

Ectoparasites from Nepal birds^{1,4}

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INTRODUCTION

Ectoparasite occurrence in Nepal birds has received little attention. Worth and Shah (1969) provided a list of 17 birds collected in Nepal, but identified ectoparasites only as lice, fleas, Ascodipteron Diptera, Trombiculid, Laelapid and Listrophorid mites, and ticks. Detailed descriptions of several ticks from birds collected in Nepal also include information on ecology of the parasite and parasite distribution. Hoogstraal *et al.* (1973) described the tick *Ixodes ovatus* collected from the Kalij Pheasant (*Lophura leucomelana*) in Nepal, and Kohls *et al.* (1970) reported on *Ixodes mitchelli* that parasitizes the Monal Pheasant (*Lophophorus impejanus*) and the Snow Partridge (*Lerwa lerwa*). Hoogstraal and Mitchell (1971) described the tick *Haemaphysalis aponommoides* found on numerous domestic and wild mammals and the Monal Pheasant.

Distribution of ectoparasites, other than the ticks mentioned above, among Nepal birds is not available. As field chief of the Nepal Ectoparasite Programme, the senior author collected 152 species of birds of which 78 were infested with ectoparasites. This paper provides

a list (Table 1) of all ectoparasites from birds collected in Nepal from 1966 to 1972.

Most birds examined during the Nepal Ectoparasite Survey were captured in Japanese mist nets. Galliformes were obtained by shooting. Birds were collected throughout the 75 districts of the Kingdom of Nepal (see Karan 1960, p. 9).

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ECTOPARASITES FROM NEPAL BIRDS

TABLE 1
HOST-PARASITE RELATIONSHIPS FROM NEPAL

HOST-PARASITES	NUMBER OF BIRDS COLLECTED	NUMBER OF PARASITES COLLECTED
Mallard (<i>Anas platyrhynchos</i>)	2	
Mallophaga: <i>Anaticola crassicornis</i>		1
Common Merganser (<i>Mergus merganser</i>)	1	
Mallophaga: <i>Anaticola crassicornis</i>		1
Blackwinged Kite (<i>Elanus caeruleus</i>)	1	
Acarina: <i>Ornithonyssus bursa</i>		1
Pariah Kite (<i>Milvus migrans</i>)	2	
Mallophaga:		
<i>Craspedorrhynchus spathulatus</i>		1
<i>Degeeriella regalis</i>		1
<i>Laemobothrion maximum</i>		1
Sparrow-hawk (<i>Accipiter nisus</i>)	1	
Mallophaga: <i>Craspedorrhynchus nisi</i>		1
Redbreasted Falconet (<i>Microhierax caerulescens</i>)	3	
Mallophaga: <i>Falcolius jordani</i>		2
Diptera: <i>Phthona leptoptera</i>		2
Kestrel (<i>Falco tinnunculus</i>)	1	
Mallophaga		
<i>Degeeriella rufarufa</i>		1
<i>Laemobothrion tinnunculi</i>		1
Snow Partridge (<i>Lerwa lerwa</i>)	16	
Mallophaga		
<i>Chelopistes lervicola</i>		8
<i>Colinicola meinertzhageni</i>		7
<i>Lagopoecus meinertzhageni</i>		1
<i>Menacanthus</i> sp.		4
Acarina		
<i>Argas himalayensis</i>		1
<i>Ixodes mitchelli</i>		3
Chukor Partridge (<i>Alectoris chukar</i>)	4	
Mallophaga		
<i>Cuculogaster obscurior</i>		1
<i>Goniocotes alatus</i>		1
<i>Gonoides dispar</i>		1
Black Partridge (<i>Francolinus francolinus</i>)	14	
Mallophaga		
<i>Cuculogaster theresae</i>		3
<i>Goniocotes</i> sp.		5
<i>Lipeurus</i> sp.		4
<i>Menacanthus kalatitar</i>		4

HOST-
Menacanthus
Menopon
Anoplura:
Siphonaptera
Acarina
 Haemaphysalis
 Haemaphysalis
Grey Partridge
Mallophaga
 Goniocotes
 Menacanthus
Siphonaptera
Acarina
 Haemaphysalis
 Haemaphysalis
 Haemaphysalis
Rufous-throated
Mallophaga
 Amyrsidea
 Menacanthus
 Oxylypeus
Blood Pheasant
Mallophaga
 Amyrsidea
 Goniocotes
 Gonoides
 Lagopoecus
 Oxylypeus
Diptera:
Satyr Tragedy
Mallophaga
 Goniocotes
 Goniocotes
 Goniocotes
 Lagopoecus
 Oxylypeus
 Oxylypeus
Monal Pheasant
Mallophaga
 Amyrsidea
 Goniocotes
 Goniocotes
 Goniocotes

HOST-PARASITES	NUMBER OF BIRDS COLLECTED	NUMBER OF PARASITES COLLECTED
<i>Menacanthus</i> sp.		1
<i>Menopon interpositum</i>		1
Anoplura: <i>Hoplopleura maniculata</i>		1
Siphonaptera: <i>Ctenocephalides felis orientis</i>		1
Acarina		
<i>Haemaphysalis bispinosa</i>		6
<i>Haemaphysalis</i> sp.		
Grey Partridge (<i>Francolinus pondicerianus</i>)	5	
Mallophaga		
<i>Goniocotes</i> sp.		2
<i>Menacanthus</i> sp.		2
Siphonaptera: <i>Ctenocephalides felis orientis</i>		1
Acarina		
<i>Haemaphysalis bispinosa</i>		1
<i>Haemaphysalis montgomeryi</i>		1
<i>Haemaphysalis</i> sp.		1
Rufousthroated Hill Partridge (<i>Arborophila rufogularis</i>)	1	
Mallophaga		
<i>Amyrsidea eibeli</i>		1
<i>Menacanthus</i> sp.		1
<i>Oxylipeurus formosanus</i>		1
Blood Pheasant (<i>Ithaginis cruentus</i>)	13	
Mallophaga		
<i>Amyrsidea</i> sp.		1
<i>Goniocotes</i> sp.		4
<i>Gonoides ithaginis</i>		5
<i>Lagopoecus</i> sp.		5
<i>Oxylipeurus baileyi</i>		5
Diptera: <i>Ornithomya avicularia</i>		1
Satyr Tragopan (<i>Tragopan satyra</i>)	4	
Mallophaga		
<i>Goniocotes haplogonus</i>		1
<i>Goniocotes diplogonus</i>		2
<i>Gonoides eurygaster</i>		1
<i>Gonoides spinicornis</i>		3
<i>Lagopoecus</i> sp.		1
<i>Oxylipeurus baileyi</i>		1
<i>Oxylipeurus himalayensis</i>		3
Monal Pheasant (<i>Lophophorus impejanus</i>)	26	
Mallophaga		
<i>Amyrsidea</i> sp.		3
<i>Goniocotes haplogonus</i>		18
<i>Gonoides eurygaster</i>		23
<i>Gonoides ithaginis</i>		1

ECTOPARASITES FROM NEPAL BIRDS

HOST-PARASITES	NUMBER OF BIRDS COLLECTED	NUMBER OF PARASITES COLLECTED
<i>Gonoides megaceros</i>		2
<i>Lagopoecus heterotypus</i>		13
<i>Lagopoecus</i> sp.		1
<i>Menacanthus</i> sp.		1
<i>Oxylipeurus baileyi</i>		1
<i>Oxylipeurus himalayensis</i>		22
Acarina		1
<i>Haemaphysalis aponommoides</i>		3
<i>Haemaphysalis warburtoni</i>		7
<i>Ixodes mitchelli</i>		
Kalij Pheasant (<i>Lophura leucomelana</i>)	10	
Mallophaga		1
<i>Goniocotes creber</i>		2
<i>Gonoides dentatus</i>		2
<i>Gonoides</i> sp.		1
<i>Lipeurus introductus</i>		
Acarina		2
<i>Haemaphysalis bispinosa</i>		1
<i>Haemaphysalis nepalensis</i>		1
<i>Haemaphysalis wellingtoni</i>		1
<i>Haemaphysalis</i> sp.		
Red Junglefowl (<i>Gallus gallus</i>)	13	
Mallophaga		5
<i>Gonoides dissimilis</i>		6
<i>Lipeurus caponis</i>		9
<i>Menopon gallinae</i>		
Anoplura		1
<i>Linognathus vituli</i>		1
<i>Polyplax asiatica</i>		3
Diptera: <i>Icosta maquilingsensis</i>		
Acarina		1
<i>Argas hermanni</i>		1
<i>Haemaphysalis anomala</i>		6
<i>Haemaphysalis bispinosa</i>		1
<i>Haemaphysalis canestrinii</i>		1
<i>Haemaphysalis indica</i>		5
<i>Haemaphysalis minuta</i>		1
<i>Haemaphysalis montgomeryi</i>		1
<i>Haemaphysalis spinigera</i>		4
<i>Haemaphysalis wellingtoni</i>		4
<i>Haemaphysalis</i> sp.		1
<i>Rhipicephalus haemaphysaloides</i>		
Common Peafowl (<i>Pavo cristatus</i>)	11	
Mallophaga		4
<i>Amyrsidea minuta</i>		

HOST-PARASITES	NUMBER OF BIRDS COLLECTED	NUMBER OF PARASITES COLLECTED
<i>Amyrsidea phaeostoma</i>		2
<i>Colpocephalum tausi</i>		4
<i>Goniocotes rectangularis</i>		1
<i>Goniocotes</i> sp.		2
<i>Gonoides meinertzhageni</i>		1
<i>Gonoides pavonis</i>		4
<i>Lipeurus pavo</i>		4
Diptera: <i>Ornithoica bistativa</i>		1
Acarina		
<i>Haemaphysalis bispinosa</i>		6
<i>Haemaphysalis doenitzi</i>		1
<i>Haemaphysalis howletti</i>		1
<i>Haemaphysalis minuta</i>		2
<i>Haemaphysalis spinigera</i>		3
<i>Haemaphysalis wellingtoni</i>		1
<i>Haemaphysalis</i> sp.		2
Common Bustard-Quail (<i>Turnix suscitator</i>)	5	
Mallophaga: <i>Turnicola angustissimus</i>		3
Redwattled Lapwing (<i>Vanellus indicus</i>)	4	
Mallophaga		
<i>Actornithophilus hoplopteri</i>		2
<i>Quadriceps hoplopteri</i>		1
<i>Quadriceps dasi</i>		1
<i>Saemundssonina africana</i>		1
Acarina: <i>Haemaphysalis</i> sp.		1
Spurwinged Lapwing (<i>Vanellus spinosus</i>)	4	
Mallophaga		
<i>Actornithophilus hoplopteri</i>		3
<i>Quadriceps hoplopteri</i>		5
<i>Austromenopon</i> sp.		1
Acarina		
<i>Dermacentor</i> sp.		1
<i>Haemaphysalis bispinosa</i>		1
<i>Haemaphysalis spinigera</i>		1
Little Ringed Plover (<i>Charadrius dubius</i>)	1	
Mallophaga: <i>Quadriceps bicuspis</i>		1
River Tern (<i>Sterna aurantia</i>)	1	
Mallophaga: <i>Quadriceps insignis</i>		1
Snow Pigeon (<i>Columba leuconota</i>)	9	
Mallophaga		
<i>Colocerus</i> sp.		3
<i>Columbicola tschulyschman</i>		6
<i>Campanulotes heteroceros</i>		2

ECTOPARASITES FROM NEPAL BIRDS

HOST-PARASITES	NUMBER OF BIRDS COLLECTED	NUMBER OF PARASITES COLLECTED
Siphonaptera: <i>Callopsylla geminus</i>		1
Rock Dove (<i>Columba livia</i>)	5	
Mallophaga		
<i>Colocerus</i> sp.		1
<i>Columbicola columbae bacillus</i>		2
Diptera: <i>Pseudolynchia canariensis</i>		5
Ashy Wood Pigeon (<i>Columba pulchricollis</i>)	2	
Mallophaga: <i>Columbicola columbae bacillus</i>		1
Acarina: <i>Laelaps algericus</i>		1
Rufous Turtle Dove (<i>Streptopelia orientalis</i>)	5	
Mallophaga		
<i>Colocerus</i> sp.		1
<i>Columbicola orientalis</i>		5
Diptera: <i>Pseudolynchia canariensis</i>		1
Acarina: <i>Falculifer restratus</i>		1
Collared Turtle Dove (<i>Streptopelia decaocto</i>)	1	
Mallophaga: <i>Columbicola columbae bacillus</i>		1
Emerald Dove (<i>Chalcophaps indica</i>)	2	
Mallophaga		
<i>Colocerus</i> sp.		1
<i>Columbicola guimaraesi</i>		2
Blossomheaded Parakeet (<i>Psittacula cyanocephala</i>)	1	
Mallophaga: <i>Menacanthus</i> sp.		1
Slatyheaded Parakeet (<i>Psittacula himalayana</i>)	1	
Mallophaga: <i>Echionophilopterus</i> sp.		1
Sirkeer Cuckoo (<i>Taccocua leschenaultii</i>)	4	
Mallophaga: <i>Cuculicola</i> sp.		1
Acarina		
<i>Haemaphysalis bispinosa</i>		2
<i>Haemaphysalis howletti</i>		1
<i>Haemaphysalis indica</i>		1
<i>Haemaphysalis</i> sp.		1
<i>Laelaps algericus</i>		1
Coucal (<i>Centropus sinensis</i>)	6	
Mallophaga: <i>Cuculiphilus snodgrassi</i>		1
Acarina		
<i>Haemaphysalis bispinosa</i>		4
<i>Haemaphysalis doenitzi</i>		4
<i>Haemaphysalis minuta</i>		2
<i>Haemaphysalis spinigera</i>		1
Brown Fish Owl (<i>Ketupa zeylonensis</i>)	2	
Mallophaga		
<i>Colpocephalum turbinatus</i>		1

HOST-PARASITES	NUMBER OF BIRDS COLLECTED	NUMBER OF PARASITES COLLECTED
<i>Strigiphilus bramae</i>		1
Acarina: <i>Haemaphysalis</i> sp.		1
Barred Owl (<i>Glaucidium cuculoides</i>)	3	
Mallophaga: <i>Kurodaia deignani</i>		2
Acarina: <i>Haemaphysalis doenitzi</i>		1
Brown Wood Owl (<i>Strix leptogrammica</i>)	1	
Mallophaga: <i>Strigiphilus ketupae</i>		1
Acarina: <i>Haemaphysalis bispinosa</i>		1
Indian Jungle Nightjar (<i>Caprimulgus indicus</i>)	1	
Mallophaga: <i>Mulcticola</i> sp.		1
Acarina: <i>Hyalomma</i> sp.		1
Crested Swift (<i>Hemiprocne longipennis</i>)	2	
Anoplura: <i>Hoplopleura pacifica</i>		1
Common Kingfisher (<i>Alcedo atthis</i>)	1	
Mallophaga: <i>Alcedoffula alcedinis</i>		1
Whitebreasted Kingfisher (<i>Halcyon smyrnensis</i>)	2	
Mallophaga: <i>Alcedoecus annularis</i>		1
Anoplura: <i>Hoplopleura pacifica</i>		1
Little Green Bee-eater (<i>Merops orientalis</i>)	1	
Mallophaga		
<i>Bruelia</i> sp.		1
<i>Meropoecus caprai</i>		1
<i>Meromenopon</i> sp.		1
Green Barbet (<i>Megalaima zeylanica</i>)	2	
Mallophaga: <i>Penenirmus zeylanicus</i>		1
Bluethroated Barbet (<i>Megalaima asiatica</i>)	1	
Mallophaga		
<i>Colpocephalum fregili</i>		1
<i>Myrsidea insolita</i>		1
<i>Phlopterus</i> sp.		1
Striated Swallow (<i>Cecropis daurica</i>)	1	
Acarina: <i>Pellonyssus viator</i>		1
Blackheaded Oriole (<i>Oriolus xanthornus</i>)	1	
Acarina: <i>Ornithonyssus sylviarum</i>		1
Black Drongo (<i>Dicrurus adsimilis</i>)	2	
Mallophaga: <i>Bruelia</i> sp.		1
Yellowbilled Blue Magpie (<i>Urocissa flavirostris</i>)	3	
Mallophaga		
<i>Menacanthus kalatitar</i>		2
<i>Phlopterus extraneus</i>		1
Acarina		
<i>Pterodectes leioplax</i>		1
<i>Proctophyllodes</i> sp.		2

ECTOPARASITES FROM NEPAL BIRDS

	HOST-PARASITES	NUMBER OF BIRDS COLLECTED	NUMBER OF PARASITES COLLECTED
	Redbilled Blue Magpie (<i>Urocissa erythrorhyncha</i>)	3	
Sig	Mallophaga		
Rock	<i>Myrsidea</i> sp.		1
M:	<i>Philoaterus</i> sp.		2
	Acarina: <i>Haemaphysalis</i> sp.		1
D:	Indian Tree Pie (<i>Dendrocitta vagabunda</i>)	4	
	Mallophaga		
Ash:	<i>Bruelia meinertzhageni</i>		1
M	<i>Bruelia</i> sp.		1
A	<i>Philoaterus</i> sp.		2
Ruf	Diptera: <i>Ornithophila metallica</i>		1
M	Nutcracker (<i>Nucifraga caryocatactes</i>)	1	
	Mallophaga		
	<i>Menacanthus merisui</i>		1
I	<i>Myrsidea brunea</i>		1
A	Redbilled Chough (<i>Pyrhrocorax pyrrhrocorax</i>)	3	
Co:	Mallophaga		
M	<i>Bruelia biguttata</i>		1
Er:	<i>Menacanthus</i> sp.		1
J	<i>Myrsidea</i> sp.		1
	<i>Philoaterus</i> sp.		1
	<i>Philoaterus thryptocerphalus</i>		1
Bl:	House Crow (<i>Corvus splendens</i>)	1	
	Mallophaga		
Sl:	<i>Bruelia saliem</i>		1
	<i>Colpocephalum fregili</i>		1
Si:	<i>Myrsidea insolita</i>		1
	Jungle Crow (<i>Corvus macrorhynchos</i>)	2	
	Mallophaga		
	<i>Bruelia saliem</i>		1
	<i>Myrsidea shirakii</i>		1
	<i>Philoaterus extraveus</i>		1
	<i>Philoaterus</i> sp.		1
C	Raven (<i>Corvus corax</i>)	3	
	Mallophaga: <i>Myrsidea anaspila</i>		1
	Whitecheeked Bulbul (<i>Pycnonotus leucogenys</i>)	1	
	Mallophaga: <i>Bruelia</i> sp.		1
	Jungle Babbler (<i>Turdoides striatus</i>)	10	
	Mallophaga		
	<i>Bruelia mahrastan</i>		5
	<i>Bruelia</i> sp.		1
	<i>Myrsidea satbhai</i>		6
	<i>Myrsidea</i> sp.		1

HOST-PARASITES
Acarina
<i>Haemaphysalis</i>
<i>Haemaphysalis</i>
Whitethroated I
Mallophaga
<i>Bruelia</i> sp.
<i>Myrsidea</i> sp.
<i>Myrsidea</i> sp.
Streaked Laugh
Mallophaga:
Acarina
<i>Laelaps al</i>
<i>Ornithonyss</i>
<i>Proterothrix</i>
Plaincoloured I
Mallophaga:
Acarina: <i>Ixo</i>
Blackfaced Lau
Acarina: <i>Arg</i>
Redheaded Lau
(G)
Mallophaga:
Acarina: <i>Ixo</i>
Hoary Barwing
Siphonaptera:
Redbreasted FI
Acarina: <i>Pro</i>
Orangebarred L
Siphonaptera:
Magpie-Robin
Acarina: <i>Ha</i>
Bluefronted Re
Siphonaptera:
Blue Whistling
Mallophaga
<i>Menacanthu</i>
<i>Myrsidea</i> sp.
<i>Philoaterus</i>
Acarina: <i>Ha</i>
Golden Mount

NUMBER OF PARASITES COLLECTED	HOST-PARASITES	NUMBER OF BIRDS COLLECTED	NUMBER OF PARASITES COLLECTED
	Acarina		
	<i>Haemaphysalis bispinosa</i>		2
	<i>Haemaphysalis</i> sp.		6
1	Whitethroated Laughing Thrush	4	
2	(<i>Garrulax albogularis</i>)		
1	Mallophaga		
	<i>Bruelia</i> sp.		1
	<i>Myrsidea satbhai</i>		1
	<i>Myrsidea</i> sp.		1
1	Streaked Laughing Thrush (<i>Garrulax lineatus</i>)	16	
1	Mallophaga: <i>Bruelia sehri</i>		4
2	Acarina		
1	<i>Laelaps algericus</i>		1
	<i>Ornithonyssus bursa</i>		1
	<i>Proterothrix</i> sp.		2
1	Plaincoloured Laughing Thrush	1	
1	(<i>Garrulax subunicolor</i>)		
	Mallophaga: <i>Myrsidea</i> sp.		1
	Acarina: <i>Ixodes acutitarsus</i>		1
1	Blackfaced Laughing Thrush (<i>Garrulax affinis</i>)	10	
1	Acarina: <i>Argas</i> sp.		1
1	Redheaded Laughing Thrush	1	
1	(<i>Garrulax erythrocephalus</i>)		
	Mallophaga: <i>Menacanthus</i> sp.		1
	Acarina: <i>Ixodes acutitarsus</i>		1
1	Hoary Barwing (<i>Actinodura nipalensis</i>)		
1	Siphonaptera: <i>Macrostylophora lupata</i>		1
1	Redbreasted Flycatcher (<i>Ficedula parva</i>)	1	
	Acarina: <i>Proctophyllodes</i> sp.		1
1	Orangebarred Leaf Warbler (<i>Phylloscopus pulcher</i>)	1	
1	Siphonaptera: <i>Ceratophyllus gallinae</i>		1
1	Magpie-Robin (<i>Copsychus saularis</i>)	1	
1	Acarina: <i>Haemaphysalis</i> sp.		1
1	Bluefronted Redstart (<i>Phoenicurus frontalis</i>)	4	
	Siphonaptera: <i>Ceratophyllus enefdei</i>		1
1	Blue Whistling Thrush (<i>Myophonus caeruleus</i>)	2	
	Mallophaga		
	<i>Menacanthus</i> sp.		1
	<i>Myrsidea satbhai</i>		1
	<i>Philopterus thryptocerphalus</i>		1
5	Acarina: <i>Haemaphysalis anomala</i>		1
1	Golden Mountain Thrush (<i>Zoothera dauma</i>)	11	
6			
1			

ECTOPARASITES FROM NEPAL BIRDS

HOST-PARASITES	NUMBER OF BIRDS COLLECTED	NUMBER OF PARASITES COLLECTED
Mallophaga		
<i>Bruelia daumae</i>		1
<i>Menacanthus</i> sp.		1
<i>Philopterus</i> sp.		1
<i>Saemundssonina africana</i>		1
Siphonaptera: <i>Callopsylla fusca</i>		2
Acarina		
<i>Haemaphysalis bispinosa</i>		3
<i>Haemaphysalis indica</i>		1
<i>Haemaphysalis minuta</i>		1
<i>Haemaphysalis spinigera</i>		2
<i>Haemaphysalis</i> sp.		3
<i>Ixodes</i> sp.		2
Whitecollared Blackbird (<i>Turdus albocinctus</i>)	2	
Mallophaga: <i>Philopterus</i> sp.		1
Redthroated Thrush (<i>Turdus ruficollis</i>)	1	
Mallophaga: <i>Philopterus</i> sp.		1
Acarina		
<i>Haemaphysalis bispinosa</i>		1
<i>Haemaphysalis minuta</i>		1
Wren (<i>Troglodytes troglodytes</i>)	2	
Mallophaga		
<i>Penenirmus zeylanicus</i>		1
<i>Penenirmus</i> sp.		1
Brown Dipper (<i>Cinclus pallasii</i>)	1	
Mallophaga: <i>Myrsidea</i> sp.	1	1
Rufousbellied Crested Tit (<i>Parus rubidiventris</i>)		
Siphonaptera: <i>Ceratopsyllus gallinae</i>		1
Hodgson's Tree Pipit (<i>Anthus hodgsoni</i>)	10	
Mallophaga: <i>Menacanthus</i> sp.		1
Acarina		
<i>Haemaphysalis bispinosa</i>		1
<i>Haemaphysalis nepalensis</i>		1
<i>Haemaphysalis spinigera</i>		1
Large Pied Wagtail (<i>Motacilla maderaspatensis</i>)	2	
Mallophaga		
<i>Bruelia</i> sp.		1
<i>Myrsidea</i> sp.		1
Acarina: <i>Hyalomma</i> sp.		1
Yellowthroated Sparrow (<i>Petronia xanthocollis</i>)	2	
Mallophaga: <i>Bruelia</i> sp.		1
Acarina: <i>Proctophyllodes</i> sp.		1
Common Rosefinch (<i>Carpodacus erythrinus</i>)	14	

HOST-PARASITES

Mallophaga

Bruelia sp.

Philopterus

Siphonaptera

Callopsylla

Ceratophyl

Acarina

Ixodes mi

Dermanyss

Nepal Rosefinch

 Mallophaga:

 Acarina: *Ixo*

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PARASITES
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HOST-PARASITES	NUMBER OF BIRDS COLLECTED	NUMBER OF PARASITES COLLECTED
Mallophaga		
<i>Bruelia</i> sp.		3
<i>Philopterus</i> sp.		6
Siphonaptera		
<i>Callopsylla fusca</i>		5
<i>Ceratophyllus enefdei</i>		1
Acarina		
<i>Ixodes mitchelli</i>		2
<i>Dermanyssus</i> sp.		1
Nepal Rosefinch (<i>Carpodacus nipalensis</i>)	5	
Mallophaga: <i>Philopterus</i> sp.		1
Acarina: <i>Ixodes berlesei</i>		1

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