APPENDICES

1. Bird and mammal records from Nepal

2. Bird and mammal records from the return journey

Copies of the Expedition's Report are available from Mike Rands, EGI, Zoology Dept., Oxford.

Bird report by Chris Bowden
The University of East Anglia Nepal Expedition 1973-73 drove overland to Nepal to undertake a zoological study of the South-East Lowlands. It remained abroad for 7 months and returned to Britain by Container Ship from Bombay.

The grasslands of SE Nepal were surveyed and their vertebrate fauna investigated. Particular emphasis was placed on the status of 2 endangered species, the pygmy hog *Sus salvanius* and the hispid hare *Caprolagus hispidus*, and their habitat. Neither species was discovered and all remaining areas of their habitat were considered to be in too poor a condition to support them. A subjective assessment was made of the effects of habitat deterioration on the other mammals and birds and the results suggested several already unusual species will soon disappear.

A collection of 73 small mammals was made in Nepal and is lodged with the British Museum (Natural History) in London. It contains 11 species including the first record of Crump's mouse *Diomys crumpi* and the third record of the grey shrew *Crocidura attenuata* for Nepal. Parasites were collected from the small mammals and are currently being examined. They include a flea from the grey shrew which is probably a previously unknown species or sub-species.

465 species of bird and 34 species of mammal were seen during the Expedition including several valuable and interesting records from Nepal, such as the most westerly record in existence of the yellow-throated leaf warbler *Phylloscopus cantator*, and the Indian Ocean.

The long wheel base Land Rover performed superbly and the few difficulties we had were quickly overcome. We suffered no major health problems, minor ailments were effectively treated and, therefore, short lived. Total expenditure (including vehicle purchase) came to £5,401, over half of which was provided in cash and kind by 50 sponsors.
GREAT CRESTED GREBE - Podiceps cristatus

West side of kosi barrage 3+ 24/1/79

COMMON CORMORANT - Phalacrocorax carbo

R. Rapti near Tiger Tops, Chitwan. several 17/11/78
Saura, Chitwan 70+ 18/11/78
Chatra, R. Kosi 5 22/11/78
Nr. Fatepur, R. Kosi 40 21/1/79
4km. N. of Kosi barrage 50+ 23/1/79

and singles elsewhere above the dam.

PIGMY CORMORANT - Phalacrocorax pygmaeus

Kosi barrage, above dam 1 17/1/79
E. side of Kosi barrage 2 24/1/79

GREY HERON - Ardea cinerea

R. Rapti, nr. Tiger Tops, Chitwan 1 17/11/78
5km. S. of Chatra, R. Kosi 1 23/12/78
R. Kosi nr. Fatepur 1 20/1/79

PURPLE HERON - Ardea purpurea

Kosi barrage, E. Marsh 2 17/1/79
Kosi barrage, W. side 2, E. side 2 24/1/79

LITTLE GREEN HERON - Butorides striatus

5km. E. of Biratnagar 1 29/12/78

INDIAN POND HERON - Ardeola grayi

Widespread throughout areas visited.
Never more than 25 together.

CATTLE EGRET - Bubuculus ibis

Widespread throughout areas visited. Flocks of up to 80 seen in K.V. and nr. Fatepur by R. Kosi.
GREAT WHITE EGRET - *Egretta alba*

R. Rapti nr. Tiger Tops, Chitwan 1 17/11/78
Thatchland 5km. W. of Damak 1 16/12/78
Trijuga valley, 10km. N. of Fatepur 1 20/12/78
E. side of Kosi barrage 2 21/1/78

LITTLE EGRET - *Egretta parzetta*

Widespread throughout terai and K.V.
Generally less numerous than Cattle Egret (*B. ibis*)

INTERMEDIATE EGRET - *Egretta intermedea*

Scattered singles along E-W highway. Also noted
by R. Kankai, R. Kosi and Trijuga valley.

OPEN-BILLED STORK - *Anastomus oscitans*

Saura, Chitwan 15+ 14/11/78
30 km. W. of Lahan 3 30/12/78
Kosi barrage max. 40 feeding on meadows E. of dam 17/1/79
Also seen on other dates.

WHITE NECKED STORK - *Ciconia episcopus*

Quite a few in scattered parties of up to 5 in the terai.

BLACK STORK - *Ciconia nigra*

R. Kankai, 10km. N. of E-W highway 4 26/11/78
(family party?)

Damak 1 18/12/78
5km. S. of Chatra 1 23/12/78

BLACK NECKED STORK - *Xenorhynchus asiaticus*

Saura, Chitwan singles on 15 & 16/11/78
Chakrapur, R. Kosi 2 20/1/79
circling high, descended into paddifield.
Kosi barrage, W. side 1 24/1/79
LESSE B ADJUTANT STORK - Leptoptilus javanicus

Seen in most parts of the terai - Chitwan, E-W highway and more common in Eastern terai around Biratnagar.

Never more than 5 seen together.

SACRED IBIS - Threskiornis melanocephala

Kosi barrage 8 20/11/78
30km. NW of Kosi barrage, E-W highway 30/12/78
R. Kosi, 4km. N. of barrage 23/1/79

BLACK IBIS - Pseudibis papillosa

Seen throughout terai in association with the major rivers. Nest building observed nr. Damak in an isolated sal tree. Max. 20 nr. Fatepur, R. Kosi 23/1/79

LESSER WHISTLING TEAL - Dendrocygna javanica

E. side of Kosi barrage 220 24/1/79

RUDDY SHELDUCK - Tadorna ferruginea

Seen frequently on major rivers throughout terai

Max. 370 Kosi barrage 24/1/79

PINTAIL - Anas acuta

Kosi barrage, on E. side c.1000 17/1/79
E. side 500+ 24/1/79

SHOVELER - Anas clypeata

Kosi barrage 5 17/1/79
W. side 30 24/1/79

TEAL - Anas crecca

5km. S. of Chatra, R. Kosi 2 23/12/78
Kosi barrage c.600 24/1/79

FALCATED TEAL - Anas falcata

Kosi barrage 2+ 17/1/79
5+ 24/1/79
WIGEON - *Anas penelope*

Kosi barrage - 5 on W. side & 3 on E. side 24/1/79

MALLARD - *Anas platyrhynchos*

Kosi barrage above dam 20 17/1/79
and only 13 24/1/79

SPOTBILL - *Anas poecilorhyncha*

E. side of Kosi barrage 3 24/1/79

GADWALL - *Anas strepera*

Kosi barrage on W. side 117+ 24/1/79
and on E. side of dam 300+

POCHARD - *Aythya ferina*

Kathmandu. Small lake nr. New Road 2 29/11/78
Kosi barrage 10 17/1/79
7 24/1/79

TUFTED DUCK - *Aythya fuligula*

Kosi barrage 38 24/1/79

FERRUGINOUS DUCK - *Aythya nyroca*

Kosi barrage 35 17/1/79
2 24/1/79

RED CRESTED POCHARD - *Netta rufina*

E. side of Kosi barrage 2 24/1/79

COTTON TEAL - *Nettapus coromandelianus*

E. side of Kosi barrage 4 19/12/78

COMB DUCK - *Sarkidiornis melanotus*

Kosi barrage 9 17/1/79
13 24/1/79

GOOSANDER - *Mergus merganser*

Seen on major rivers such as Kankai, Rapti & Kosi
Max. 200 at Karanga, 30km. W. of Hetauda,
(R. Rapti) flew E. 8/12/78
BLACK-WINGED KITE - Elanus caerulescens
Widespread in terai, more in East but never numerous.
One chased off Red headed Merlin at Kosi barrage 24/1/79

BLACK KITE - Milvus migrans
Common throughout Nepal around habitation.

BRAHMINY KITE - Haliastur indus
R. Kankai 2km. N. of E-W highway.
One chased by Osprey 25/11/78
On several dates around Kosi barrage during Jan 79.

EGYPTIAN VULTURE - Neophron percnopterus
Seven records between Saura, Chitwan and the Kosi.
Also two over the Kathmandu - Pokhara road.

HIMALAYAN GRIFFON - Gyps himalayensis
Daman, Everest viewpoint 1 6/12/78
R. Kosi nr. Fatepur 1 21/1/79

WHITE-BACKED VULTURE - Gyps bengalensis
Common throughout the terai and seen in K.V.
and at Pokhara.

INDIAN GRIFFON - Gyps indicus
Damak 2 17/12/78
8km. W. of Damak 1 18/12/78
Trijuga valley 1 20/12/78

BLACK VULTURE - Aegypius monachus
Kosi barrage, feeding on human corpses 3 20/11/78
4km. N. of barrage 2 23/1/79
Kankai, 2km. N. of E-W highway 1 25/11/78
10km. W. of Damak 13/12/78
Biratnagar. These were the only ones away 1 17/1/79
from large river courses 2 28/1/79
CRESTED SERPENT EAGLE - Spilornis cheela

Singles at Saura, the Trijuga valley and 2+
by R. Kosi, nr. Fatepur.

MARSH HARRIER - Circus aeruginosus

Twelve records, again all in the terai over rice fields
and grassland.

HEN HARRIER - Circus cyaneus

Ten records, all in the terai over rice, grassland
and meadows. 5km. S. of Chatra a pair did a food pass 23/12/78

PIED HARRIER - Circus melanoleucus

Saura, Chitwan
Immature 1 15/11/78
8km. W. of Damak. Male hunting over rice fields 18/12/78
10km. N.E. of Kosi barrage. 2 males over meadows 19/12/78
8km. S. of Chatra, R. Kosi. A male over grassland 23/12/78
2km. N. of Biratnagar. one over sugar cane 27/12/78
5km. N.E. of Fatepur. One over grassland. 23/1/79
Kosi barrage, E. side. One female. 23/1/79

SHIKRA - Accipiter badius

Saura, Chitwan
1 15/11/78

SPARROWHAWK - Accipiter nisus

Kathmandu, one female seen at Swayambhu on each visit.

CRESTED GOSHAWK - Accipiter trivirgatus

Karanga, 30km. W. of Hetanda 1 8/12/78
Chobar gorge, K.V. a probable carrying off
blue rock pigeon (C. livia) 4 5/12/78

WHITE-EYED BUZZARD - Butastur teesa

10km. S. of Chatra 2 23/12/78
BUZZARD - Buteo buteo buteo

45km. S. of Ilam

(STEPPE BUZZARD - Buteo buteo vulpinus)

40km. S. of Dallam

Damak

SPOTTED EAGLE - Aquila clanga

10km. N. of Fatepur. Circling with vultures

LESSER SPOTTED EAGLE - Aquila pomarina

E. end of Kosi barrage. Chasing each other

STEPPE EAGLE - Aquila nipalensis

Kathmandu, Monkey Temple

Chobar Gorge

CHANGEABLE HAWK-EAGLE - Spizaetus limnaeetus

25km. towards Kodari from Kathmandu

OSPREY - Pandion haliaetus

Seen on eleven occasions, all solitary birds.

On R. Rapti at Saura & Tiger Tops, Chitwan.

On R. Kankai N. of E-W highway 26/11/78 & along

Kosi at Chatra & nr. the barrage 23/12/78 - 17/1/79

RED-THIGHED FALCONET - Microhierax caernescens

5km. S. of Dharan

Fatepur

RED HEADED MERLIN - Falco chicquera

Kosi barrage. One on West side, hunting yellow breasted buntings. It was chased off by a black winged kite.

LESSER KESTREL - Falco naumanni

8 km. N. of E-W highway at River Kankai

Chatra
10km. S. of Chatra  & 23/12/78
Lamosangu  & 3/1/79
R. Kosi nr. Fatepur  & 21/1/79

**SHAHIN FALCON - Falco peregrinus peregrinator**
Chatra, entrance to canal. One seen carrying off
red wattled plover (*V. indicus*)  & 24/12/78
W. edge of K.V. One chasing flock of Blue
Rock Pigeons  & 12/1/79

**HOBBY sp. - Falco severus or subbuteo**
Kathmandu, New Road.  & 5/11/78

**KESTREL - Falco tinnunculus**
Scattered singles in terai and K.V.

**BLACK FRANCOLIN - Francolinus francolinus**
5 km. N.E. of Fatepur in grassland  & 23/1/79

**KALEEJ PHEASANT - Lophura leucomelana**
Nagarjun Ban, Royal Forest, Kathmandu  & 9/11/78
Fatepur  & 21/1/79

**RED JUNGLE FOWL - Gallus gallus**
Saura & Tiger Tops, Chitwan.
Several seen at both localities.  & 16/11/78
Several seen from E-W highway & at Fatepur  & 21/1/79

**PEAFOWL - Pavo cristata**
Saura & Tiger Tops, Chitwan.
Several in each locality.  & 15-18/11/78

**WHITE-BREASTED WATERHEN - Amaurornis phoenicurus**
Trinjuga valley, Fatepur  & 20/12/78
W. Bank of Kosi, nr. Fatepur  & 21/1/79

**MOORHEN - Gallinula chloropus**
Saura, Chitwan  & 15/11/78
Kosi barrage  & 24/1/79
PHEASANT TAILED JACANA - *Hydrophasianus chirurgus*

Kosi barrage  
20  19/12/78  
4  24/1/79

BRONZE WINGED JACANA - *Metopidius indicus*

Kosi barrage  
15  19/12/78  
and a few in Jan 79.

RED-WATTLED PLOVER - *Vanellus indicus*

Widespread, seen in small numbers throughout areas visited,  
more numerous in the terai than elsewhere.

SPUR-WINGED PLOVER - *Vanellus duvaucelii*

Scattered pairs and small flocks seen along large rivers  
in the terai.

LESSER GOLDEN PLOVER - *Pluvialis dominica*

Kosi barrage  
100  17/1/79  
Kosi barrage East side  
22  24/1/79

KENTISH PLOVER - *Charadrius alexandrinus*

Chatra, R. Kosi & 6km. S. of Chatra. 2 singles. 22-23/12/78  
4km. N. of Kosi barrage  
2  23/1/79

LITTLE RINGED PLOVER - *Charadrius dubius*

Common along most rivers visited in terai & K.V.

LONG BILLED PLOVER - *Charadrius placidus*

8km. S. of Chatra  
1  23/12/78

CURLEW - *Numenius arquata*

Kosi barrage  
13  17/1/79  
200  24/1/79

COMMON SANDPIPER - *Tringa hypoleucos*

Widespread but less numerous than green sandpiper (*T. echropus*)  
Common around Saura, Chitwan.
GREENSHANK - *Tringa nebularia*

Similar status to Temminck's stint (*C. temminckii*) but generally more single birds. Max. of 15 together at Kosi barrage 17/1/79 & 23/1/79

GREEN SANDPIPER - *Tringa eochropus*

Similar status to greenshank (*T. nebularia*) but never more than three seen together.

REDSHANK - *Tringa totanus*

Saura, Chitwan. 1 on R. Rapti. 14/11/78

TEMMINCK'S STINT - *Calidris temminckii*

Noted at 14 localities along rivers Rapti, Kosi, Kankai and Bagmati & on jute pools in the terai.

IBISBILL - *Ibidorhyncha struthersii*

<table>
<thead>
<tr>
<th>Location</th>
<th>Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>Karanga</td>
<td>2</td>
</tr>
<tr>
<td></td>
<td>13/11/78</td>
</tr>
<tr>
<td>Chatra, R. Kosi</td>
<td>2</td>
</tr>
<tr>
<td></td>
<td>22/12/78</td>
</tr>
<tr>
<td>Lamosangu</td>
<td>8</td>
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<tr>
<td></td>
<td>3/1/79</td>
</tr>
</tbody>
</table>

STONE CURLEW - *Burhinus oedicnemus*

R. Kankai, 10km N. of E-W highway 5 27/11/78

20km. W. of Kosi barrage - several heard in night. 19/12/78

5km. S. of Dharan. In a dry river bed. 6 25/12/78

GREAT STONE PLOVER - *Esacus recurvirestra*

R. Kankai, 10km N. of E-W highway 17 27/11/78

Kosi barrage, 10km. N. 10 21/1/79

Kosi barrage 30 24/1/79

LITTLE PRATINCOLE - *Glareola lactea*

Saura, Chitwan 1 14/11/78

Tiger Tops, Chitwan 2 17/11/78
<table>
<thead>
<tr>
<th>Species</th>
<th>Location</th>
<th>Numbers</th>
<th>Dates</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>HERRING GULL - Larus argentatus</strong></td>
<td>R. Kosi nr. Fatepur</td>
<td>1</td>
<td>21/1/79</td>
</tr>
<tr>
<td></td>
<td>Kosi barrage</td>
<td>1</td>
<td>24/1/79</td>
</tr>
<tr>
<td><strong>BROWN HEADED GULL - Larus brunnicephalus</strong></td>
<td>Kosi barrage</td>
<td>6</td>
<td>20/11/78</td>
</tr>
<tr>
<td><strong>GREAT BLACK HEADED GULL - Larus ichthyaetus</strong></td>
<td>R. Rapti, Tiger Tops</td>
<td>17/11/78</td>
<td>5</td>
</tr>
<tr>
<td></td>
<td>Chatra, R. Kosi</td>
<td>22/12/78</td>
<td>1</td>
</tr>
<tr>
<td><strong>BLACK HEADED GULL - Larus ridibundus</strong></td>
<td>Kosi barrage</td>
<td>20/11/78</td>
<td>7</td>
</tr>
<tr>
<td><strong>BLACK-BELLIED TERN - Sterna melanogaster</strong></td>
<td>Kosi barrage</td>
<td>20</td>
<td>20/11/78</td>
</tr>
<tr>
<td></td>
<td>several between Chatra and barrage in January 79.</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Chatra</td>
<td>30</td>
<td>23/12/78</td>
</tr>
<tr>
<td></td>
<td>10km. N of Fatepur. One carrying fish</td>
<td></td>
<td>20/12/78</td>
</tr>
<tr>
<td></td>
<td>The most numerous Tern seen on the main rivers in terai.</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>INDIAN RIVER TERN - Sterna aurantia</strong></td>
<td>R. Rapti, Chitwan</td>
<td>17/11/78</td>
<td></td>
</tr>
<tr>
<td></td>
<td>R. Kosi, Chatra</td>
<td>20</td>
<td>23/12/78</td>
</tr>
<tr>
<td></td>
<td>Kosi barrage, several regularly between</td>
<td></td>
<td>20-24/1/79</td>
</tr>
<tr>
<td><strong>CASPIAN TERN - Hydroprogne tschegrawa</strong></td>
<td>5km. S. of Chatra, R. Kosi</td>
<td>3+</td>
<td>23/12/78</td>
</tr>
<tr>
<td></td>
<td>Kosi barrage</td>
<td>2</td>
<td>17/1/79</td>
</tr>
<tr>
<td></td>
<td>1 on E. side, 2 on W. side</td>
<td></td>
<td>24/1/79</td>
</tr>
<tr>
<td></td>
<td>Kosi, nr. Fatepur</td>
<td>2</td>
<td>21/1/79</td>
</tr>
<tr>
<td><strong>GULL BILLED TERN - Gelochelidon nilotica</strong></td>
<td>4km. N. of Kosi barrage</td>
<td>1</td>
<td>23/1/79</td>
</tr>
</tbody>
</table>
BLUE ROCK PIGEON - *Columba livia*

Common around main habitation and throughout K.V.

SPOTTED DOVE - *Streptopelia chinensis*

Fairly common throughout terai and foothills. Most common in woodland around habitation.

RUFOUS TURTLE DOVE - *Streptopelia orientalis*

5km. W. of Damak    several    14-17/12/78
Daman    1    14/1/79
Chakrapur    2    20/1/79

COLLARED DOVE - *Streptopelia decaocto*

Common around Chitwan and Kosi barrage. Also noted at several other localities in the terai.

LONG-TAILED CUCKOO-DOVE - *Macropygia unchall*

20km. W. of Kosi barrage    1    16/1/79

EMERALD DOVE - *Chalcophaps indica*

Trijug valley, 10km. N. of Fatepur    1    20/12/78

BENGAL GREEN PIGEON - *Treron phoenicoptera*

5km. E. of Damak    2    14-17/12/78

ROSE-BREASTED PARAKEET - *Psittacula alexandri*

67km. S. of Ilam    common (20+)    23-24/11/78

BLOSSOM-HEADED PARAKEET - *Psittacula cyanoccephala*

5km. S. of Hetauda    20    8/12/78
Chatra    6    22/12/78
Fatepur    common    18/1/79

LARGE PARAKEET - *Psittacula eupatria*

Fairly common in forests.

RING-NECKED PARAKEET - *Psittacula krameri*

Most common Parakeet, found in most terai areas, especially common in forests.
A few seen in K.V.
2km. N.W. of Kosi barrage, 1000+ in two flocks going to roost in evening of 23/1/79.

**COMMON HAWK-CUCKOO - Cuculus varius**

<table>
<thead>
<tr>
<th>Location</th>
<th>Frequency</th>
<th>Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>5km. E. of Biratnagar</td>
<td>1</td>
<td>29/12/78</td>
</tr>
</tbody>
</table>

**LARGE COUCAL or CROW-PHEASANT - Centropus sinensis**

<table>
<thead>
<tr>
<th>Location</th>
<th>Frequency</th>
<th>Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>Saura, Chitwan</td>
<td>several</td>
<td>14-18/11/78</td>
</tr>
<tr>
<td>5km. W. of Damak</td>
<td>2,14-17/12/78</td>
<td></td>
</tr>
<tr>
<td>Kosi barrage</td>
<td>2</td>
<td>17/1/79</td>
</tr>
<tr>
<td></td>
<td>2</td>
<td>24/1/79</td>
</tr>
</tbody>
</table>

**BROWN FISH OWL - Bubo zeylonensis**

<table>
<thead>
<tr>
<th>Location</th>
<th>Frequency</th>
<th>Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>Saura, Chitwan in Sal forest nr. R. Rapti</td>
<td>1</td>
<td>18/11/78</td>
</tr>
</tbody>
</table>

**BARRED OWLET - Glaucidium cuculoides**

<table>
<thead>
<tr>
<th>Location</th>
<th>Frequency</th>
<th>Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>20km. W. of Kosi barrage</td>
<td>6</td>
<td>19/12/78</td>
</tr>
<tr>
<td>Fatepur</td>
<td>1</td>
<td>18/1/79</td>
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</tbody>
</table>

**JUNGLE OWLET - Glaucidium radiatum**

<table>
<thead>
<tr>
<th>Location</th>
<th>Frequency</th>
<th>Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>5km. S. of Hetauda</td>
<td>1</td>
<td>8/12/78</td>
</tr>
<tr>
<td>Chatra</td>
<td>1</td>
<td>22/12/78</td>
</tr>
</tbody>
</table>

**SPOTTED OWLET - Athene brama**

Around habitation such as Kathmandu and Biratnagar

<table>
<thead>
<tr>
<th>Location</th>
<th>Frequency</th>
<th>Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>Swayambhu</td>
<td>5 together</td>
<td>2/12/78</td>
</tr>
</tbody>
</table>

**LONG TAILED NIGHTJAR - Caprimulgus macrurus**

<table>
<thead>
<tr>
<th>Location</th>
<th>Frequency</th>
<th>Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>Nagarjun Ban Royal Forest, Kathmandu</td>
<td>1</td>
<td>8/11/78</td>
</tr>
<tr>
<td>5km. S. of Dharan</td>
<td>1</td>
<td>24/12/78</td>
</tr>
</tbody>
</table>

**CRESTED TREE SWIFT - Hemiproene longipennis**

<table>
<thead>
<tr>
<th>Location</th>
<th>Frequency</th>
<th>Date</th>
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</thead>
<tbody>
<tr>
<td>Karanga</td>
<td>10+</td>
<td>8/12/78</td>
</tr>
<tr>
<td>5km. S. of Dharan</td>
<td>3+</td>
<td>24/12/78</td>
</tr>
</tbody>
</table>
EDIBLE NEST SWIFTLET - *Collocalia brevirostris*

Lamosangu 40+ 3/1/79
Pokhara 20+ 11/1/79

LITTLE SWIFT - *Apus affinis*

Common around Kathmandu and all terai towns and some road bridges.

ALPINE SWIFT - *Apus melba*

25km. W. of Hetauda 6+ 13/11/73 15 8/12/78
10km. S. of Chatra 3 23/12/78

LARGE PIED KINGFISHER - *Ceryle lugubris*

Lamosangu 2 3/1/79
Kathmandu-Pokhara road 1 12/1/79

PIED KINGFISHER - *Ceryle rudis*

Seen around most terai rivers but not numerous.

WHITE-BREASTED KINGFISHER - *Halcyon smyrnensis*

Common and widespread throughout terai, K.V., and Pokhara.

KINGFISHER - *Alcedo atthis*

R. Kosi between Chatra and barrage. Several records in Jan 79.
Lamosangu 1 3/1/79
Several scattered records from pools and rivers in E. terai.

CHESTNUT-HEADED BEE-EATER - *Merops leschenaulti.*

67km. S. of Ilam 4+ 23/11/73

LITTLE GREEN BEE-EATER - *Merops orientalis*

Common in the terai, seen at ten localities. Not seen at higher altitudes.

INDIAN ROLLER - *Coracias benghalensis*

Widespread and common throughout the terai in cultivated areas.
HOOPOE - *Upupa epops*
Scattered singles and pairs seen in the terai.

GRAY HORNBILL - *Tockus hirostris*
5km. W. of Damak 1 16/12/78
Fatepur 1 18/1/79

GIANT HORNBILL - *Buceros bicornis*
R. Kankai, 10km. N. of E-W highway. 2 flew across river in evening. 27/11/78

BLUE-THROATED BARBET - *Megalaima asiatica*
Nagarjun Ban Royal Forest, Kathmandu 2 8/11/78

GOLDEN-THROATED BARBET - *Megalaima franklinii*
90km. N. of Biranj along Tribhuvan Raj Path. 1 13/11/78

LINEATED BARBET - *Megalaima lineata*
Saura 2 19/11/78
67km. S. of Ilam 1 23/11/78
Trijuga valley, 10km. N. of Fatepur 1 20/12/78

GREEN BARBET - *Megalaima zeylanica*
30km. E. of Hetauda 2 9/12/78

WRYNECK - *Jynx torquilla*
Kosi barrage, W. side. 1 24/1/79

BLACK-NAPE WOODPECKER - *Picus canus*
5km. S. of Hetauda 1 8/12/78
Godaveri, behind St. Xavier's School. 1 29/1/79

SMALL YELLOW-NAPE WOODPECKER - *Picus chloropophus*
Saura, Chitwan 1 15/11/78

LARGE YELLOW-NAPE WOODPECKER - *Picus flavinucha*
Godaveri, behind St. Xaviers school 1 8/1/79
LESSE GOLDEN-BACKED WOODPECKER - *Dinopium benghalense*

The most numerous Golden-backed Woodpecker, seen at six different sites in the terai forests.

THREE-TOED GOLDEN-BACKED WOODPECKER - *Dinopium shorii*

Saura, Chitwan 1 16/11/78

BROWN-FRONTED PIED WOODPECKER - *Dendrocopos auriceps*

90km. N. of Birginj along Tribhuvan Raj Path. 1 13/11/78

GRAY-CROWNED PIGMY WOODPECKER - *Dendrocopos canicapillus*

Saura, Chitwan 1 16/11/78

67km. S. of Ilam 1 23/11/78

FULVOUS-BREASTED PIED WOODPECKER - *Dendrocopos macei*

Saura, Chitwan 1 18/11/78

50km. E. of Hetauda 1 9/12/78

Fatepur 2 18/1/79

Chakrapur 6 20/1/79

LARGE GOLDEN-BACKED WOODPECKER - *Chrysocolaptes lucidus*

5km. S. of Dharan 1 24/12/78

Fatepur 1 21/1/79

BUSH LARK - *Mirafra assamica*

A few in cultivated and grassland areas in terai localities.

ASHY-CROWNED FINCH-LARK - *Eremopterix grisea*

Numerous along dry river courses in terai, more in E. terai.

SAND LARK - *Calandrella ryalta*

R. Kankai, 10km. N. of E-W highway 10 27/11/78

Chatra 6 23/12/78, 8 22/12/78

Kosi barrage 10 24/1/79

INDIAN SAND MARTIN - *Riparia paludicola*

Seen along major rivers such as the Rapti and Kosi. Also seen near Damak and Pokhara. Entering nests at Saura, Chitwan on 15/11/78.
RED-RUMPED SWALLOW - *Hirundo daurica*

Fairly common in some areas such as Birganj, Kathmandu, Fatepur and a few seen at other terai localities.

CRAG MARTIN - *Hirundo rupestris*

Pokhara 5 11/1/79

SWALLOW - *Hirundo rustica*

Widespread and common. Seen at 8000' at Daman 14/1/79

NEPAL HOUSE MARTIN - *Delichon nipalensis*

Kathmandu-Kodari road up to 60 3/1/79

Pokhara 3 11/1/79

PIED WAGTAIL - *Motacilla alba*

Recorded at nine localities near water in the terai.

GREY WAGTAIL - *Motacilla cinerea*

Seen at nine localities, mainly in foothills and between Kathmandu and Pokhara. Also seen at Saura, Chitwan, Chobar Gorge, K.V., R. Kankai, R. Kosi, Chatra and from Tribhuvan Raj Path.

CITRINE WAGTAIL - *Motacilla citreola*

Saura, Chitwan 1 14/11/78

10km. W. of Damak 1 14/12/78

Trijuga Valley, 10km. N. of Fatepur 1 20/12/78

LARGE PIED WAGTAIL - *Motacilla maderaspatensis*

Scattered individuals seen in K.V., Pokhara and terai areas. (Thirteen localities altogether) always near water.

OLIVE-BACKED PIPIT - *Anthus hodgsoni*

Seen in K.V. terai forests and found roosting in grassland 5km. W. of Damak.

PADDYFIELD PIPIT (RICHARD'S PIPIT) - *Anthus nomeseelandiœ*

5 km. W. of Damak 2 16/12/78

8 km. W. of Damak 3+ 18/12/78
<table>
<thead>
<tr>
<th>Species</th>
<th>Location</th>
<th>Date</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>DARK CUCKOO-SHRIKE - Coracina melaschistos</strong></td>
<td>Fatepur</td>
<td>18/1/79</td>
</tr>
<tr>
<td><strong>LARGE CUCKOO-SHRIKE - Coracina novaehallandiae</strong></td>
<td>See at seven localities in Eastern terai. Usually pairs but four together 5km. W. of Damak on 14/12/78.</td>
<td></td>
</tr>
<tr>
<td><strong>SHORT-BILLED MINIVET - Pericrocotus brevirostris</strong></td>
<td>Chakrapur</td>
<td>21/1/79</td>
</tr>
<tr>
<td><strong>LONG-TAILED MINIVET - Pericrocotus ethologus</strong></td>
<td>Swayambhlu, K.V.</td>
<td>7/11/78</td>
</tr>
<tr>
<td><strong>SMALL MINIVET - Pericrocotus cinnamomeus</strong></td>
<td>3km. N. of E-W highway up R. Kankai</td>
<td>25/11/78</td>
</tr>
<tr>
<td><strong>SCARLET MINIVET - Pericrocotus flammeus</strong></td>
<td>Chakrapur</td>
<td>21/1/79</td>
</tr>
<tr>
<td><strong>PIED WOOD-SHRIKE - Hemipus picatus</strong></td>
<td>Fairly common in terai and foothill forests.</td>
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</tr>
<tr>
<td><strong>LESSER WOOD-SHRIKE - Tephrodornis pondicerianus</strong></td>
<td>Fatepur</td>
<td>18/1/79</td>
</tr>
<tr>
<td><strong>RED-VENTED BULBUL - Pycnonotus cafer</strong></td>
<td>Common in most areas, particularly cultivated &amp; thatchland areas of the terai.</td>
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</tbody>
</table>
RED-WHISKERED BULBUL - *Pycnonotus jocosus*

Seen at Saura, Chitwan; 67km S. of Ilam; 5km W. of Damak and 50km W. of Hetauda.

WHITE-CHEEKED BULBUL - *Pycnonotus leucogenys*

Common in K.V. and between Hetauda and Biratnager along E-W highway. Also noted from Kathmandu-Kodari road; at Saura, Chitwan and along R. Kankai.

BLACK-HEADED YELLOW BULBUL - *Pycnonotus melanicterus*

10km. N. of E-W highway at R. Kankai 2 27/11/78
5km. S. of Dharan 4 25/12/78
Fatepur 2 18/1/79

GREY BULBUL - *Hypsipetes madagascariensis*

Nagarjun Ban Royal Forest, Kathmandu 20+ 8/11/78
Godaveri, behind St. Xavier's school 30+ 8/1/79

IORA - *Aegithina tiphia*

Saura and Tiger Tops, Chitwan. Several in forest 16-18/11/78
R. Kankai 2km. N. of E-W highway 2 25/11/78
Lamosangu 3 3/1/79
Fatepur 4 18/1/79
Chakrapur 2+ 20/1/79

GOLDEN-FRONTED LEAF BIRD - *Chloropsis aurifrons*

10km. N. of Fatepur 2 20/12/78
5km. S. of Dharan common 25/12/78
Fatepur 2+ 21/1/79

BROWN SHRIKE - *Lanius cristatus*

Scattered singles in the terai and K.V.
BLACK-HEADED SHRIKE - *Lanius nigricans*

The most common shrike, seen in eleven localities. Common in K.V. and most cultivated terai areas. The Rufous backed race was less numerous, only noted at three of the localities.

GREY-BACKED SHRIKE - *Lanius nigriceps*

5km. W. of Damak  1 14-17/12/78
10km. S. of Chatra  1 23/12/78
5km. S. of Dharan  1 13/1/79
Kathmandu  1 13/1/79

BAY-BACKED SHRIKE - *Lanius vittatus*

20km. W. of Kosi barrage  1 16/1/79

BROWN DIPPER - *Cinclus pallasi*

Kathmandu-Kodari road  common 3-4/1/79

SIBERIAN RUBYTHROAT - *Luscinia calliope*

Karanga  1 8/12/78
5km. W. of Damak  1 16/12/78

BLUE THROAT - *Luscinia svecica*

5km. W. of Damak - roosting in tall grass  10 16/12/78
4km. N.E. of Fatepur  1 21/1/79
Kosi barrage  3 24/1/79

SHAMA - *Copsychus malabaricus*

Saura, Chitwan  2+ 18/11/78
67km. S. of Ilam  2+ 23/11/78
5km. S. of Dharan  3 25/12/78
Chakrapur  1 21/1/79
1km. N. of Fatepur  2 23/1/79

MAGPIE-ROBIN - *Copsychus saularis*

Common in K.V. and at Pokhara. Also seen in cultivated terai areas.
HODGESON'S REDSTART - Phoenicurus hodgeisoni

Chobar gorge, K.V.  1 pair  5/12/78
Lamosangu  1  3/1/79

PLUMBEOUS REDSTART - Rhyacornis fuliginosa

Fairly common along rivers in K.V.; Pokhara; Daman, Kosi Chitwan and other terai areas.

BLACK-BACKED FORKTAIL - Enicurus immaculatus

Nr. R. Kankai c.10km. N. of E-W highway  1  27/11/78
2km. N. of Chatra  2+  27/12/78
Fatepur  2+  18/1/79

SPOTTED FORKTAIL - Enicurus maculatus

Godaveri, behind St. Xavier's school  2  9/1/79
Kathmandu - Pokhara road  3+  10/1/79

LITTLE FORKTAIL - Enicurus scouleri

12km. S. of Kodari along Kathmandu-Kodari road.  several c.6  3/1/79

PIED BUSH-CHAT - Saxicola caprata

Found in similar areas to the stonechat (S. torquata)
but generally less common.

STONECHAT - Saxicola torquata

Common in cultivated areas throughout Nepal.

WHITE-CAPPED RIVER CHAT - Chaimarrornis leucocephalus

Similar comments to plumbeous redstart (R. fuliginosa).

Seen at eight localities.

BLUE ROCK THRUSH - Houticola solitaria

Chatra  1  24/12/78
Chakrapur  1  20/1/79
Kosi barrage  1  24/1/79
WHISTLING THRUSH - *Hyaiphonous caeruleus*

Tribhuvan Raj Path always a few seen.
Kathmandu-Kodari road common 3/1/79
Terai forests and river beds, scattered singles.
Kathmandu-Pokhara road common 11/1/79

WHITE'S THRUSH - *Zoothera dauma*

Swayambhu 2 7/11/78
Fatepur 2 18/1/79

TICKELL'S THRUSH *Turdus*

5 km. S. of Dharan (1000') 1 25/12/78
Caught & photographed, considered by Brit. Museum to be this species.

SPOTTED BABBLER - *Pellorneum ruficeps*

Saura, Chitwan 1 16/11/78

YELLOW BREASTED BABBLER - *Macronous gularis*

5km. S. of Dharan 3 25/12/78
Fatepur c.4 21/1/79

STRIATED BABBLER - *Turdoides earlei*

10km. N.W. of Kosi barrage 4 30/12/78
5km. N.E. of Fatepur 4 23/1/79

JUNGLE BABBLER - *Turdoides striatus*

Saura, Chitwan 6 15/11/78
67km. S. of Ilam c.4 23/11/78
5km. W. of Damak 4+ 15/12/78
10km. N. of Fatepur 2 20/12/78
Chatra c.5 22/12/78

WHITE-THROATED LAUGHING-THRUSH - *Garrulax albogularis*

Godaveri, behind St. Xavier's school 30+ 8/1/79
WHITE-CRESTED LAUGHING-THRUSH - *Garrulax leucolophus*

Nagarjuna Ban Royal Forest, K.V. 4 8/11/78
Godaveri, behind St. Xavier's school 1 8/1/79

RUFOUS-CHINNED LAUGHING-THRUSH - *Garrulax rufogularis*

Godaveri, behind St. Xavier's school 5 8/1/79

BLUE-WINGED LAUGHING-THRUSH - *Garrulax squamatus*

90km. N. of Birganj along Tribhuvan Raj Path, (5000') 1 13/11/78

BLACK-CAPPED SIBIA - *Heterophasia capistrata*

Daman (8000') 3 30/12/78
Kodari common 3/1/79

PADDYFIELD WARBLER - *Acrocephalus agricola*

5km. N.E. of Fatepur 2 23/1/79
Kosi barrage 1 24/1/79

LESSEr WHITETHROAT - *Sylvia curruca*

Saura, Chitwan (900') 1 19/11/78

YELLOW-THROATED LEAF WARBLER - *Phylloscopus cantator*

5km. S. of Dharan (1000') 1 25/12/78

CHIFFCHAFF - *Phylloscopus collybita*

Seen at Saura, Chitwan; Chatra and Damak.

DUSKY WARBLER - *Phylloscopus fuscatus*

Saura, Chitwan 1 14/11/78

YELLOW-BROWED WARBLER - *Phylloscopus inornatus*

The common leaf-warbler in terai forests, seen in the K.V.; Dharan; Chatra; Fatepur and Saura, Chitwan areas.

GREY-FACED LEAF-WARBLER - *Phylloscopus maculipennis*

Godaveri, behind St. Xavier's school 2 8/1/79

PALLAS'S LEAF WARBLER - *Phylloscopus proregulus*

Only seen in K.V. at Swayambhu, K.V.
ORANGE-BARRED LEAF WARBLER - *Phylloscopus pulcher*

Daman 2 14/1/79

CROWNED LEAF WARBLER - *Phylloscopus reguloides*

Swayambhu, K.V., several in mixed flock 6/11/78

GREENISH WARBLER - *Phylloscopus trochiloides*

Saura, Chitwan 2+15-16/11/78

5km. S. of Dharan several 24/12/78

YELLOW-EYED FLYCATCHER-WARBLER - *Seicercus barkii*

Seen at several localities in foothill forests, less numerous than grey-headed flycatcher-warbler - *S. xanthoschistos*.

GREY-HEADED FLYCATCHER-WARBLER - *Seicercus xanthoschistos*

Common in forests of foothills.

GREY-CAPPED PRINIA - *Prinia cinereocapilla*

Karanga in tall vegetation by R. Rapti 4+ 8/12/78

Kosi, Fatepur 3+ 21/1/79

YELLOW BELLIED PRINIA - *Prinia flaviventris*

W. side of Kosi barrage 2 24/1/79

FULVOUS-STREAKED PRINIA - *Prinia gracilis*

E. side of Kosi barrage 1 24/1/79

HODGSON'S PRINIA - *Prinia hodgsonii*

Saura, Chitwan 5+ 18/11/78

ASHY PRINIA - *Prinia socialis*

5km. W. of Damak in thatch 6+ 13/12/78

JUNGLE PRINIA - *Prinia sylvatica*

5km. N.E. of Fatepur in grassland 10+22-23/1/79

GOLDEN-HEADED CISTICOLA - *Cisticola exilis*

5km. W. of Damak in grassland 4+14-17/12/78

FAN-TAILED WARBLER - *Cisticola juncidis*

Seen along both sides of R. Kosi in rice fields & grassland.
TAILORBIRD - Orthotomus aucturis

Fairly common in terai forests. Also noted around cultivation and in thatchland.

RED-BREASTED FLYCATCHER - Ficedula parva

Fairly common throughout.

ORANGE-GORGETTED FLYCATCHER - Ficedula strophiata

5km. N. of Kalitar  (male)1 15/1/79

BROOK'S FLYCATCHER - Niltava poliogenys

67km. S. of Ilam  1 23/11/78
5km. S. of Dharan  2 24/12/78

RUFOUS-BREASTED BLUE-FLYCATCHER - Muscicapa hyperythra

5km. S. of Dharan (male) 1 24/12/78

VERDITER FLYCATCHER - Muscicapa thalassina

Chatra  1 22/12/78
5km. S. of Dharan  2 24/12/78
Fatepur  1 18/1/79

GREY-HEADED FLYCATCHER - Culicicapa ceylonensis

Common throughout terai & foothill forests and in K.V.

WHITE-THROATED FANTAIL FLYCATCHER - Rhipidura albicollis

Fairly common in terai forests.

Max. of 6 together at Fatepur 18/1/79

YELLOW-BELLED FANTAIL FLYCATCHER - Rhipidura hypoxantha

Between Kathmandu and Kodari  2 3/1/79
Between Kathmandu and Pokhara  2 12/1/79
5km. N. of Kalitar  1 15/1/79

RED-HEADED TIT - Aegithalos concinns

Godaveri, behind St. Xavier's school 7+ 8/1/79

GREY TIT - Parus major

Fairly common in all woodland areas. Seen at thirteen localities.
GREEN-BACKED TIT - *Parus monticolus*

Godaveri, behind St. Xavier's school. 4+ 9/1/79

YELLOW-CHEEKED TIT - *Parus xanthogenys*

Nagarjun Ban Royal Forest, K.V. 2 8/11/78
Tribhuvan Raj Path, singles on several dates.

Godaveri 3+ 9/1/79
Kathmandu - Pokhara road 2 12/1/78

CHESTNUT-BELLIED NUTHATCH - *Sitta castanea*

67km. S. of Ilam 2 24/11/78
2km. N. of Chatra 2 27/12/78

Fatepur 18/1/79 and 2+ 21/1/79
Chakrapur several 20/1/79

VELVET-FRONTED NUTHATCH - *Sitta frontalis*

Saura, Chitwan 2 15/11/78
R. Kankai, 5km. N. of E-W highway. 1 26/11/78

Chakrapur 2+ 20/1/79

WALLCREEPER - *Tichodroma muraria*

R. Kankai 4km. N. of E-W highway (1000') 1 26/11/78
Lamosangu 1 3/1/79
Kathmandu-Pokhara road 2 10/1/79

10km. S. of Daman 1 14/1/79

HIMALAYAN TREE CREEPER - *Certhia himalayana*

Godaveri, behind St. Xavier's school (4500') 1 9/1/79

THICK-BILLED FLOWERPECKER - *Dicaeum agile*

20km. W. of Kosi barrage 3 15/1/79

PURPLE SUNBIRD - *Nectarinia asiatica*

10km. N. of Fatepur 1 20/12/78
20km. W. of Kosi barrage 2 16/1/79
NEPAL SUNBIRD - *Aethopyga nipalensis*

Godaveri. 2+ 9/1/79

SCARLET-BREASTED SUNBIRD - *Aethopyga siparaja*

Chitwan National Park several 16-18/11/78
5km. N. of Kalitar 1 14/1/79

STREAKED SPIDERHUNTER - *Arachnothera magna*

5km. S. of Dharan common 24-26/12/78
Chakrapur 2+ 20/1/79

WHITE-EYE - *Zosterops palpebrosa*

Swayambhu, K.V. Seen in Nov. Dec. '78 and Jan '79.
30km. S. of Dharan 30+ 8/12/78
5km. N. of Kalitar 5 15/1/79
Fatepur 10+ 18/1/79

CRESTED BUNTING - *Helophus lathami*

Saura, Chitwan 10+ 14/11/78
5km. W. of Damak 20-30 14-17/12/78

YELLOW-BREASTED BUNTING - *Emberiza aureola*

W. side of Kosi barrage 100+ 24/1/79

BLACK-HEADED BUNTING - *Emberiza melanocephala*

5km. W. of Damak. 15-20 roosting in grassland. 15/12/78

HIMALAYAN GOLDFINCH - *Carduelis spinoides*

90km. N. of Birganj along Tribhuvan Raj Path.
Some juveniles being fed by parents. 60 13/11/78

SPOTTED MUNIA - *Lonchura punctulata*

5km. W. of Damak 20-30 14-17/12/78
Kosi barrage 1 pair 24/1/79

HOUSE SPARROW - *Passer domesticus*

Common around habitation, particularly Kathmandu, Hetauda and Biratnagar.
TREE SPARROW - *Passer montanus*

Common in K.V. and around Pokhara. Not seen in the terai.

PIED MYNA - *Sternus contra*

Common in terai, particularly so in Biratnager area.

GREY-HEADED MYNA - *Sternus malabaricus*

Damak by R. Ratuwa 1 13/12/78

BRAHMINY MYNA - *Sternus pagodarum*

Saura, Chitwan 2 14/11/78

STARLING - *Sternus vulgaris*

Pokhara 1 11/1/79

JUNGLE MYNA - *Acridotheres fuscus*

Saura, Chitwan. On rhino's back. 4 14/11/78

10km. W. of Damak 40 14/12/78

Pokhara 6 11/1/79

Kathmandu 4 13/1/79

BANK MYNA - *Acridotheres ginginianus*

A few scattered parties of up to 70 in the Eastern terai.

COMMON MYNA - *Acridotheres tristis*

Common and numerous throughout K.V. and terai in cultivated areas.

TALKING MYNA - *Gracula religiosa*

67 km. S. of Ilam 1 23/11/78

10 km. W. of Damak 1 14/12/78

BLACK-HEADED ORIOLE - *Oriolus xanthornus*

Common throughout terai forests.

BLACK DRONGO - *Dicrurus adsimilis*

Common in terai and other cultivated areas.
<table>
<thead>
<tr>
<th>Species</th>
<th>Location</th>
<th>Date</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>LITTLE-BRONZED DRONGO - Dicrurus aeneus</strong></td>
<td>Godaveri 4 5km. N. of Kalitar 6</td>
<td>9/1/79</td>
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<tr>
<td></td>
<td>Chakrapur 3</td>
<td>15/1/79</td>
</tr>
<tr>
<td><strong>CROW-BILLED DRONGO - Dicrurus annectens</strong></td>
<td>Saura, Chitwan 10</td>
<td>15/11/78</td>
</tr>
<tr>
<td></td>
<td>5km. S. of Dharan 2</td>
<td>24/12/78</td>
</tr>
<tr>
<td><strong>WHITE-BELLIED DRONGO - Dicrurus caerulescens</strong></td>
<td>Saura, Chitwan 1</td>
<td>15/11/78</td>
</tr>
<tr>
<td></td>
<td>10km. N. of Fatepur 1</td>
<td>20/12/78</td>
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<tr>
<td></td>
<td>5km. S. of Dharan 1</td>
<td>24/12/78</td>
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<td>Fatepur 2</td>
<td>18/1/79</td>
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<td>21/1/79</td>
</tr>
<tr>
<td><strong>HAIR-CRESTED DRONGO - Dicrurus hottentottus</strong></td>
<td>67km. S. of Ilam 1</td>
<td>23/11/78</td>
</tr>
<tr>
<td></td>
<td>50km. E. of Hetanda 1</td>
<td>9/12/78</td>
</tr>
<tr>
<td></td>
<td>10km. N. of Fatepur 10</td>
<td>20/12/78</td>
</tr>
<tr>
<td><strong>ASHY DRONGO - Dicrurus leucophaeus</strong></td>
<td>Seen in 8 terai localities. Much less common than black drongo (D. adsimilis)</td>
<td></td>
</tr>
<tr>
<td><strong>GREATER RACKET-TAILED DRONGO - Dicrurus paradiseus</strong></td>
<td>Chakrapur 1</td>
<td>20/1/79</td>
</tr>
<tr>
<td><strong>JAY - Garrulus glandarius</strong></td>
<td>Godaveri 2</td>
<td>9/1/79</td>
</tr>
<tr>
<td><strong>RED-BILLED BLUE MAGPIE - Cissa erythrorhyncha</strong></td>
<td>5km. E. of Hetanda 2</td>
<td>8/12/78</td>
</tr>
<tr>
<td></td>
<td>36km. S. of Daman along Tribhuvan Raj Path. 2</td>
<td>30/12/78</td>
</tr>
<tr>
<td></td>
<td>Godaveri 3</td>
<td>8/1/79</td>
</tr>
<tr>
<td></td>
<td>Kathmandu-Pokhara road. 4</td>
<td>12/1/79</td>
</tr>
<tr>
<td></td>
<td>5km. N. of Kalitar 3</td>
<td>15/1/79</td>
</tr>
<tr>
<td></td>
<td>Fatepur 2</td>
<td>18/1/79</td>
</tr>
</tbody>
</table>
HIMALAYAN TREE PIE - *Dendrocitta formosae*

Nagarjun Ban Royal Forest, Kathmandu. Common 6/11/78

Godaveri 25+ 8/1/79

INDIAN TREE PIE - *Dendrocitta vagabunda*

Singles and pairs seen at eleven terai localities.

JUNGLE CROW - *Corvus macrorhynchos*

Common around cultivation and habitation.

HOUSE CROW - *Corvus splendens*

Common around all habitation.

* * * * * * * * * *
NEPAL

Order of records follows Mitchell (1975). For localities consult Map 1,4. All times are local. Small mammals trapped are not included - see main report. For primates 'troop' signifies a group of uncertain size, though seen to be larger than one. All records from Royal Chitwan N.P. are excluded.

Pteropodidae (True fruit bats)

All presumed, on account of large size, to be INDIAN FLYING FOX -

Pteropus giganteus.

- Kathmandu, large numbers flying at dusk, 11/11/78, 30/11/78, 2/12/78, 3/12/78, 1/1/79.
- Biratnagar, large numbers flying at dusk, 27/11/78, 19/12/78, 28/12/78, 29/12/78, 25/1/79.
- Biratnagar, large numbers roosting in trees in bazzar, 28/12/78, 29/12/78, 25/1/79.

RHESUS MACAQUE - Macaca mulatta

- Hetauda, dun forest, troop 1 19/11/78
- Bagmati R., E-W Highway, terai forest, troop 5 20/11/78
- Damak, troop 1 22/11/78
- Bhiwa, terai forest troop 30 28/11/78
- Damak, terai forest troop 12/12/78
- Belbani troop 18/12/78
- Dharan, terai forest troop 21/12/78
- Dharan, terai forest troop 70 26/12/78
- Pathalaya, terai forest troop 30/12/78
- Kodari, cultivated terraces troop 4,500' 3/1/79
- Femire troop 10/1/79
<table>
<thead>
<tr>
<th>Location</th>
<th>Count</th>
<th>Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pathalaya, terai forest</td>
<td>5</td>
<td>16/1/79</td>
</tr>
<tr>
<td>Pathalaya, terai forest</td>
<td>1</td>
<td>16/1/79</td>
</tr>
<tr>
<td>Chakrapur, terai forest</td>
<td>troop</td>
<td>22/1/79</td>
</tr>
<tr>
<td><strong>COMMON LANGUR - <em>Presbytis entellus</em></strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Hetauda, roadside ditch, terai forest</td>
<td>6</td>
<td>19/11/78</td>
</tr>
<tr>
<td>Bagmati R., E-W Highway, terai forest</td>
<td>troop</td>
<td>20/11/78</td>
</tr>
<tr>
<td>Thakle, Kankai R., foothill forest</td>
<td>1</td>
<td>27/11/78</td>
</tr>
<tr>
<td>Pathalaya, terai forest</td>
<td>troop</td>
<td>8/12/78</td>
</tr>
<tr>
<td>Chandranigahpur, dead on road</td>
<td>1</td>
<td>9/12/78</td>
</tr>
<tr>
<td>Chandranigahpur, terai forest</td>
<td>troop</td>
<td>9/12/78</td>
</tr>
<tr>
<td>Itahari, terai forest</td>
<td>troop</td>
<td>21/12/78</td>
</tr>
<tr>
<td>Chatra, isolated copse on bank of R. Kosi</td>
<td>troop</td>
<td>22/12/78</td>
</tr>
<tr>
<td>Dharan, dry stony river bed</td>
<td>troop</td>
<td>24/12/78</td>
</tr>
<tr>
<td>Dharan, terai forest</td>
<td>11</td>
<td>26/12/78</td>
</tr>
<tr>
<td>Dharan, terai forest</td>
<td>troop</td>
<td>27/12/78</td>
</tr>
<tr>
<td>Chandranigahpur, terai forest</td>
<td>troop</td>
<td>30/12/78</td>
</tr>
<tr>
<td>Pathalaya, terai forest</td>
<td>1</td>
<td>30/12/78</td>
</tr>
<tr>
<td>Pathalaya, terai forest</td>
<td>troop</td>
<td>30/12/78</td>
</tr>
<tr>
<td>Pathalaya, terai forest</td>
<td>troop</td>
<td>30/12/78</td>
</tr>
<tr>
<td>Chandranigahpur, terai forest</td>
<td>20</td>
<td>16/1/79</td>
</tr>
<tr>
<td>Chandranigahpur, terai forest</td>
<td>1</td>
<td>16/1/79</td>
</tr>
<tr>
<td>Chakrapur, terai forest</td>
<td>four troops</td>
<td>22/1/79</td>
</tr>
<tr>
<td><strong>PANGOLIN - <em>Manis pentadactyla</em></strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Dhankuta, one reportedly seen by aid worker</td>
<td></td>
<td>1/79</td>
</tr>
<tr>
<td><strong>INDIAN HARE (RUFOUS FAILED) <em>Lepus nigricollis rugicaudatus</em></strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Chatra, cut and grazed riverain grassland on banks of R. Kosi</td>
<td>4</td>
<td>23/12/78</td>
</tr>
<tr>
<td>Species</td>
<td>Location</td>
<td>Count</td>
</tr>
<tr>
<td>----------------------------------------------</td>
<td>-----------------------------------------------</td>
<td>-------</td>
</tr>
<tr>
<td><strong>HOARY BELLIED HIMALAYAN SQUIRREL</strong> Callosciurus pygerythrus</td>
<td>Lobrang, bank of R. Trisuli, 1000' in scrub</td>
<td>1</td>
</tr>
<tr>
<td><strong>FIVE STRIPED PALM SQUIRREL</strong> Funambulus pennati</td>
<td>Saurah, paddy fields</td>
<td>2</td>
</tr>
<tr>
<td></td>
<td>Lahan, village outskirts</td>
<td>1</td>
</tr>
<tr>
<td></td>
<td>Fatepur, paddy fields</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Fatepur, cultivated terai</td>
<td>1</td>
</tr>
<tr>
<td><strong>ASIATIC JACKAL</strong> Canis aureus indicus</td>
<td>Naubise</td>
<td>1</td>
</tr>
<tr>
<td></td>
<td>Thankot</td>
<td>1</td>
</tr>
<tr>
<td></td>
<td>Kirtipur</td>
<td>2</td>
</tr>
<tr>
<td></td>
<td>Swayambu, K.V.</td>
<td>1</td>
</tr>
<tr>
<td></td>
<td>Daman</td>
<td>1</td>
</tr>
<tr>
<td></td>
<td>Biratnagar, calling at night</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Damak, calling at night</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Biratnagar, calling at night</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Chatra, calling at night</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Dharan, calling at night</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Dharan, terai forest</td>
<td>1</td>
</tr>
<tr>
<td></td>
<td>Biratnagar, calling at night</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Chandranigahpur, terai forest, drinking at pool 11.00hrs.</td>
<td>1</td>
</tr>
<tr>
<td></td>
<td>Pathalaya, terai forest</td>
<td>1</td>
</tr>
<tr>
<td></td>
<td>Kathmandu, calling at night</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Lobrang</td>
<td>1</td>
</tr>
<tr>
<td></td>
<td>Pathalaya</td>
<td>1</td>
</tr>
<tr>
<td></td>
<td>Fatepur, dun forest</td>
<td>1</td>
</tr>
<tr>
<td></td>
<td>Chakrapur, calling at night</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Biratnagar, calling at night, 25/1/79, 26/1/79, 27/1/79, and 28/1/79</td>
<td></td>
</tr>
</tbody>
</table>
**INDIAN FOX** *Vulpes bengalensis*

- Jitpur, paddy fields 1 31/10/78
- Inaruwa, cultivated terai 3 27/11/78
- Damak, river bed 1 18/12/78
- Fatepur, dun forest/grazed thatchland 2 20/12/78
- Fatepur, grazed thatchland 2 21/12/78
- Chatra, vegetable plot 2 22/12/78
- Chatra, riverain grassland 1 23/12/78
- Kosi Barrage, cultivated terai, dead on road 1 29/12/78
- Bharda, cultivated terai 2 29/1/79

**SLOTH BEAR** *Melursus ursinus* or **HIMALAYAN BLACK BEAR** *Selenaribos thibetanus*

- Chakrapur. Tracks of a bear of one of these species found in a dried out mud pool in grazed and cut riverain grassland on west bank of R. Kosi on edge of terai forest. On account of altitude (475') probably *M. ursinus* 22/1/79

**RED PANDA** *Ailurus fulgens*

- Dharan, skin for sale in bazzar 1 24/12/78

**YELLOW THROATED MARTEN** *Martes flavigula*

- Daman, hill forest, 7,500' 2 1/11/78
- Dharan, skin for sale in bazzar 1 24/12/78

**Lutraidae Otter sp.**

- Kodari, spraint and tracks on bank of Bhote Kosi R. 4,500' 4/1/79
- Eurasian otter - *Lutra lutra*? 4/1/79
- Chakrapur, bank of R. Kosi, Indian smooth coated otter - *L. perspicillata* or Asian short clawed otter - *Aonyx cinerea*? 22/1/79
<table>
<thead>
<tr>
<th>Species Description</th>
<th>Location/Details</th>
<th>Date</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>SMALL INDIAN MONGOOSE</strong> <em>Herpestes auropunctatus</em></td>
<td>Chatra, cultivated terai</td>
<td>23/12/78</td>
</tr>
<tr>
<td></td>
<td>Chatra, cultivated terai</td>
<td>23/12/78</td>
</tr>
<tr>
<td></td>
<td>Pathalaya, terai forest</td>
<td>30/12/78</td>
</tr>
<tr>
<td><strong>COMMON INDIAN MONGOOSE</strong> <em>Herpestes edwardsi</em></td>
<td>Kosi Barrage, cultivated terai</td>
<td>19/12/78</td>
</tr>
<tr>
<td></td>
<td>Chatra, cultivated terai</td>
<td>22/12/78</td>
</tr>
<tr>
<td><strong>JUNGLE CAT</strong> <em>Felis chaus</em></td>
<td>Janakpur, dead on road</td>
<td>20/11/78</td>
</tr>
<tr>
<td></td>
<td>Chobar Gorge, K.V.</td>
<td>5/12/79</td>
</tr>
<tr>
<td></td>
<td>Chandranigahpur, terai forest</td>
<td>9/12/78</td>
</tr>
<tr>
<td></td>
<td>Baksalia, cultivated terai</td>
<td>30/1/79</td>
</tr>
<tr>
<td><strong>TIGER</strong> <em>Panthera tigris</em></td>
<td>Chakrapur, tigress and cubs reported living in terai forest by educated Nepali</td>
<td>22/1/79</td>
</tr>
<tr>
<td></td>
<td>Chatra, reported seen at dusk cross terai forest road by British engineer</td>
<td>11/79</td>
</tr>
</tbody>
</table>
FULMAR  *Fulmaris glacialis*

A few seen north of $46^\circ$N in Bay of Biscay and in English Channel 10-11/4/79

CORY'S SHEARWATER  *Puffinus diomedea*

18°E 34°N (N of Libya)  2  3/4/79
S of Sicily, N of Malta  25+ some fishing  4/4/79
9°50'E 37°50'N of Tunisia  5  5/4/79
N of Algeria  3  5/4/79
Straits of Gibraltar  4  7/4/79
10°W 38°40'N off Lisbon, Portugal  3  8/4/79

WEDGE-TAILED SHEARWATER  *Puffinus pacificus*

First seen in ones and twos at 70°E 18.5°N becoming more numerous further west in the Arabian Sea. Max. 80 on morning of 27/3/79 moving South at Straits of Bab el Mandeb (Red Sea)

Not seen after 27/3/79.

MANX SHEARWATER  *Puffinus puffinus*

S. of Sicily, N. of Malta. 6 fishing with Cory's shearwaters (*P. diomedea*). These were Levantine shearwaters (*Puffinus p. yelkouan*).  4/4/79

3°E 37°30'N of Algiers, Algeria. (*Puffinus p. puffinus*)  6/4/79

STORM PETREL  *Hydrobates pelagicus*

0°45'W 37°N of Oran, Algeria.  1 following ship  6/4/79

RED-BILLED TROPICBIRD  *Phaethon aethereus*

Between 71°E 18.5°N and 55°E 15.5°N (Arabian Sea), mainly singles. Max. of 24 on  24/3/79

Generally more numerous further west in Arabian Sea.

DALMATIAN PELICAN  *Pelicanus crispus*

Red Sea (42°E 17°N) 1 adult, 2 immatures flying southwards.  27/3/79
GANNET  *Sula bassana*

First seen 13°30'E, 36°30'N, S. of Sicily.  Adult  4/4/79
9°50'E, 37°50'N, N. of Tunisia  Immature  5/4/79
Numerous in Atlantic, moving north.
Max. 70 west of Portugal  8/4/79

MASKED BOOBY  *Sula dactylatra*

58°E, 16°N in Arabian Sea  6  24/3/79
54°E, 15°N in Arabian Sea  1  25/3/79

BROWN BOOBY  *Sula leucogaster*

Straits of Bab el Mandeb, and around Hanish
Isles (Red Sea)  44  27/3/79
W. of Jedda, Red Sea  1  28/3/79
S. entrance to Gulf of Suez  1  29/3/79

WHITE STORK  *Ciconia ciconia*

22°E, 34°N (S. of Greece). 1 flew NE high and fast  2/4/79

EIDER  *Somateria mollissima*

0°20'W, 49°45'N, S. of Brighton, English Channel  flying E. 35  11/4/79

HONEY BUZZARD  *Pernis apivorus*

Suez, Egypt.  flying NE 10+  31/3/79

SHORT TOED EAGLE  *Circaetus gallicus*

Suez, Egypt.  flying NE 9  31/3/79

BUZZARD  *Buteo buteo*

Suez, Egypt  flying NE 15+  31/3/79

LESSER SPOTTED EAGLE  *Aquila pomarina*

Suez to Bitter Lake, Egypt  flying NE 12+  31/3/79

BOOTED EAGLE  *Hieraaetus pennatus*

Suez, Egypt. (24 dark phase, 1 light phase)  flying NE 25+  31/3/79
**LESHER KESTREL**  *Falco naumanni*

Entrance to Gulf of Suez.  flying NE.  1  30/3/79

Great Bitter Lake, Egypt.  flying NE.  1  31/3/79

**KESTREL**  *Falco tinnunculus*

N. of Egypt 28°E  32°N, 2 hunting on deck,  1/4/79

still present on 2/4/79.  One seen catching exhausted swallow (*H. rustica*).

**RAPTOR SP.**

Many more raptors were seen flying over the Suez Canal in Egypt than were positively identified due to the birds being too distant.  Only one observer could keep watch continuously as we were asked to help cater for additional crew members.

**QUAIL**  *Coturnix coturnix*


**MOORHEN**  *Gallinula chloropus*

22°E,  34°N (S. of Crete).  1 landed on deck 1800 hrs.  2/4/79

**GREAT SKUA**  *Stercorarius skua*

10°E  37°20' N.  N. of western Tunisia  immature 1  5/4/79

Straits of Gibraltar  4  7/4/79

W. of Portugal  10  8/4/79

**HERRING GULL**  *Larus argentatus*

Seen throughout Mediterranean, Atlantic and English Channel.

**BROWN-HEADED GULL**  *Larus brunnicephalus*

Bombay docks  10+  21/3/79

**COMMON GULL**  *Larus canus*

Seen only in English Channel.

**LESSER BLACK-BACKED GULL**  *Larus fuscus*

First seen E. of S. Yemen 26/3/79.  In small numbers throughout the Red Sea, becoming more numerous in Mediterranean & Atlantic.
SOOTY GULL  *Larus hemprichii*

Seen throughout the Red Sea, max. of c.50 28/3/79

WHITE-EYED GULL  *Larus leucophthalmus*

Great Bitter Lake, Egypt. 1 31/3/79

BLACK-HEADED GULL  *Larus ridibundus*

Suez, Egypt, c.100 flying NW along canal 31/3/79

Also seen in Bombay, India, and in Western Europe.

KITTiwAKE  *Larus tridactylus*

Bay of Biscay 3 9/4/79

Brittany coast, France.  common 10/4/79

BRIDLED TERN  *Sternula anethetus*

Straits of Bab el Mandeb, Red Sea. 16 27/3/79

RAZORBILL  *Alca torda*

10°W 36°40'N (W. of Lisbon, Portugal) 1 8/4/79

Brittany coast, France. 3 10/4/79

GUILLEMET  *Uria aalge*

Brittany coast, France 15+ 10/4/79

PUFFIN  *Fratercula arctica*

Straits of Gibraltar flying W. 43 7/4/79

BEE EATER  *Merops apiaster*

Straits of Gibraltar on deck 1 7/4/79

SAND MARTIN  *Riparia riparia*

25°E 33°N (S. of Crete) 3 2/4/79

RED-RUMPED SWALLOW  *Hirundo daurica*

25°E 33°N (S. of Crete), with swallows *(H. rustica)* 5+ 2/4/79

SWALLOW  *Hirundo rustica*

Several groups of up to 35 using ship as gathering point before moving N. on 2/4/79 S. of Crete. Seen daily in smaller numbers in W. Mediterranean and Atlantic.
HOUSE MARTIN  *Delichon urbica*
Bay of Biscay flying around ship 1 9/4/79

WHITE WAGTAIL  *Motacilla alba*
Gulf of Suez flying NE. 2 30/3/79
Suez, Egypt 3+ 31/3/79

YELLOW WAGTAIL  *Motacilla flava*
Singles seen throughout Mediterranean, of undiscerned race, on 2/4/79 which flew off southwards.

REED WARBLER  *Acrocephalus scirpaceus*

Other species recorded from M.V. Marlene 'S' but not listed are as follows:– grey heron; mallard; greenshank; avocet; palm dove; hoopoe; crested lark; house sparrow; starling; jackdaw; hooded crow.

* * * * * * *
The following cetacean records were obtained during the return journey from Bombay to Rotterdam on the M.V. "Marlene - S". Dr. P.G.H. Evans gave invaluable advice on the identification of the sightings.

**Delphinidae**

One hundred and twenty dolphins were sighted during the voyage. However, only those schools in which at least one individual was speciated have been included here.

**RED SEA BOTTLE NOSED DOLPHIN** *Tursiops truncatus*

1. Arabian Sea, N.E. of Sokotra Island, 57°43'E 15°57'N - school 24/3/79

2. Arabian Sea, N. of Sokotra Island, 52°05'E 14°55'N - 3 - 25/3/79

3. Red Sea, Quoin Islands, 42°50'E 13°50'N - 15 - 27/3/79


**COMMON DOLPHIN** *Delphinus delphis*

1. Arabian Sea, 63°N 23/3/79


3. Atlantic Ocean, off Cape Carvoeiro in Portugal - school of 10 observed at dusk swimming ahead of the bows of the "Marlene-S". Speed of vessel 13.5 knots, dolphins remained for fifteen minutes.

8/4/79.

**HUMPBACK AND RORQUAL WHALES** *Balaenopteridae*

During the three days of passage through the Arabian Sea, eighteen whales were seen:

1. Arabian Sea, 65°21'E 16°59'N, 1300 hrs observed spouting, upending surfacing and leaping out of the water - 3 - 23/3/79.