

MALLOPHAGA AND ANOPLURA OF SUBANTARCTIC ISLANDS¹

By Theresa Clay and Christopher Moreby²

The following table shows the distribution of Mallophaga and Anoplura and their respective hosts.

CROZET	SOUTH GEORGIA	HEARD	KERGUELEN	MACQUARIE	PRINCE EDWARD (INC. MARION)	<i>MALLOPHAGA</i>
SPHENISCIFORMES						
<i>Aptenodytes patagonica</i>		+				* <i>Austrogoniodes brevipes</i> (Giebel, 1876) * <i>Nesiotinus demersus</i> Kellogg, 1903
<i>Aptenodytes forsteri</i>	+					* <i>Austrogoniodes mawsoni</i> Harrison, 1937
<i>Pygoscelis papua</i>	+					* <i>Austrogoniodes gressitti</i> Clay, 1967 <i>A. keleri</i> Clay, 1967 <i>A. macquariensis</i> Harrison, 1937
<i>Pygoscelis adeliae</i>						* <i>A. antarcticus</i> Harrison, 1937 <i>A. bifasciatus</i> (Piaget, 1885)
<i>Pygoscelis antarctica</i>		+				<i>A. gressitti</i> Clay, 1967 <i>A. macquariensis</i> Harrison, 1937
<i>Eudyptes crestatus</i>	+	+		+		* <i>A. concii</i> (Kéler, 1952) * <i>A. cristati</i> Kéler, 1952
			+			* <i>A. hamiltoni</i> Harrison, 1937
				+		* <i>A. macquariensis</i> Harrison, 1937 * <i>A. keleri</i> Clay, 1967
<i>Eudyptes chrysolophus</i>		+		+		* <i>A. bicornutus</i> (Kéler, 1954) <i>A. macquariensis</i> Harrison, 1937
		+		+		<i>A. keleri</i> Clay, 1967 <i>A. concii</i> (Kéler, 1952)
	+	+	+			<i>A. cristati</i> Kéler, 1952 ° <i>A. demersus</i> Kéler, 1952
						<i>A. gressitti</i> Clay, 1967
<i>Eudyptes c. schlegeli</i>		+		+		<i>A. hamiltoni</i> Harrison, 1937 <i>A. ?stratheus</i> Harrison, 1915
		+		+		* <i>A. cristati</i> Kéler, 1952
<i>Eudyptes pachyrhynchus</i>				+		<i>Austrogoniodes concii</i> (Kéler, 1952) <i>A. hamiltoni</i> Harrison, 1937 <i>A. macquariensis</i> Harrison, 1937

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²British Museum (Natural History). London SW7, England.

	CROZET	SOUTH GEORGIA	HEARD	KERGUELLEN	MACQUARIE	PRINCE EDWARD (INC. MARION)	
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PROCELLARIIFORMES							
<i>Diomedea exulans</i>	+					* <i>Austromenopon affine</i> (Piaget, 1890) * <i>Perineus concinnoides</i> Kéler, 1957 * <i>Paraclysis hyalina</i> (Neumann, 1911) * <i>Harrisoniella hopkinsi</i> Eichler, 1952 <i>H. sp.</i> Nymphs only * <i>Naubates fuliginosus</i> (Taschenberg, 1882) * <i>Episbates pederiformis</i> (Dufour, 1835) * <i>Docophoroides brevis</i> (Dufour, 1835) <i>Austromenopon affine</i> (Piaget, 1890) * <i>Perineus circumfasciatus</i> Kéler, 1957 * <i>Paraclysis diomedae</i> (J.C. Fabricius, 1775) * <i>Harrisoniella ferox</i> (Giebel, 1867) * <i>Docophoroides harrisoni</i> Waterston, 1917 <i>D. simplex</i> (Waterston, 1914) <i>Austromenopon affine</i> (Piaget, 1890) <i>Perineus circumfasciatus</i> Kéler, 1957 sens. lat. <i>Paraclysis diomedae</i> (J.C. Fabricius, 1775) <i>Docophoroides harrisoni</i> Waterston, 1917 <i>D. simplex</i> (Waterston, 1914) * <i>Paraclysis diomedae</i> (J.C. Fabricius, 1775) <i>Naubates fuliginosus</i> (Taschenberg, 1882) <i>Perineus circumfasciatus</i> Kéler, 1957	
<i>Diomedea melanophris</i>	+	+	+	+	+		
<i>Diomedea chrysostoma</i>	+						
<i>Phoebetria fusca</i>							
<i>Phoebetria palpebrata</i>	+		+	+			
<i>Macronectes giganteus</i>				+			
<i>Daption capense</i>				+	+		
<i>Fulmarus glacialisoides</i>			+				
<i>Halobaena caerulea</i>				+			

	CROZET SOUTH GEORGIA HEARD KERGUELEN MACQUARIE PRINCE EDWARD (INC. MARION)	
<i>Pachyptila salvini</i>		No records
<i>Pachyptila forsteri</i>		<i>Ancistriona</i> sp. <i>Paraclytis diomedae</i> (J.C. Fabricius, 1775) <i>Bedfordiella simsi</i> Timmermann, 1961. <i>Naubates prioni</i> (Enderlein, 1908)
<i>Pachyptila belcheri</i>		* <i>Saemundssonia desolata</i> Timmermann, 1959 <i>Austromenopon stammeri</i> Timmermann, 1963 <i>Naubates prioni</i> (Enderlein, 1908) <i>Saemundssonia desolata</i> Timmermann, 1959
<i>Pachyptila desolata</i>	+ + + + + + +	<i>Ancistriona</i> sp. <i>Longimenopon galeatum</i> Timmermann, 1957. * <i>Naubates prioni</i> (Enderlein, 1908) <i>Halipeurus turtur</i> Edwards, 1961 * <i>Saemundssonia desolata</i> Timmermann, 1959 * <i>Austromenopon stammeri</i> Timmermann, 1963 <i>Naubates prioni</i> (Enderlein, 1908) * <i>Halipeurus turtur</i> Edwards, 1961 <i>Saemundssonia desolata</i> Timmermann, 1959
<i>Pachyptila turtur</i>	+ +	No records * <i>Austromenopon oschei</i> Timmermann, 1963 <i>Ancistriona</i> sp. * <i>Pseudonirmus lugubris</i> (Taschenberg, 1882) <i>Saemundssonia nivea</i> Timmermann, 1956 * <i>Austromenopon longithoracum</i> (Piaget, 1880) <i>Naubates fuliginosus</i> (Taschenberg, 1882) <i>Trabeculus hexacon</i> (Waterston, 1914) <i>Ancistriona</i> sp. <i>Naubates fuliginosus</i> (Taschenberg, 1882) * <i>Trabeculus hexacon</i> (Waterston, 1914) <i>Docophoroidea simplex</i> (Waterston, 1914) <i>Austromenopon paululum</i> (Kellogg & Chapman, 1899) <i>Halipeurus diversus</i> (Kellogg, 1896) <i>Trabeculus hexacon</i> (Waterston, 1914) * <i>Naubates pterodromi</i> Bedford, 1930 <i>Naubates heteroproctus</i> Harrison, 1937 * <i>Halipeurus procillariae</i> (J. C. Fabricius, 1775) <i>Trabeculus schillingi</i> Rudow, 1866 * <i>Naubates heteroproctus</i> Harrison, 1937 <i>Halipeurus procillariae</i> (J. C. Fabricius, 1775) <i>Trabeculus schillingi</i> Rudow, 1866 <i>Saemundssonia</i> sp. * <i>Bedfordiella unica</i> Thompson, 1937 * <i>Saemundssonia pterodromae</i> Timmermann, 1959
<i>Procellaria aequinoctialis</i>	+ + +	<i>Halipeurus procillariae</i> (J. C. Fabricius, 1775) <i>Trabeculus schillingi</i> Rudow, 1866 * <i>Naubates heteroproctus</i> Harrison, 1937 <i>Halipeurus procillariae</i> (J. C. Fabricius, 1775) <i>Trabeculus schillingi</i> Rudow, 1866 <i>Saemundssonia</i> sp. * <i>Bedfordiella unica</i> Thompson, 1937 * <i>Saemundssonia pterodromae</i> Timmermann, 1959
<i>Puffinus griseus</i>	+	<i>Halipeurus procillariae</i> (J. C. Fabricius, 1775) <i>Trabeculus schillingi</i> Rudow, 1866 * <i>Naubates heteroproctus</i> Harrison, 1937 <i>Halipeurus procillariae</i> (J. C. Fabricius, 1775) <i>Trabeculus schillingi</i> Rudow, 1866 <i>Saemundssonia</i> sp. * <i>Bedfordiella unica</i> Thompson, 1937 * <i>Saemundssonia pterodromae</i> Timmermann, 1959
<i>Pterodroma macroptera</i>	+	<i>Halipeurus procillariae</i> (J. C. Fabricius, 1775) <i>Trabeculus schillingi</i> Rudow, 1866 * <i>Naubates heteroproctus</i> Harrison, 1937 <i>Halipeurus procillariae</i> (J. C. Fabricius, 1775) <i>Trabeculus schillingi</i> Rudow, 1866 <i>Saemundssonia</i> sp. * <i>Bedfordiella unica</i> Thompson, 1937 * <i>Saemundssonia pterodromae</i> Timmermann, 1959
<i>Pterodroma lessonii</i>	+	<i>Halipeurus procillariae</i> (J. C. Fabricius, 1775) <i>Trabeculus schillingi</i> Rudow, 1866 * <i>Naubates heteroproctus</i> Harrison, 1937 <i>Halipeurus procillariae</i> (J. C. Fabricius, 1775) <i>Trabeculus schillingi</i> Rudow, 1866 <i>Saemundssonia</i> sp. * <i>Bedfordiella unica</i> Thompson, 1937 * <i>Saemundssonia pterodromae</i> Timmermann, 1959
<i>Pterodroma brevirostris</i>	+	<i>Halipeurus procillariae</i> (J. C. Fabricius, 1775) <i>Halipeurus heraldicus</i> Timmermann, 1960 * <i>Trabeculus schillingi</i> Rudow, 1866 * <i>Saemundssonia enderleini</i> (Eichler, 1949)
<i>Pterodroma mollis</i>	+	<i>Halipeurus procillariae</i> (J. C. Fabricius, 1775) <i>Halipeurus heraldicus</i> Timmermann, 1960 * <i>Trabeculus schillingi</i> Rudow, 1866 * <i>Saemundssonia enderleini</i> (Eichler, 1949)

	CROZET	SOUTH GEORGIA	HEARD	KERGUELEN	MACQUARIE	PRINCE EDWARD (INC. MARION)
<i>Pagodroma nivea</i>						<i>Austromenopon daptionis</i> (Eichler, 1949) <i>Ancistronea</i> sp. * <i>Pseudonirmus charcoti</i> (Neumann, 1907)
<i>Oceanites oceanicus</i>	+					* <i>Saemundssonia nivea</i> Timmermann, 1956 <i>Halipeurus pelagicus</i> (Denny, 1842) * <i>Philoceanus robertsi</i> (Clay, 1940)
<i>Fregetta tropica</i>						<i>Saemundssonia marina</i> Timmermann, 1956 <i>Halipeurus pelagicus</i> (Denny, 1842) * <i>Philoceanus fasciatus</i> (Carriker, 1958)
<i>Garrodia nereis</i>			+			* <i>Philoceanus garrodiae</i> (Clay, 1940) * <i>Saemundssonia nereis</i> Timmermann, 1950
<i>Pelecanoides georgicus</i>	+	+				* <i>Pelmatocerandra enderleini</i> Eichler, 1949
<i>P. "georgicus" of 15. IV.1963 16. pro- bably wrongly iden- tified.</i>	+					<i>P. setosa</i> (Giebel, 1876)
<i>Pelecanoides u. urinatrix</i>			+	+	+	<i>Halipeurus falsus pacificus</i> Edwards, 1961
<i>Pelecanoides urinatrix exsul</i>	+		+			<i>Pelmatocerandra setosa</i> (Giebel, 1876) <i>Austromenopon ellioti</i> Timmermann, 1954 * <i>Pelmatocerandra setosa</i> (Giebel, 1876)
PELECANIFORMES						No records
<i>Phalacrocorax verrucosus</i>						* <i>Piagetiella caputincisa</i> (Eichler, 1950)
<i>Phalacrocorax atriceps</i>	+					<i>Pectinopygus turbinatus</i> (Piaget, 1890) <i>Eidmanniella pellucida</i> (Rudow, 1869)
<i>Phalacrocorax albiventer</i>		+				<i>Piagetiella caputincisa</i> (Eichler, 1950) <i>Pectinopygus turbinatus</i> (Piaget, 1890)
ANSERIFORMES						
<i>Anas acuta</i>						<i>Trinoton querquedulae</i> (Linn., 1758) <i>Holomenopon</i> sp.
<i>Anas georgicus</i>	+		+			<i>Anaticola crassicornis</i> (Scopoli, 1763) <i>Anatoecus dentatus</i> (Scopoli, 1763) <i>A. icterodes</i> (Nitzsch, 1818)
<i>Anas superciliosa</i>		+				<i>A. sp.</i> Nymphs and ♀ only. <i>A. sp.</i> ♀ only.
<i>Chloephaga leucoptera</i>						<i>Trinoton querquedulae</i> (Linn., 1758) <i>Holomenopon</i> sp.
"Teal"	+					<i>Anatoecus dentatus</i> (Scopoli, 1763) <i>A. icterodes</i> (Nitzsch, 1818)
CHARADRIIFORMES						* <i>Anaticola marginella</i> (Piaget, 1885)
<i>Chionis alba</i>	+					<i>Anatoecus</i> sp.
<i>Chionis minor</i>		+	+	+		<i>Anaticola</i> sp. Nymph only.
		+		+		
	+		+	+		
						* <i>Quadraceps ornatus antarcticus</i> Timmermann, 1952
						<i>Actornithophilus pauliani</i> Séguy, 1954
						* <i>Quadraceps vaginalis</i> Timmermann, 1963
						* <i>Saemundssonia australis</i> Timmermann, 1955.

	CROZET	SOUTH GEORGIA	HEARD	KERGUELLEN	MACQUARIE	PRINCE EDWARD (INC. MARION)
<i>Catharacta skua</i>		+				<i>Austromenopon fuscofasciatum</i> grp. <i>Haffneria grandis</i> (Piaget, 1880) <i>Quadraceps alpha</i> (Kellogg, 1914) <i>Saemundssonia stresemanni</i> Timmermann, 1949 <i>Austromenopon transversum</i> (Denny, 1842) <i>Actornithophilus piceus</i> (Denny 1842) sens. lat.
	+	+	+	+		* <i>Quadraceps ornatus fuscolaminatus</i> (Enderlein, 1908) <i>Q. punctatus sublingulatus</i> Timmermann, 1952 <i>Saemundssonia lari</i> (O. Fabricius, 1780) <i>Quadraceps houri</i> Hopkins, 1949 <i>Q. sellatus</i> (Burmeister, 1838) <i>Saemundssonia sternae</i> (Linn., 1758)
<i>Larus dominicanus</i>			+	+		
	+				+	
<i>Sterna vittata</i>			+	+		
			+	+		
<i>Sterna virgata</i>				+		
<i>Sterna macrura</i>						
GRUIFORMES						
<i>Gallirallus australis</i>						<i>Pseudomenopon</i> sp. * <i>Rallicola harrisoni</i> Emerson, 1958
PASSERIFORMES						
<i>Anthus antarcticus</i>						No records
<i>Acanthis cannabina</i>						No records
<i>Sturnus vulgaris</i>						* <i>Myrsidea cucullaris</i> (Nitzsch, 1818) * <i>Menacanthus mutabilis</i> Blagoveshtchensky 1940 * <i>M. himalayicus</i> Ansari, 1951 * <i>Brueelia nebulosa</i> (Burmeister, 1838) * <i>Sturnidoecus sturni</i> (Schrink, 1776)
CARNIVORA						ANOPLURA
(Pinnipedia)						
Otariidae (Otariinae)						
<i>Phocarcos hookeri</i>						<i>Antarctophthirus microchir</i> Trouessart & Neumann, 1888
Otariidae						
(Arctocephalinae)						
<i>Arctocephalus tropicalis</i>						No record
<i>Arctocephalus forsteri</i>						No record
Phocidae (Monachinae)						
<i>Leptonychotes weddelli</i>						<i>Antarctophthirus ogmorrhini</i> Enderlein, 1906
<i>Lobodon carcinophagus</i>						* <i>A. lobodontis</i> Enderlein, 1906
<i>Hydrurga leptonyx</i>						* <i>A. ogmorrhini</i> Enderlein, 1906
<i>Ommatophoca rossi</i>						* <i>A. mawsoni</i> Harrison, 1937
Phocidae (Cystophorinae)						
<i>Mirounga leonina</i>	+	+		+		* <i>Lepidophthirus macrorhini</i> Enderlein, 1904.

*Type host of species

^oMay = ^o*A. struthetus* Harrison, 1915, see Clay, 1967: 153.