

Handbook of AUSTRALIAN, NEW ZEALAND & ANTARCTIC BIRDS

Volume 6 Pardalotes to shrike-thrushes

Senior Editors

P.J. Higgins and J.M. Peter

Assistant Editors

G.D. Price and W.K. Steele

Editors

K.Y. Al-Dabbagh	T. Howard
K. Bartram	P.S. Lansley
F.J.G. Copley	J.S. Matthew
M. Considine	R.N. Price
S.J. Cowling	A. Rogers
A.M. Dunn	J.R. Starks
D.W. Eades	A. Williamson
H.M. Gibbs	

*Colour illustrations by P. Marsack, K. Franklin,
P. Slater, N. Day, D.J. Onley and M. Oberhofer*

OXFORD
UNIVERSITY PRESS

OXFORD

UNIVERSITY PRESS

253 Normanby Road, South Melbourne, Victoria 3205, Australia

Oxford University Press is a department of the University of Oxford.

It furthers the University's objective of excellence in research, scholarship, and education by publishing worldwide in

Oxford New York

Athens Auckland Bangkok Bogotá Buenos Aires Calcutta

Cape Town Chennai Dar es Salaam Delhi Florence Hong Kong Istanbul

Karachi Kuala Lumpur Madrid Melbourne Mexico City Mumbai Nairobi

Paris Port Moresby São Paulo Singapore Taipei Tokyo Toronto Warsaw

with associated companies in Berlin Ibadan

OXFORD is a registered trade mark of Oxford University Press
in the UK and certain other countries

© Birds Australia 2002

Colour illustrations © P.R. Marsack, K. Franklin, P.J. Slater,
N. Day, D.J. Onley and M. Oberhofer.

First published 2002

This book is copyright. Apart from any fair dealing for the purposes of private study, research, criticism or review as permitted under the Copyright Act, no part may be reproduced, stored in a retrieval system, or transmitted, in any form or by any means, electronic, mechanical, photocopying, recording or otherwise without prior written permission. Enquiries to be made to Oxford University Press.

Copying for educational purposes

Where copies of part or the whole of the book are made under Part VB of the Copyright Act, the law requires that prescribed procedures be followed. For information, contact the Copyright Agency Limited.

Recommended citation

Higgins, P.J., & J.M. Peter. (Eds) 2002. *Handbook of Australian, New Zealand and Antarctic Birds. Volume 6: Pardalotes to shrike-thrushes.* Oxford University Press, Melbourne.

National Library of Australia

Cataloguing-in-Publication data:

Handbook of Australian, New Zealand and Antarctic birds.

Volume 6.

Includes index.

Bibliography.

ISBN 0 19 553244 9 (set).

ISBN 0 19 553762 9

1. Birds—Australia.

2. Birds—New Zealand.

3. Birds—Antarctica.

I. Higgins, P. J. (Peter Jeffrey), 1959– . II. Peter, John M.

III. Title: Pardalotes to shrike-thrushes.

598

Edited by Venetia Somerset

Designed and typeset by Derrick I. Stone Design, Melbourne

Colour separations by The Image Company, Maryborough, Victoria

Printed in China through The Bookmaker International Ltd.

APPENDIX I

ECTOPARASITES OF AUSTRALIAN, NEW ZEALAND AND ANTARCTIC BIRDS

M.D. Murray^A, R.L. Palma^B, R.L.C. Pilgrim^C and M.D. Shaw^D

INTRODUCTION

This checklist is the second of three units covering the passerine birds. The format followed is the same as previously with the same qualifications for accepting data and for giving avian subspecies.

The list of lice and fleas is not as extensive as in previous lists in this series, which reflects not only the absence of published material but also taxonomic difficulties associated with these groups of ectoparasites. A consequence is that most of the bird lice are identified only as far as genus. Ticks pose a different problem. Aust. passerines are infested by immature stages of ticks that have mammalian hosts when adult. Keys for the identification of immature stages have not been published, so only the genus is given and whether the ticks are larval (L) or nymphal (N). Occasionally, the genus to which a mite belongs is given as 'closest to a genus'; an asterisk (*) next to a generic name indicates where Bishop & Heath (1998) have reported such reservations. The names of mites are given in alphabetical order of the genus.

SELECTED BIBLIOGRAPHY

LICE

- Green, R.H., & R.L. Palma. 1991. *Rec. Queen Vict. Mus.* 100: 1-43.
 Mey, E. 2000. *Rudolstadt Naturhistorische Schriften* 10: 185-200.
 Palma, R.L., & S.C. Barker. 1996. *Zool. Cat. Aust.* 26: 81-247.
 Pilgrim, R.L.C., & R.L. Palma. 1982. *Notornis* 29 (Suppl.): 32.
 Stranger, R.H., & R.L. Palma. 1998. *Rec. West. Aust. Mus.* 19: 169-86.

FLEAS

- Calder, A.A. 1996. *Zool. Cat. Aust.* 28: 136-97.
 Smit, F.G.A.M. 1979. *J. R. Soc. NZ* 9: 143-232.

LOUSE-FLIES

- Maa, T.C. 1966. *Pac. Insects Monogr.* 10: 1-148.
 ———. 1969. *Pac. Insects Monogr.* 20: 1-312.
 ———. 1986. *J. Taiwan Mus.* 39: 83-92.

MITES

- Bishop, D.M., & A.C.G. Heath. 1998. *Surveillance* 25: 13-31.
 Domrow, R. 1987. *Invert. Taxonomy* 1: 817-948.
 ———. 1991. *Invert. Taxonomy* 4: 1283-376.
 ———. 1992. *Invert. Taxonomy* 6: 1459-606.
 ———, & L.N. Lester. 1985. *Aust. J. Zool. Suppl. Ser.* 114: 1-111.

TICKS

- Keirans, J.E. 1984. *US Dept Agric. Misc. Publ.* 1438: 1-1785.
 Roberts, F.H.S. 1970. *Australian Ticks*. CSIRO Publ., Melbourne.

CHECKLIST OF ECTOPARASITES

Family PARDALOTIDAE

Pardalotus punctatus

- LICE: *Myrsidea* sp.
Philoaterus sp.

Pardalotus striatus

- LICE: *Ricinus* sp.
 MITES: *Dermanyssus hirundinus* (Hermann, 1804)

Dasyornis brachypterus

- MITES: *Guntheria coorongensis* (Hirst, 1929)

Sericornis citreogularis

- MITES: *Neoschoengastia posekanyi* Wharton & Hardcastle, 1946

Sericornis frontalis

- FLEAS: *Hoogstraalia vandiemeni* Smit, 1958
 MITES: *Guntheria coorongensis* (Hirst, 1929)
Guntheria pannosa (Domrow, 1960)
Neoschoengastia posekanyi Wharton & Hardcastle, 1946

Neotrombicula comata Domrow, 1961

Neotrombicula novaehollandiae (Hirst, 1929)

Ruandanyssus terpsiphonei Fain, 1957

Sericornis kerri

- MITES: *Ruandanyssus terpsiphonei* Fain, 1957

Acanthornis magnus

- LICE: *Menacanthus* sp.
 FLEAS: *Hoogstraalia vandiemeni* Smit, 1958

Hylacola pyrrophygia

- MITES: *Guntheria coorongensis* (Hirst, 1929)

Chthonicola sagittata

- MITES: *Neoschoengastia posekanyi* Wharton & Hardcastle, 1946

Gerygone igata

- LICE: *Myrsidea* sp.
Ricinus sp.
Philoaterus sp.

LOUSE-

- FLIES: *Ornithomya variegata* Bigot, 1885
 MITES: *Ornithomyssus bursa* (Berlese, 1888)
Ornithomyssus sylviarum (Canestrini & Fanzago, 1877)
Pterodectes sp.
Trouessartia sp.

Gerygone albofrontata

- FLEAS: *Parapsyllus struthophilus* Smit, 1979
Ceratophyllus gallinae (Schrank, 1803)
 MITES: *Ingrassiella* sp.

Gerygone fusca

- LICE: *Ricinus* sp.

Gerygone palpebrosa

- MITES: *Ptilonyssus gerygonae* Domrow, 1969

Acanthiza pusilla

- LICE: *Myrsidea* sp.

A 17 Ashmore Ave, Pymble, New South Wales 2073, Australia
 B Museum of New Zealand, PO Box 467, Wellington, New Zealand
 C Department of Zoology, University of Canterbury, Christchurch 1, New Zealand
 D Department of Zoology & Entomology, University of Queensland, St Lucia, Queensland 4072, Australia

Acanthiza ewingii

LICE: *Myrsidea* sp.
Ricinus mollisoni Rheinwald, 1968

Acanthiza reguloides

MITES: *Ptilonyssus gerygonae* Domrow, 1969

Acanthiza chrysorrhoea

LICE: *Philopterus* sp.

Family PETROICIDAE

Microeca fascians

MITES: *Neoschoengastia posekanyi* Wharton & Hardcastle, 1946
Ptilonyssus microecae Domrow, 1966

Microeca flavigaster

MITES: *Ptilonyssus microecae* Domrow, 1966

Petroica multicolor

LOUSE-

FLIES: *Ornithomya variegata* Bigot, 1885

Petroica macrocephala toitoi, *P. m. macrocephala*

LICE: *Philopterus* sp.

LOUSE-

FLIES: *Ornithomya variegata* Bigot, 1885

Petroica macrocephala chathamensis

FLEAS: *Parapsyllus struthophilus* Smit, 1979

MITES: *Ornithonyssus bursa* (Berlese, 1888)

Petroica macrocephala dannefaerdi

LICE: *Philopterus* sp.

FLEAS: *Pagipsylla galliralli* (Smit, 1965)

Petroica phoenicea

LICE: *Ricinus* sp.

Philopterus sp.

TICKS: *Ixodes* sp. (L)

Petroica rosea

LOUSE-

FLIES: *Ornithomya variegata* Bigot, 1885

MITES: *Ptilonyssus motacillae* Fain, 1956

Petroica australis australis

LICE: *Menacanthus eurysternus* (Burmeister, 1838)

Petroica traversi

FLEAS: *Parapsyllus struthophilus* Smit, 1979

Ceratophyllus gallinae (Schrank, 1803)

Melanodryas vittata

LICE: *Menacanthus eurysternus* (Burmeister, 1838)
Brueelia sp.

LOUSE-

FLIES: *Ornithomya stipituri stipituri* (Schiner, 1868)

Ornithomya areolata Maa, 1986

Ornithomya nigricornis Erichson, 1842

Ornithomya variegata Bigot, 1885

Tregellasia capito

MITES: *Leptotrombidium nissani* (Dumbleton, 1947)

Ptilonyssus dioptromis Fain, 1956

Sternostoma cuculorum Fain, 1956

Tregellasia leucops

MITES: *Leptotrombidium nissani* (Dumbleton, 1947)

Leptotrombidium robustum (Gunther, 1941)

Eopsaltria australis

MITES: *Neoschoengastia posekanyi* Wharton & Hardcastle, 1946

Family ORTHONYCHIDAE

Orthonyx temminckii

MITES: *Ptilonyssus orthonychus* Domrow, 1969

Family POMATOSTOMIDAE

Pomatostomus temporalis

FLEAS: *Echidnophaga gallinacea* (Westwood, 1875)

MITES: *Leptotrombidium nissani* (Dumbleton, 1947)

Neocnemidocoptes sp.

Neoschoengastia americana (Hirst, 1921)

Neoschoengastia posekanyi Wharton & Hardcastle, 1946

Odontacarus australiensis (Hirst, 1925)

Odontacarus mccullochi (Womersley, 1944)

Odontacarus sp.

Passerrhinoptes pomatostomi Domrow, 1966

Pomatostomus superciliosus

LICE: *Brueelia* sp.

MITES: *Kytodites* sp.

Family CINCLOSOMATIDAE

Psophodes olivaceus

MITES: *Ptilonyssus psophodae* Domrow, 1964

Cinclosoma punctatum

LICE: *Brueelia* sp.

Philopterus sp.

Family NEOSITTIDAE

Daphoenositta chrysoptera

MITES: *Sternostoma neosittae* Domrow, 1969

Family PACHYCEPHALIDAE

Mohoua albicilla

LICE: *Myrsidea* sp.

Brueelia sp.

Philopterus sp.

LOUSE-

FLIES: *Ornithomya variegata* Bigot, 1885

Mohoua novaeseelandiae

MITES: *Analges* sp.

Pterodectes sp.

Oreoica gutturalis

MITES: *Sternostoma cuculorum* Fain, 1956

Pachycephala olivacea

LICE: *Menacanthus eurysternus* (Burmeister, 1838)

Myrsidea sp.

Brueelia sp.

FLEAS: *Hoogstraalia vandiemeni* Smit, 1958

Pachycephala inornata

LICE: *Philopterus* sp.

Pachycephala pectoralis

LICE: *Myrsidea pachycephalae* Palma & Klockenkoff, 1988

Brueelia sp.

- MITES: *Neoschoengastia posekanyi* Wharton & Hardcastle, 1946
Ornithonyssus sylvaticum (Canestrini & Fanzago, 1877)
Ptilonyssus colluricinclae Domrow, 1964
Ptilonyssus motacillae Fain, 1956
Ruandanyssus terpsiphonei Fain, 1957

Pachycephala pectoralis ashbyi

- LICE: *Myrsidea pachycephalae* Palma & Klockenkoff, 1988

Pachycephala pectoralis glaucura

- LICE: *Myrsidea pachycephalae* Palma & Klockenkoff, 1988

Pachycephala simplex

- MITES: *Ptilonyssus colluricinclae* Domrow, 1964
Ruandanyssus terpsiphonei Fain, 1957

Pachycephala rufiventris

- MITES: *Leptotrombidium nissani* (Dumbleton, 1947)
Neoschoengastia americana (Hirst, 1921)
Neoschoengastia posekanyi Wharton & Hardcastle, 1946

Odontacarus australiensis (Hirst, 1925)

Ptilonyssus motacillae Fain, 1956

Ruandanyssus terpsiphonei Fain, 1957

Colluricincla megarhyncha

- MITES: *Leptotrombidium nissani* (Dumbleton, 1947)
Leptotrombidium robustum (Gunther, 1941)
Ptilonyssus colluricinclae Domrow, 1964
Sternostoma cuculorum Fain, 1956

TICKS: *Ixodes* sp. (N)

Colluricincla harmonica

- LICE: *Menacanthus eurysternus* (Burmeister, 1838)

Myrsidea sp.

Brueelia sp.

Philopterus sp.

MITES: *Leptotrombidium nissani* (Dumbleton, 1947)

Leptotrombidium robustum (Gunther, 1941)

Ptilonyssus colluricinclae Domrow, 1964

TICKS: *Ixodes* sp. (N)