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UNIVERSITY OF EAST ANGLIA

NEPAL EXPEDITION 1978 - 79

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

SUMMARY

The University of East Anglia Nepal Expedition 1978-79 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.

BIRD RECORDS FROM NEPAL - Chris Bowden

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 garzetta

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
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30 km. W. of Lahan	3	30/12/78
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Kosi barrage max. 40 feeding on meadows E. of dam		17/1/79
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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
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(family party?)

Damak	1	18/12/78
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5km. S. of Chatra	1	23/12/78
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BLACK NECKED STORK - Xenorhynchus asiaticus

Saura, Chitwan		singles on 15 & 16/11/78
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Chakrapur, R. Kosi	2	20/1/79
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circling high, descended into paddifield.

Kosi barrage, W. side	1	24/1/79
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LESSER ADJUTANT STORK - Leptoptilus javanicus

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

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
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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
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GADWALL - Anas strepera

Kosi barrage	on W. side	117+	24/1/79
	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
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FERRUGINOUS DUCK - Aythya nyreca

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

RED CRESTED POCHARD - Netta rufina

E. side of Kosi barrage		2	24/1/79
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COTTON TEAL - Nettapus coromandelianus

E. side of Kosi barrage		4	19/12/78
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COMB DUCK - Sarkidiornis melanotos

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
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BLACK-WINGED KITE - Elanus caeruleus

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 perinopterus

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 - Aegyptius 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
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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 (<u>C. livia</u>)	4	5/12/78

WHITE-EYED BUZZARD - Butastur teesa

10km. S. of Chatra	2	23/12/78
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<u>BUZZARD - Buteo buteo buteo</u>		
45km. S. of Ilam	1	26/11/78
(STEPPE BUZZARD - <u>Buteo buteo vulpinus</u>)		
40km. S. of Dattam	1	7/12/78
Damak	1	17/12/78
<u>SPOTTED EAGLE - Aquila clanga</u>		
10km. N. of Fatepur. Circling with vultures	1	20/12/78
<u>LESSER SPOTTED EAGLE - Aquila pomarina</u>		
E. end of Kosi barrage. Chasing each other	2	24/1/79
<u>STEPPE EAGLE - Aquila nipalensis</u>		
Kathmandu, Monkey Temple	1	30/11/78
Chobar Gorge	4	5/12/78
<u>CHANGABLE HAWK-EAGLE - Spizaetus limnaeetus</u>		
25km. towards Kodari from Kathmandu	1	8/1/79
<u>OSPREY - Pandion haliaetus</u>		
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
<u>RED-THIGHED FALCONET - Microhierax caernlescens</u>		
5km. S. of Dharan	1	24/12/78
Fatepur	1	18/1/79
<u>RED HEADED MERLIN - Falco Chicquera</u>		
Kosi barrage. One on West side, hunting yellow breasted		
buntings. It was chased off by a black winged kite.		
		24/1/79
<u>LESSER KESTREL - Falco naumanni</u>		
8 km. N. of E-W highway at River Kankai	1	26/11/78
Chatra	1	23/12/78

10km. S. of Chatra	1	23/12/78
Lanosangu	2	3/1/79
R. Kosi nr. Fatepur	1	21/1/79
<u>SHAHIN FALCON - Falco peregrinus peregrinator</u>		
Chatra, entrance to canal. One seen carrying off red wattled plover (<i>V. indicus</i>)	1	24/12/78
W. edge of K.V. One chasing flock of Blue Rock Pigeons	1	12/1/79
<u>HOBBY sp. - Falco severus or subbuteo</u>		
Kathmandu, New Road.	1	5/11/78
<u>KESTREL - Falco tinnunculus</u>		
Scattered singles in terai and K.V.		
<u>BLACK FRANCOLIN - Francolinus francolinus</u>		
5 km. N.E. of Fatepur in grassland	1	23/1/79
<u>KALEEJ PHEASANT - Lophura leucomelana</u>		
Nagarjun Ban, Royal Forest, Kathmandu	1	9/11/78
Fatepur	3	21/1/79
<u>RED JUNGLE FOWL - Gallus gallus</u>		
Saura & Tiger Tops, Chitwan.		
Several seen at both localities.	1-14	16/11/78
Several seen from E-W highway & at Fatepur		21/1/79
<u>PEAFOWL - Pavo cristata</u>		
Saura & Tiger Tops, Chitwan.		
Several in each locality.		15-18/11/78
<u>WHITE-BREASTED WATERHEN - Amaurornis phoenicurus</u>		
Trijuga valley, Fatepur	1	20/12/78
W. Bank of Kosi, nr. Fatepur	2	21/1/79
<u>MOORHEN - Gallinula chloropus</u>		
Saura, Chitwan	3	15/11/78
Kosi barrage	2	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
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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	flying East 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
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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 echropus

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

REDSHANK - Tringa totanus

Saura, Chitwan. 1 on R. Rapti. 1 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

Karanga	2	13/11/78
	heard	18/12/78
Chatra, R. Kosi	2	22/12/78
Lamosangu	8	3/1/79

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
	8	19/11/78
Tiger Tops, Chitwan	2	17/11/78

HERRING GULL - Larus argentatus

R. Kosi nr. Fatepur	1	21/1/79
Kosi barrage	1	24/1/79

BROWN HEADED GULL - Larus brunnicephalus

Kosi barrage	6	20/11/78
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GREAT BLACK HEADED GULL - Larus ichthyaetus

R. Rapti, Tiger Tops	17/11/78	5	23/12/78
Chatra, R. Kosi	22/12/78	1	24/12/78

BLACK HEADED GULL - Larus ridibundus

Kosi barrage	20/11/78,	7 flew south	24/1/79
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BLACK-BELLIED TERN - Sterna melanogaster

Kosi barrage	20	20/11/78
several between Chatra and barrage in January 79.		
Chatra	30	23/12/78
10km.N of Fatepur. One carrying fish		20/12/78

The most numerous Tern seen on the main rivers in terai.

INDIAN RIVER TERN - Sterna aurantia

R. Rapti, Chitwan		17/11/78
R. Kosi, Chatra	20	23/12/78
Kosi barrage, several regularly between		20-24/1/79

CASPIAN TERN - Hydroprogne tschegrava

5km. S. of Chatra, R. Kosi	3+	23/12/78
Kosi barrage	2	17/1/79
1 on E. side, 2 on W. side		24/1/79
Kosi, nr. Fatepur	2	21/1/79

GULL BILLED TERN - Gelochelidon nilotica

4km. N. of Kosi barrage	1	23/1/79
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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.

RUFIOUS 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
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EMERALD DOVE - Chalcophaps indica

Trijuga valley, 10km. N. of Fatepur	1	20/12/78
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BENGAL GREEN PIGEON - Treron phoenicoptera

5km. E. of Damak	2	14-17/12/78
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ROSE-BREASTED PARAKEET - Psittacula alexandri

67km. S. of Ilam	common (20+)	23-24/11/78
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BLOSSOM-HEADED PARAKEET - Psittacula cyanocephala

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

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

LARGE COUCAL or CROW-PHEASANT - Centropus sinensis

Saura, Chitwan several 14-18/11/78

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

Kosi barrage 2 17/1/79

2 24/1/79

BROWN FISH OWL - Bubo zeylonensis

Saura, Chitwan in Sal forest nr. R. Rapti 1 18/11/78

BARRED OWLET - Glaucidium cuculoides

20km. W. of Kosi barrage 6 19/12/78

Fatepur 1 18/1/79

JUNGLE OWLET - Glaucidium radiatum

5km. S. of Hetauda 1 8/12/78

Chatra 1 22/12/78

SPOTTED OWLET - Athene brama

Around habitation such as Kathmandu and Biratnagar

Swayambhu 5 together 2/12/78

LONG TAILED NIGHTJAR - Caprimulgus macrurus

Nagarjun Ban Royal Forest, Kathmandu 1 8/11/78

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

CRESTED TREE SWIFT - Hemiprocne longipennis

Karanga 10+ 8/12/78

5km. S. of Dharan 3+ 24/12/78

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+	13/11/78	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
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Several scattered records from pools and rivers in E. terai.

CHESTNUT-HEADED BEE-EATER - Merops leschenaulti.

67km. S. of Ilam	4+	23/11/78
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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 - <u>Upupa epops</u>		
Scattered singles and pairs seen in the terai.		
GRAY HORNBILL - <u>Tockus birostris</u>		
5km. W. of Damak	1	16/12/78
Fatepur	1	18/1/79
GIANT HORNBILL - <u>Buceros bicornis</u>		
R. Kankai, 10km. N. of E-W highway.	2	flew
across river in evening.		27/11/78
BLUE-THROATED BARBET - <u>Megalaima asiatica</u>		
Nagarjun Ban Royal Forest, Kathmandu	2	8/11/78
GOLDEN-THROATED BARBET - <u>Megalaima franklinii</u>		
90km. N. of Biranj along Tribhuvan Raj Path.	1	13/11/78
LINEATED BARBET - <u>Megalaima lineata</u>		
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 - <u>Megalaima zeylanica</u>		
30km. E. of Hetauda	2	9/12/78
WRYNECK - <u>Jynx torquilla</u>		
Kosi barrage, W. side.	1	24/1/79
BLACK-NAPED WOODPECKER - <u>Picus canus</u>		
5km. S. of Hetauda	1	8/12/78
Godaveri, behind St. Xavier's School.	1	29/1/79
SMALL YELLOW-NAPED WOODPECKER - <u>Picus chloropophus</u>		
Saura, Chitwan	1	15/11/78
LARGE YELLOW-NAPED WOODPECKER - <u>Picus flavinucha</u>		
Godaveri, behind St. Xaviers school	1	8/1/79

LESSER 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 - Dendrocopus auriceps

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

GRAY-CROWNED PIGMY WOODPECKER - Dendrocopus 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 raytal

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 grass land 5km. W. of Damak.

PADDYFIELD PIPIT (RICHARD'S PIPIT) - Anthus nomeseelandiae

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

8 km. W. of Damak 3+ 18/12/78

10km. S. of Chatra	2	23/12/78
Kosi barrage	1	17/1/79
R. Kosi nr. Fatepur	2	21/1/79
DARK CUCKOO-SHRIKE - <u>Coracina melaschistos</u>		
Fatepur	1	18/1/79
LARGE CUCKOO-SHRIKE - <u>Coracina novaehollandiae</u>		
Seen at seven localities in Eastern terai. Usually pairs but four together 5km. W. of Damak on 14/12/78.		
SHORT-BILLED MINIVET - <u>Pericrocotus brevirostris</u>		
Chakrapur	2	21/1/79
LONG-TAILED MINIVET - <u>Pericrocotus ethologus</u>		
Swayambhu, K.V.	1	7/11/78
90km. N. of Birganj along Tribhuvan Raj Path.	3	13/11/78
67km. S. of Ilam	3	23/11/78
Chakrapur	2	21/1/79
SMALL MINIVET - <u>Pericrocotus cinnamomeus</u>		
3km. N. of E-W highway up R. Kankai	20	25/11/78
10km. N. of Fatepur	30	20/12/78
SCARLET MINIVET - <u>Pericrocotus flammeus</u>		
Seen in terai and foothill forests and at Chatra, Chakrapur, Tribhuvan Raj Path and 60km. S. of Ilam.		
PIED WOOD-SHRIKE - <u>Hemipus picatus</u>		
Fairly common in terai and foothill forests.		
LESSER WOOD-SHRIKE - <u>Tephrodornis pondicerianus</u>		
Fatepur	2	18/1/79
RED-VENTED BULBUL - <u>Pycnonotus cafer</u>		
Common in most areas, particularly cultivated & thatchland areas of the terai.		

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 nigriceps

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
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BROWN DIPPER - Cinclus pallasii

Kathmandu-Kodari road	common	3-4/1/79
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SIBERIAN RUBYTHROAT - Luscinia calliope

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

BLUETHROAT - 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.

HODGSON'S REDSTART - Phoenicurus hodgsoni

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 - Mouticola solitaria

Chatra	1	24/12/78
Chakrapur	1	20/1/79
Kosi barrage	1	24/1/79

WHISTLING THRUSH - Myiophonus 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

<u>WHITE-CRESTED LAUGHING-THRUSH - Garrulax leucolophus</u>		
Nagarjun Ban Royal Forest, K.V.	4	8/11/78
Godaveri, behind St. Xavier's school	1	8/1/79
<u>RUFOUS-CHINNED LAUGHING-THRUSH - Garrulax rufogularis</u>		
Godaveri, behind St. Xavier's school	5	8/1/79
<u>BLUE-WINGED LAUGHING-THRUSH - Garrulax squamatus</u>		
90km. N. of Birganj along Tribhuvan Raj Path,		
(5000')	1	13/11/78
<u>BLACK-CAPPED SIBIA - Heterophasia capistrata</u>		
Daman (8000')	3	30/12/78
Kodari	common	3/1/79
<u>PADDYFIELD WARBLER - Acrocephalus agricola</u>		
5km. N.E. of Fatepur	2	23/1/79
Kosi barrage	1	24/1/79
<u>LESSER WHITETHROAT - Sylvia curruca</u>		
Saura, Chitwan (900')	1	19/11/78
<u>YELLOW-THROATED LEAF WARBLER - Phylloscopus cantator</u>		
5km. S. of Dharan (1000')	1	25/12/78
<u>CHIFFCHAFF - Phylloscopus collybita</u>		
Seen at Saura, Chitwan; Chatra and Damak.		
<u>DUSKY WARBLER - Phylloscopus fuscatus</u>		
Saura, Chitwan	1	14/11/78
<u>YELLOW-BROWED WARBLER - Phylloscopus inornatus</u>		
The common leaf-warbler in terai forests, seen in the K.V.;		
Dharan; Chatra; Fatepur and Saura, Chitwan areas.		
<u>GREY-FACED LEAF-WARBLER - Phylloscopus maculipennis</u>		
Godaveri, behind St. Xavier's school	2	8/1/79
<u>PALLAS'S LEAF WARBLER - Phylloscopus proregulus</u>		
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 sutorius

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

RED-BREASTED FLYCATCHER - Ficedula parva

Fairly common throughout.

ORANGE-GORGETTED FLYCATCHER - Ficedula strophiatea

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

RUFIOUS-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-BELLIED 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 concinnus

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
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YELLOW-CHEEKED TIT - Parus xanthogenys

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

Godaveri	3+	9/1/79
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Kathmandu - Pokhara road	2	12/1/78
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CHESTNUT-BELLIED NUTHATCH - Sitta castanea

67km. S. of Ilam	2	24/11/78
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2km. N. of Chatra	2	27/12/78
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Fatepur	18/1/79 and 2+	21/1/79
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Chakrapur	several	20/1/79
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VELVET-FRONTED NUTHATCH - Sitta frontalis

Saura, Chitwan	2	15/11/78
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R. Kankai, 5km. N. of E-W highway.	1	26/11/78
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Chakrapur	2+	20/1/79
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WALLCREEPER - Tichodroma muraria

R. Kankai 4km. N. of E-W highway (1000')	1	26/11/78
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Lamosangu	1	3/1/79
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Kathmandu-Pokhara road	2	10/1/79
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10km. S. of Daman	1	14/1/79
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HIMALAYAN TREE CREEPER - Certhia himalayana

Godaveri, behind St. Xavier's school (4500')	1	9/1/79
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THICK-BILLED FLOWERPECKER - Dicaeum agile

20km. W. of Kosi barrage	3	15/1/79
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PURPLE SUNBIRD - Nectarinia asiatica

10km. N. of Fatepur	1	20/12/78
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20km. W. of Kosi barrage	2	16/1/79
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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 - Melophus 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.

LITTLE-BRONZED DRONGO - Dicrurus aeneus

Godaveri	4	9/1/79
5km. N. of Kalitar	6	15/1/79
Chakrapur	3	20/1/79

CROW-BILLED DRONGO - Dicrurus annectens

Saura, Chitwan	10	15/11/78
5km. S. of Dharan	2	24/12/78

WHITE-BELLIED DRONGO - Dicrurus caerulescens

Saura, Chitwan	1	15/11/78
10km. N. of Fatepur	1	20/12/78
5km. S. of Dharan	1	24/12/78
Fatepur	2	18/1/79
"	1	21/1/79

HAIR-CRESTED DRONGO - Dicrurus hottentottus

67km. S. of Ilam	1	23/11/78
50km. E. of Hetanda	1	9/12/78
10km. N. of Fatepur	10	20/12/78

ASHY DRONGO - Dicrurus leucophaeus

Seen in 8 terai localities. Much less common than
black drongo (D. adsimilis)

GREATER RACKET-TAILED DRONGO - Dicrurus paradiseus

Chakrapur	1	20/1/79
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JAY - Garrulus glandarius

Godaveri	2	9/1/79
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RED-BILLED BLUE MAGPIE - Cissa erythrorhyncha

5km. E. of Hetanda	2	8/12/78
36km. S. of Daman along Tribhuvan Raj Path.	2	30/12/78
Godaveri	3	8/1/79
Kathmandu-Pokhara road	4	12/1/79
5km. N. of Kalitar	3	15/1/79
Fatepur	2	18/1/79

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.

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MAMMAL RECORDS OF THE U.E.A. NEPAL EXPEDITION 1978/79 - Paul Newton

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, 24/1/79.

Biratnagar, large numbers roosting in trees in bazaar, 28/12/78,
29/12/78, 25/1/79.

RHESUS MACAQUE - Macaca mulatta

Hetauda, dun forest,	1	19/11/78
Bagmati R., E-W Highway, terai forest,	5	20/11/78
Damak,	1	22/11/78
Bhiwa, terai forest	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	70	26/12/78
Pathalaya, terai forest	troop	30/12/78
Kodari, cultivated terraces	4,500'	troop 3/1/79
Femire	troop	10/1/79

Pathalaya, terai forest	5	16/1/79
Pathalaya, terai forest	1	16/1/79
Chakrapur, terai forest	troop	22/1/79

COMMON LANGUR - Presbytis entellus

Hetauda, roadside ditch, terai forest	6	19/11/78
Bagmati R., E-W Highway, terai forest	troop	20/11/78
Thakle, Kankai R., foothill forest	1	27/11/78
Pathalaya, terai forest	troop	8/12/78
		9/12/78
Chandranigahpur, dead on road	1	9/12/78
Chandranigahpur, terai forest	troop	9/12/78
Itahari, terai forest	troop	21/12/78
Chatra, isolated copse on bank of R. Kosi	troop	22/12/78
Dharan, dry stony river bed	troop	24/12/78
Dharan, terai forest	11	26/12/78
Dharan, terai forest	troop	27/12/78
Chandranigahpur, terai forest	troop	30/12/78
Pathalaya, terai forest	1	30/12/78
Pathalaya, terai forest	troop	30/12/78
Pathalaya, terai forest	troop	30/12/78
Chandranigahpur, terai forest	20	16/1/79
Chandranigahpur, terai forest	1	16/1/79
Chakrapur, terai forest	four troops	22/1/79

PANGOLIN - Manis pentadactyla

Dhankuta, one reportedly seen by aid worker		1/79
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INDIAN HARE (RUFOS FAILED) Lepus nigricollis rugicaudatus

Chatra, cut and grazed riverain grassland on banks of R. Kosi	4	23/12/78
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HOARY BELLIED HIMALAYAN SQUIRREL Callosciurus pygerythrus

Lobrang, bank of R. Trisuli, 1000' in scrub	1	11/1/79
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FIVE STRIPED PALM SQUIRREL Funambulus pennati

Saurah, paddy fields	2	15/11/78
Lahan, village outskirts	1	20/12/78
Fatepur, paddy fields	3	21/12/78
Fatepur, cultivated terai	1	19/1/79

ASIATIC JACKAL Canis aureus indicus

Naubise	1	28/11/78
Thankot	1	29/11/78
Kirtipur	2	29/11/78
Swayambu, K.V.	1	3/12/78
Daman	1	5/12/78
Biratnagar, calling at night		11/12/78, 12/12/78
Damak, calling at night,		14/12/78, 15/12/78, 16/12/78, 17/12/78
Biratnagar, calling at night		18/12/78
Chatra, calling at night		22/12/78
Dharan, calling at night		25/12/78, 26/12/78
Dharan, terai forest	1	26/12/78
Biratnagar, calling at night		28/12/78
Chandranigahpur, terai forest, drinking at pool 11.00hrs.	1	30/12/78
Pathalaya, terai forest	1	30/12/78
Kathmandu, calling at night		5/1/79, 6/1/79
Lobrang	1	10/1/79
Pathalaya	1	16/1/79
Fatepur, dun forest	1	18/1/79
Chakrapur, calling at night		22/1/79
Biratnagar, calling at night, 25/1/79, 26/1/79, 27/1/79, and		28/1/79
Baksalia, calling at night		29/1/79

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 orHIMALAYAN BLACK BEAR Selenaribos thibetanus

Chakrapur. Tracks of a bear of one of these species found in 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 bazaar 1 24/12/78

YELLOW THROATED MARTEN Martes flavigula

Daman, hill forest, 7,500' 2 1/11/78

Dharan, skin for sale in bazaar 1 24/12/78

Lutrinae Otter sp.

Kodari, spraint and tracks on bank of Bhote Kosi R. 4,500'

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

SMALL INDIAN MONGOOSE Herpestes auropurctatus

Chatra, cultivated terai	1	23/12/78
Chatra, cultivated terai	1	23/12/78
Pathalaya, terai forest	1	30/12/78

COMMON INDIAN MONGOOSE Herpestes edwarsi

Kosi Barrage, cultivated terai	1	19/12/78
Chatra, cultivated terai	1	22/12/78

JUNGLE CAT Felis chaus

Janakpur, dead on road	1	20/11/78
Chobar Gorge, K.V.	1	5/12/79
Chandranigahpur, terai forest	1	9/12/78
Baksalia, cultivated terai	1	30/1/79

TIGER Panthera tigris

Chakrapur, tigress and cubs reported living in terai forest by educated Nepali		22/1/79
Chatra, reported seen at dusk cross terai forest road by British engineer	1	11/79

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BIRD RECORDS FROM THE RETURN JOURNEY - Chris BowdenFULMAR Fulmaris glacialis

A few seen north of 46°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) 1 6/4/79STORM 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

LESSER 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

22°E, 34°N (S. of Crete). 1 flew NE fast pursued by kestrel
(F. tinnunculus) and herringgulls (L. argentatus) 2/4/79

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	<u>Larus hemprichii</u>		
	Seen throughout the Red Sea, max. of c.50		28/3/79
WHITE-EYED GULL	<u>Larus leucophthalmus</u>		
	Great Bitter Lake, Egypt.	1	31/3/79
BLACK-HEADED GULL	<u>Larus ridibundus</u>		
	Suez, Egypt, c.100 flying NW along canal		31/3/79
	Also seen in Bombay, India, and in Western Europe.		
KITTIWAKE	<u>Larus tridactylus</u>		
	Bay of Biscay	3	9/4/79
	Brittany coast, France.	common	10/4/79
BRIDLED TERN	<u>Sterna anathetus</u>		
	Straits of Bab el Mandeb, Red Sea.	16	27/3/79
RAZORBILL	<u>Alca torda</u>		
	10°W 38°40'N (W. of Lisbon, Portugal)	1	8/4/79
	Brittany coast, France.	3	10/4/79
GUILLEMOT	<u>Uria aalge</u>		
	Brittany coast, France	15+	10/4/79
PUFFIN	<u>Fratercula arctica</u>		
	Straits of Gibraltar	flying W. 43	7/4/79
BEE EATER	<u>Merops apiaster</u>		
	Straits of Gibraltar	on deck 1	7/4/79
SAND MARTIN	<u>Riparia riparia</u>		
	25°E 33°N (S. of Crete)	3	2/4/79
RED-RUMPED SWALLOW	<u>Hirundo daurica</u>		
	25°E 33°N (S. of Crete), with swallows (<u>H. rustica</u>)5+		2/4/79
SWALLOW	<u>Hirundo rustica</u>		
	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, often using ship as resting point. All moving N. except one on 2/4/79 which flew off southwards.

REED WARBLER Acrocephalus scirpaceus

30°E 32°30'N., North of Alexandria, Egypt. One landed on deck exhausted 1/4/79.

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.

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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 uduncus

1. Arabian Sea, N.E. of Sokotra Island, $57^{\circ}43'E$ $15^{\circ}57'N$
school 24/3/79
2. Arabian Sea, N. of Sokotra Island, $52^{\circ}05'E$ $14^{\circ}55'N$ -3- 25/3/79
3. Red Sea, Quoin Islands, $42^{\circ}50'E$ $13^{\circ}50'N$ - 15 - 27/3/79
4. Red Sea, Gulf of Suez, $33^{\circ}E$ $29^{\circ}N$ - schools of 12, 6, 3, 1 -30/3/79.

COMMON DOLPHIN Delphinus delphis

1. Arabian Sea, $63^{\circ}N$ 23/3/79
2. Mediterranean, twenty miles N. of Agliers - school - 6/4/79.
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, $63^{\circ}21'E$ $16^{\circ}59'N$, 1300 hrs observed spouting, upending surfacing and leaping out of the water - 3 - 23/3/79.