Northern Royal  
     *exulans*, see Albatross, Wandering  
     *melanophrys*, see Mollymawk, Black-browed  
     *m. impavida*, see Mollymawk, New Zealand Black-browed  
     *m. melanophrys*, see Mollymawk, Black-browed  
     sp., see Albatross or Mollymawk sp.  
 DOHERTY, J.L.; BRAGER, S. The breeding population of Spotted Shags  
     (*Stictocarbo p. punctatus*) on Banks Peninsula: 36 years later, 49-56  
 Dotterel, Banded, 1, 36, 95, 185-193, 211, 219, 222, 224-230  
     Black-fronted, 36, 95, 224, 271, 272

- Eurasian, 36
- Large Sand, 95
- Mongolian, 95
- New Zealand, 1, 12, 13, 60, 94-95, 211
- sp., 1, 130
- Dove, Barbary, 103
  - Spotted, 103
- Drepanornis*, see *Epimachus*
- Duck, Blue, 89, 91, 115
  - Finsch's, 111, 114-124, 200
  - Grey, 89, 169, 211, 224
  - Paradise, see Shelduck, Paradise
  - sp., 212
- Dunlin, 36, 147
- Eagle, Haast's, 115, 118, 120, 121
- Egret, Cattle, 87, 211, 271, 272
  - Little, 86
- Egretta alba*, see Heron, White
  - garzetta*, see Egret, Little
  - sacra*, see Heron, Reef
- Election of Fellows, P.C. Bull, E.G. Turbott, 129-132.
- Emberiza cirrus*, see Bunting, Cirl
  - citrinella*, see Yellowhammer
- Eopsaltridae, see Robin, Australasian spp.
- Epimachus*, see Bird of Paradise, Sicklebill spp.
  - albertisi*, see Sicklebill, Buff-tailed
  - bruijnii*, see Sicklebill, Pale-billed
  - fastuosus*, see Sicklebill, Black
  - meyeri*, see Sicklebill, Brown
- Eudromias morinellus*, see Dotterel, Eurasian
- Eudynamys taitensis*, see Cuckoo, Long-tailed
- Eudyptes pachyrhynchus*, see Penguin, Fiordland Crested
- Eudyptula albosignata*, see Penguin, Canterbury White-flipped
  - minor albosignata*, see Penguin, Blue
  - m. minor*, see Penguin, Blue
  - m. variabilis*, see Penguin, Blue
- Euryanas finschi*, see Duck, Finsch's
- Falco novaeseelandiae*, see Falcon, New Zealand
- Falcon, New Zealand, 91, 213-218
- Fantail, 133, 268
  - North Island, 107
- Fernbird, North Island, 106-107
- Finch, spp., 133

- FLUX, I.A., see GRANT, A.D.; POWLESLAND, R.G.; DILKS, P.J.; FLUX, I.A.; TISDALL, C.J.
- Flycatcher, Satin, 268
- Fowl, Domestic, 211
- FREEMAN, A.N.D. The influence of Hoki fishing vessels on Westland Petrel (*Procellaria westlandica*) distribution at sea, 159-164
- Fregata ariel*, see Frigatebird, Lesser
- Frigatebird, Lesser, 201, 204, 205
- Fringilla coelebs*, see Chaffinch
- FRITH, C.B. Huia (*Heteralocha acutirostris*: Callaeidae) - like sexual bill dimorphism in some birds of paradise (Paradisaeidae) and its significance, 177-184
- Fulica atra australis*, see Coot, Australian
- prisca*, see Coot, New Zealand
- Fulmar, Antarctic, 83, 204
- Fulmarus glacialisoides*, see Fulmar, Antarctic
- Galah, 104
- Gallirallus australis*, see Weka
- a. greyi*, see Weka, North Island
- Gallus gallus*, see Fowl, Domestic
- Gannet, Australasian, 84, 174-175, 201, 206-208, 210, 211
- Gelochelidon nilotica*, see Tern, Gull-billed
- Gerygone igata*, see Warbler, Grey
- Godwit, Asiatic Black-tailed, 99
- Bar-tailed, 138
- Eastern Bar-tailed, 13, 98-99
- Goldfinch, 108
- Goose, Canada, 88-89, 224
- Domestic, 211
- Extinct New Zealand, 200
- Goshawk, spp., 216
- GRANT, A.D.; POWLESLAND, R.G.; DILKS, P.J.; FLUX, I.A.; TISDALL, C.J.
- Mortality, distribution, numbers and conservation of the Chatham Island Pigeon (*Hemiphaga novaeseelandiae chatbamensis*), 65-77
- Grebe, Australasian Little, 80
- Greenfinch, 106, 108, 130
- Greenshank, 99
- Gull, Black-backed, 54, 87, 100, 174, 206, 208, 210, 211, 219, 222, 224-226
- Black-billed, 100, 101, 206, 208, 219, 222, 224-230
- Red-billed, 100, 206, 208-210, 229, 237
- Southern Black-backed, see Gull, Black-backed
- sp., 130, 135, 136, 204, 222, 226
- Gymnorhina tibicen*, see Magpie, Australian

- Haematopus ostralegus finschi*, see Oystercatcher, South Island Pied  
*unicolor*, see Oystercatcher, Variable
- Halcyon sancta vagans*, see Kingfisher, New Zealand
- Halobaena caerulea*, see Petrel, Blue
- HAMILTON, S.A.; MOLLER, H.; ROBERTSON, C.J.R. Distribution of Sooty Shearwater (*Puffinus griseus*) breeding colonies along the Otago Coast, New Zealand, with indication of nationwide population trends, 15-25
- Harpagornis moorei*, see Eagle, Haast's
- Harrier, Australasian, 61, 91, 101, 102, 211, 216
- Hemipbaga novaeseelandiae chathamensis*, see Pigeon, Chatham Island  
*n. novaeseelandiae*, see Pigeon, New Zealand
- HEPPELTHWAITE, S., see McLEAN, I.G.; ABEL, M.; CHALLIES, C.N.; HEPPELTHWAITE, S.; LYALL, J.; RUSS, R.B.
- Heron, Black-crowned Night, 152  
 Nankeen Night, 87, 152-155  
 Reef, 86-87  
 White, 86  
 White-faced, 86, 224
- Heteralocha acutirostris*, see Huia
- Himantopus b. leucocephalus*, see Stilt, Pied  
*novaezelandiae*, see Stilt, Black  
 sp., see Stilt, Hybrid
- Hirundapus caudacutus*, see Swift, Spine-tailed
- Hirundo tabitica neoxena*, see Swallow, Welcome
- HOCKEN, A.G. Plumage and bill morphology variations in a population of the Blue Penguin (*Eudyptula minor*), 259-263
- HUGHEY, K.F.D. The diet of the Wrybill (*Anarhynchus frontalis*) and the Banded Dotterel (*Charadrius bicinctus*) on two braided rivers in Canterbury, New Zealand, 185-193
- Huia, 177, 178, 181-183
- Hymenolaimus malacorhynchus*, see Duck, Blue
- Ibis, Glossy, 88
- IMBER, M.J. (Compiler), Recent Literature, 194-200
- Instructions to authors, 62-64
- Jaeger, spp., 134-136 (see also Skua spp.)
- JAMES, D., see REID, T.; JAMES, D.
- Kagu, 197
- Kaka, 115  
 North Island, 104
- Kakapo, 115, 117, 118, 119, 122, 198

- Kea, 115, 200  
 Kereru, see Pigeon, New Zealand  
 Kingfisher, New Zealand, 105, 212  
 Kiwi, Brown, 115, 197  
     Great Spotted, 115, 118, 197  
     Little Spotted, 115, 253-258  
     North Island Brown, 80  
     sp., 114, 119, 197  
 Knot, Great, 97  
     Lesser, 13, 97, 137-150, 172-173  
 Kokako, 115, 133  
     North Island, 108  
 Kookaburra, 105  
  
*Larus bulleri*, see Gull, Black-billed  
     *d. dominicanus*, see Gull, Black-backed  
     *novaehollandiae scopulinus*, see Gull, Red-billed  
     spp., see Gull, spp.  
 LAWRIE, D.A., see CLIFFORD, H.J.; LAWRIE, D.A.  
*Leucocarbo carunculatus*, see Shag, King  
     *chalconotus*, see Shag, Stewart Island  
*Limosa lapponica baueri*, see Godwit, Eastern Bar-tailed  
     *limosa melanuroides*, see Godwit, Asiatic Black-tailed  
*Loboparadisea serica*, see Bird of Paradise, Yellow-breasted  
 LOCK, J.W., see PARRISH, G.R.; LOCK, J.W.  
*Lophorina superba*, see Bird of Paradise, Superb  
 LÖVEI, G.L., see MARSH, N.; LÖVEI, G.L.  
*Lugensa brevirostris*, see Petrel, Kerguelen  
 LYALL, J., see McLEAN, I.G.; ABEL, M.; CHALLIES, C.N.; HEPPELTHWAITE, S.;  
     LYALL, J.; RUSS, R.B.  
  
*Macronectes giganteus*, see Petrel, Southern Giant  
     *balli*, see Petrel, Northern Giant  
     sp., see Petrel, Giant  
 Magpie, 104  
     Australian, 109, 110, 211  
 Mallard, 89, 211, 224  
 MALONEY, R.F.; REBERGEN, A.L.; NILSSON, R.J.; WELLS, N.J. Bird density and  
     diversity in braided riverbeds in the Upper Waitaki Basin, South Island,  
     New Zealand, 219-232  
 MARSH, N.; LÖVEI, G.L. The first confirmed breeding by the Nankeen Night  
     Heron (*Nycticorax caledonicus*) in New Zealand, 152-155  
 McLEAN, I.G.; ABEL, M.; CHALLIES, C.N.; HEPPELTHWAITE, S.; LYALL, J.; RUSS,  
     R.B. The Fiordland Crested Penguin (*Eudyptes pachyrhynchus*) survey.  
     Stage V: Mainland coastline, Bruce Bay to Yates Point, 37-47

- MEDWAY, D.G. White-faced Storm Petrel (*Pelagodroma marina*) eating offal, 26  
*Megadyptes antipodes*, see Penguin, Yellow-eyed  
*Megalapteryx didinus*, see Moa, Upland  
MILLER, C., see BROWN, K.P.; MILLER, C.  
Moa, 60, 114-118, 200  
    Crested, 119-121  
    Giant, 117, 118, 132  
    Heavy-footed, 120  
    Large Bush, 118, 119, 121, 122  
    Little Bush, 118, 121, 122  
    Slender, 118-120  
    Stout-legged, 121  
    Upland, 118, 119, 121  
*Moboua albicilla*, see Whitehead  
    *ochrocephala*, see Yellowhead  
Mohua, see Yellowhead  
MOLLER, H., see HAMILTON, S.A.; MOLLER, H.; ROBERTSON, C.J.R.  
Mollymawk, Black-browed, 81, 125, 126, 204  
    Buller's, 82, 125, 126, 156, 206, 208  
    *cauta* subspp., 204  
    Chatham Island, 81, 125-128  
    Grey-backed, see Mollymawk, Salvin's  
    Grey-headed, 81, 204  
    New Zealand Black-browed, 81, 125, 126  
    New Zealand White-capped, 81, 125, 156-158, 206, 208  
    Northern Buller's, 156  
    Salvin's, 81, 126, 204  
    Shy, see Mollymawk, White-capped  
    spp., 82, 194, 204  
    Southern Buller's, 125, 126, 195  
    White-capped, 81, 125-127, 156-158  
    Yellow-nosed, 81  
Monarch, Black-faced, 267-269  
*Monarcha melanopsis*, see Monarch, Black-faced  
Morepork, 105, 109, 134, 241, 244  
*Morus serrator*, see Gannet, Australasian  
*Myiagra cyanoleuca*, see Flycatcher, Satin  
Myna, Common, 130, 212  
  
*Nestor meridionalis*, see Kaka  
    *m. meridionalis*, see Kaka, South Island  
    *m. septentrionalis*, see Kaka, North Island  
    *notabilis*, see Kea  
NILSSON, R.J., see MALONEY, R.F.; REBERGEN, A.L.; NILSSON, R.J.; WELLS, N.J.  
*Ninox novaeseelandiae*, see Morepork

- Notiomystis cincta*, see Stitchbird  
*Notornis mantelli*, see *Porphyrio mantelli*  
*Numenius borealis*, see Curlew, Eskimo  
     *madagascariensis*, see Curlew, Eastern  
     *minutus*, see Whimbrel, Little  
     *phaeopus*, see Whimbrel  
     *p. budsonicus*, see Whimbrel, American  
     *p. variegatus*, see Whimbrel, Asiatic  
*Nycticorax caledonicus*, see Heron, Nankeen Night  
     *nycticorax*, see Heron, Black-crowned, Night
- Obituaries: Elizabeth Raewyn Smith (1945-1996), R.N. Thomas, 60  
     Gavin Arthur Terence Darke Woodward (1949-1996), R.N. Thomas, 60  
     Barrie D. Heather (1931-1995), H. Robertson, 270-272
- Oceanites nereis*, see Storm Petrel, Grey-backed  
     *oceanicus*, see Storm Petrel, Wilson's
- Owl, Laughing, 200, 241-252
- Owlet-nightjar, Extinct New Zealand, 118, 119, 122
- Oystercatcher, Canarian Black, 36  
     South Island Pied, 93, 211, 219, 222, 224-227, 229, 230  
     Variable, 12, 93
- Pachycephalidae, see Whistler, spp.
- Pachyornis australis*, see Moa, Crested  
     *elephantopus*, see Moa, Heavy-footed
- Pachyplichas yaldwyni*, see Wren, South Island Stout-legged
- Pachyptila belcheri*, see Prion, Thin-billed  
     *desolata*, see Prion, Antarctic  
     *salvini*, see Prion, Salvin's  
     sp., see Prion sp.  
     *turtur*, see Prion, Fairy  
     *vittata*, see Prion, Broad-billed
- Paradisaeidae, see Bird of Paradise
- Parakeet, Red-crowned, 104, 133  
     sp., 104, 117, 122  
     Yellow-crowned, 133, 199
- Parea, see Pigeon, Chatham Island
- Parotia, Carola's, 177-184  
*Parotia carolae*, see Parotia, Carola's
- PARRISH, G.R.; LOCK, J.W. Classified Summarised Notes, North Island 1 July  
     1995 to 30 June 1996, 79-109
- Partridge, Red-legged, 91
- Passer domesticus*, see Sparrow, House
- Passerine, spp., 133, 212
- Pavo cristatus*, see Peafowl
- Peafowl, 91, 169

- Pedionomus torquatus*, see Plains Wanderer  
*Pelagodroma marina*, see Storm Petrel, White-faced  
*Pelecanoides urinatrix*, see Petrel, Common Diving  
Penguin, Adelie, 237  
    Blue, 16, 40, 84, 206, 208, 211, 259-263  
    Canterbury White-flipped, see Penguin, Blue  
    Fiordland Crested, 37-47  
    Yellow-eyed, 21, 204, 265-266  
Petrel, Antarctic, 204, 207, 209  
    Black, 61, 83, 204, 209, 210  
    Black sp., 83, 204  
    Black-winged, 84, 204  
    Blue, 171, 206-209  
    Common Diving, 83, 206-210  
    Cook's, 206, 208  
    Giant sp., 83, 171, 206, 208  
    Great-winged, 126  
    Grey, 83, 126, 194, 204  
    Grey-faced, 84, 206-211  
    Kerguelen, 83, 206, 208  
    Kermadec, 201, 204, 205  
    Magenta, 60, 66, 70  
    Mottled, 206-209  
    Northern Giant, 171  
    Pycroft's, 84, 204  
    Soft-plumaged, 204, 205  
    Southern Giant, 83, 171, 194  
    spp., 204  
    Westland, 82, 159-164, 204  
    White-chinned, 161, 204  
    White-headed, 84, 206-208  
*Petroica a. australis*, see Robin, South Island  
    *a. longipes*, see Robin, North Island  
    *macrocephala toitoi*, see Tomtit, North Island  
*Phalacrocorax aristotelis*, see Shag, European  
    *carbo*, see Shag, Black  
    *melanoleucos brevirostris*, see Shag, Little  
    *penicillatus*, see Cormorant, Brandt's  
    *sulcirostris*, see Shag, Little Black  
    *varius*, see Shag, Pied  
*Phasianus colchicus*, see Pheasant, Ring-necked  
Pheasant, Ring-necked, 91, 211  
*Philesturnus carunculatus*, see Saddleback  
*Philomachus pugnax*, see Ruff  
*Phoebastria fusca*, see Albatross, Sooty  
    *palpebrata*, see Albatross, Light-mantled Sooty

- PIERSMA, T., see BATTLELY, P.F.; PIERSMA, T.
- Pigeon, Cape, 83, 126, 206, 208  
     Chatham Island, 57, 65-77  
     Feral, see Pigeon, Rock  
     New Zealand, 57-59, 65, 74, 75, 103, 109, 154, 199, 211  
     Rock, 103, 130, 211
- Piopio, New Zealand, 194
- Pipit, New Zealand, 106, 133
- Plains Wanderer, 36
- Platalea regia*, see Spoonbill, Royal
- Platycercus elegans*, see Rosella, Crimson  
     *eximius*, see Rosella, Eastern
- Plegadis falcinellus*, see Ibis, Glossy
- Plover, Grey, 96  
     Pacific Golden, 96  
     Ringed, 12, 13  
     Shore, 12, 14, 96  
     Spur-winged, 93, 96, 211, 224
- Pluvialis fulva*, see Plover, Pacific Golden  
     *squatarola*, see Plover, Grey
- Poliocephalus rufopectus*, see Dabchick, New Zealand
- Porphyrio mantelli*, see Takahē  
     *m. hochstetteri*, see Takahē, South Island  
     *porphyrio melanotus*, see Pukeko
- Porzana tabuensis*, see Crane, Spotless
- POWLESLAND, R.G.; WILLANS, M. "Hard release" of captive-reared New Zealand  
     Pigeons (*Hemiphaga n. novaeseelandiae*), 57-59
- POWLESLAND, R.G., see GRANT, A.D.; POWLESLAND, R.G.; DILKS, P.J.; FLUX,  
     I.A.; TISDALL, C.J.
- Prion, Antarctic, 206, 208  
     Broad-billed, 206, 208  
     Fairy, 83, 206, 208  
     Salvin's, 206, 208  
     sp., 84, 206  
     Thin-billed, 206, 208
- Procellaria aequinoctialis*, see Petrel, White-chinned  
     *cinerea*, see Petrel, Grey  
     *parkinsoni*, see Petrel, Black  
     sp., see Petrel, Black sp.  
     *westlandica*, see Petrel, Westland
- Procellariiformes, 15-25, 26
- Procelsterna cerulea albivitta*, see Ternlet, Grey
- Prosobonia leucoptera*, see Sandpiper, White-winged
- Prosthemadera novaeseelandiae*, see Tui
- Prunella modularis*, see Sparrow, Hedge

- Pterodroma cookii*, see Petrel, Cook's  
*inexpectata*, see Petrel, Mottled  
*lessonii*, see Petrel, White-headed  
*macroptera*, see Petrel, Great-winged  
*m. gouldi*, see Petrel, Grey-faced  
*magentae*, see Petrel, Magenta  
*mollis*, see Petrel, Soft-plumaged  
*neglecta*, see Petrel, Kermadec  
*nigripennis*, see Petrel, Black-winged  
*pycrofti*, see Petrel, Pycroft's
- Ptilonorhynchidae, see Bowerbird
- Ptiloris magnificus*, see Riflebird, Magnificent  
*paradiseus*, see Riflebird, Paradise  
*victoriae*, see Riflebird, Victoria's
- 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  
*tenuirostris*, see Shearwater, Short-tailed
- Pukeko, 92, 130, 195, 196, 211, 224, 237-239
- Pygoscelis adeliae*, see Penguin, Adelie
- Quail, Brown, 91  
 California, 91
- Rail, Banded, 92
- Rallus philippensis*, see Rail, Banded
- REBERGEN, A.L., see MALONEY, R.F.; REBERGEN, A.L.; NILSSON, R.J.; WELLS, N.J.
- Recent Literature, compiled by M.J. Imber, 194-200
- Redpoll, 108
- REID, T.; JAMES, D. The Chatham Island Mollymawk (*Diomedea eremita*) in Australia, 125-128
- REVIEWS: Crocker, T. Photographic Guide to the Waders of the World by D. Rosier & D. Cottridge, 36  
 Chambers, S. The Field Guide to the Birds of New Zealand by B.D. Heather & H.A. Robertson, 133-134  
 Young, E. Skuas and jaegers. A guide to the skuas and jaegers of the world by L.M. Olsen & H. Larsson, 134-136
- Rhipidura fuliginosa placabilis*, see Fantail, North Island
- Rhynocetos jubatus*, see Kagu
- Riflebird, Magnificent, 177-184  
 Paradise, 177-184  
 Victoria's, 177-184

- Rifleman, 117, 122, 200  
 North Island, 106
- ROBERTSON, C.J.R., see HAMILTON, S.A.; MOLLER, H.; ROBERTSON, C.J.R.
- ROBERTSON, C.J.R.; ROBERTSON, G.G.; BELL, D. White-capped Albatross  
*(Thalassarche steadi)* breeding at Chatham Islands, 156-158
- ROBERTSON, G.G., see ROBERTSON, C.J.R.; ROBERTSON, G.G.; BELL, D.
- ROBERTSON, H.A., see COLBOURNE, R.M.; ROBERTSON, H.A.
- Robin, 117-119, 122, 133, 200  
 Australasian spp., 133  
 North Island, 107, 264  
 South Island, 109
- Rook, 109, 130
- Rosella, Crimson, 104, 133  
 Eastern, 104, 133
- Ruff, 36
- RUSS, R.B., see McLEAN, I.G.; ABEL, M.; CHALLIES, C.N.; HEPPELTHWAITE, S.;  
 LYALL, J.; RUSS, R.B.
- RYAN, C. Observations on the breeding behaviour of the Takahe (*Porphyrio  
 mantelli*) on Mana Island, 233-240
- Saddleback, 117-119, 122, 197
- Sanderling, 97
- Sandpiper, Common, 99  
 Cox's, 36  
 Curlew, 97  
 Marsh, 99  
 Pectoral, 97  
 Sharp-tailed, 97, 173  
 Terek, 99  
 White-winged, 36
- Scaup, New Zealand, 90, 224
- Sceloglaux a. albifacies*, see Owl, Laughing  
*a. rufifacies*, see Owl, Laughing
- SCHWEIGMAN, P.; DARBY, J.T. Predation of Yellow-eyed Penguins (*Megadyptes  
 antipodes*) on mainland New Zealand by Hooker's Sealion (*Phocarctos  
 hookeri*), 265-266
- Scolopax rochussenii*, see Woodcock, Obi
- Seabird spp., 15-25, 130, 133, 201-212
- Seleucidis melanoleuca*, see Bird of Paradise, Twelve-wired
- Shag, Black, 84, 85, 204, 224  
 European, 53-55  
 Little, 85, 204, 224  
 Little Black, 85, 204  
 New Zealand King, 200  
 Pied, 84, 85, 206, 208

- Spotted, 49-56, 85-86, 206, 208
- spp., 204, 226
- Shearwater, Buller's, 82, 206-209
  - Flesh-footed, 82, 206, 208
  - Fluttering, 82, 206, 208, 211
  - Fluttering/Hutton's, 204
  - Hutton's, 206, 208-210
  - Little, 82, 109, 206, 208
  - Short-tailed, 82, 206, 208, 209
  - Sooty, 15-25, 82, 126, 196-198, 201, 206-208
  - spp., 204
- Sheathbill spp., 36
- Shelduck, Chestnut-breasted, 89, 172
  - Paradise, 89, 171-172, 211, 224
- Shorebird spp., 1-14, 137-150
- Shoveler, New Zealand, 90, 224
  - Northern, 90
- Sicklebill, Black, 177-184
  - Brown, 177-184
  - Buff-tailed, 177-184
  - Pale-billed, 177-184
- Silktail, 271
- Silveryeye, 91, 107, 130, 200
- Skua, Arctic, 100
  - Brown, 99, 135
  - Long-tailed, 204
  - Pomarine, 100
  - sp., 134-136
- Skylark, 106, 129, 133, 212
- Snipe, South American spp., 36
- Sparrow, Hedge, 106
  - House, 108, 130, 133, 212
- Spoonbill, Royal, 88, 211
- Starling, 91, 108, 130, 200, 211
- Stercorarius longicaudus*, see Skua, Long-tailed
- parasiticus*, see Skua, Arctic
- pomarinus*, see Skua, Pomarine
- Sterna albifrons sinensis*, see Tern, Eastern Little
- albostrigata*, see Tern, Black-fronted
- bergii*, see Tern, Crested
- caspia*, see Tern, Caspian
- fuscata*, see Tern, Sooty
- hirundo longipennis*, see Tern, Eastern Common
- nereis davisae*, see Tern, New Zealand Fairy
- paradisaea*, see Tern, Arctic

- spp., see Tern spp.  
*striata*, see Tern, White-fronted  
*Stictocarbo p. punctatus*, see Shag, Spotted  
 Stilt, Australasian Pied, 93-94, 185, 211, 219, 222, 224-231  
     Black, 94, 185, 192, 219, 221, 222, 224-231  
     Hybrid, 94  
 Stint, Red-necked, 98  
 Stitchbird, 107  
 Storm Petrel, Grey-backed, 204, 205  
     White-faced, 26, 84, 206, 208  
     Wilson's, 84  
*Streptopelia chinensis*, see Dove, Malay Spotted  
     *roseogrisea*, see Dove, Barbary  
*Strigops habroptilus*, see Kakapo  
*Sturnus vulgaris*, see Starling, European  
 Swallow, Welcome, 106  
 Swan, Black, 88, 211, 224  
 Swift, Spine-tailed, 105  
*Synoicus ypsilophorus*, see Quail, Brown  
  
*Tachybaptus novaehollandiae*, see Grebe, Australian Little  
*Tadorna tadornoides*, see Shelduck, Chestnut-breasted  
     *variegata*, see Shelduck, Paradise  
 Taiko, Chatham Island, see Petrel, Magenta  
 Takahe, 195, 196  
     North Island, 113  
     South Island, 113, 115, 118, 119, 121, 132, 233-240  
 Tattler, Siberian, 99  
     spp., 99  
 Tawaki, see Penguin, Fiordland Crested  
 TAYLOR, G.A. Seabirds found dead on New Zealand beaches in 1995, 201-212  
 Teal, Brown, 90, 115  
     Chestnut, 90  
     Grey, 90, 224  
 TENNYSON, A. First record of a Black-faced Monarch (*Monarcha melanopsis*)  
     in New Zealand, 267-269  
 Tern, Arctic, 103, 224  
     Black-fronted, 101, 185, 192, 219-222, 224-232, 271  
     Caspian, 101, 204, 219, 222, 224-228  
     Crested, 103  
     Eastern Common, 103  
     Eastern Little, 102, 133  
     Gull-billed, 101  
     New Zealand Fairy, 102, 133  
     Sooty, 102  
     spp., 204, 222

- White-fronted, 100, 102, 206, 208  
 White-winged Black, 101, 224
- Ternlet, Grey, 103
- Thalassarche*, see Mollymawk spp.
- Thalassoica antarctica*, see Petrel, Antarctic
- Thinornis novaeseelandiae*, see Plover, New Zealand Shore
- THOMPSON, K., see BAREA, L.P.; WAAS, J.R.; THOMPSON, K.
- Thrush, Song, 105, 106, 200, 211
- TISDALL, C.J., see GRANT, A.D.; POWLESLAND, R.G.; DILKS, P.J.; FLUX, I.A.;  
 TISDALL, C.J.
- Tomtit, 133
- North Island, 107, 264-265
- Tringa brevipes*, see Tattler, Siberian
- hypoleucos*, see Sandpiper, Common
- nebularia*, see Greenshank
- stagnatilis*, see Sandpiper, Marsh
- terek*, see Sandpiper, Terek
- Tui, 104, 107-108, 133, 200, 212
- Turdus merula*, see Blackbird
- philomelos*, see Thrush, Song
- Turnagra capensis*, see Piopio, New Zealand
- Turnstone, 97
- Vanellus miles novaehollandiae*, see Plover, Spur-winged
- WAAS, J.R., see BAREA, L.P.; WAAS, J.R.; THOMPSON, K.
- Wader spp., 1-14, 36, 137-150, 185-193, 219-232, 271
- Warbler, Grey, 91, 105, 130
- Waterfowl spp., 219, 225, 226
- Weka, 115-118, 211
- North Island, 27-35, 92, 165-170, 195
- Stewart Island, 196
- Western, 42, 196
- WELLS, N.J., see MALONEY, R.F.; REBERGEN, A.L.; NILSSON, R.J.; WELLS, N.J.
- Whimbrel, American, 98
- Asiatic, 98
- Little, 98
- sp., 98
- Whistler spp., 133
- Whitehead, 107, 133, 264
- WILLANS, M., see POWLESLAND, R.G.; WILLANS, M.
- Woodcock, Obi, 36

- WORTHY, T.H. Fossil deposits in the Hodges Creek Cave System, on the northern foothills of Mt. Arthur, Nelson, South Island, New Zealand, 111-124  
A survey of historical Laughing Owl (*Sceloglaux albifacies*) specimens in museum collections, 241-252
- Wren, South Island Stout-legged, 115  
sp., 117, 122
- Wrybill, 1-14, 96, 185-193, 219-227, 229-231
- Xenicus* sp. see Wren sp.
- Yellowhammer, 108, 130
- Yellowhead, 133, 196-199
- Zosterops lateralis*, see Silvereve
- Compiled by* TIM LOVEGROVE, 6 Deuxberry Ave, Northcote, Auckland, 1309