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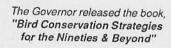


First National Seminar on "CHANGING SCENARIO OF BIRD ECOLOGY AND CONSERVATION"

12-14 November 1993



His Excellency Shri Khurshed Alam Khan, Governor of Karnataka inaugurated the Seminar by unveiling the portrait of the late Dr. Salim Ali on his 97th Birthday.







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EDITORIAL

Ornithological Society of India Seminar

The great event of 1993 was the Seminar on Changing Scenario of Bird Ecology and Conservation, between 12th and 14th November, in Bangalore. The number of participants exceeded our expectations and Mr. A.N. Yellappa Reddy, Special Secretary to Government, Department of Forest, Environment and Ecology, gave us all the support that was required - venue, accommodation, food and transport. This is how it should be. The NGO's provide the stimulus and Government provides the infrastructure. S. Sridhar and his associates (too many to be named) were on their toes for many months, and Abraham Verghese and A.K. Chakravarthy managed the impossible in producing a volume of the papers presented for the seminar ready at the Registration Desk on the inaugural day. Considerable amounts were raised by our supporters including members of our Newsletter, but these may still fall short of the total expenditure. We must thank Col. R.T. Chacko for having arranged for the shoulder bags and other souvenirs which we hope will be useful to the participants even after the seminar. The members of the Organising and Reception Committees, headed by Mr. A.K. Bhoja Shetty, spent many hours planning this meeting and all that I can say in return is that their effort was greatly appreciated by everybody. It was good of H.E. The Governor of Karnataka, Shri Khursheed Alam Khan to inaugurate the meeting and in his speech he stressed the importance of Government supporting voluntary agencies as they had done in the case of this Seminar. We all hope that this trend will continue.

I produce here a note which I have sent to the Regional Secretaries of the Ornithological Society of India, to keep our readers informed about the future of the OSI:

Z. Futehally gave an account of the formation of the Ornithological Society of India during a Seminar on Ornithology organised by Dr. Asha Chandola Sakhlani, in November 1991. At that time certain ad-hoc decisions were taken about the Registration of the Society and appointment of Office bearers. Z. Futehally was nominated President and Dr. Asha Sakhlani as Secretary General.

In August 1992, a meeting was held at the Bangalore Club in which the future of the OSI was discussed and it was decided that Regional Secretaries be appointed for each region of the country and accordingly the following Regional Secretaries were appointed:-

Hyderabad Aasheesh Pittie

14-7-370 Begum Bazar, Hyderabad 500 012

Pune Prakash Gole

Ecological Society, 1B Abhimanshree Housing Society, Off Pashan Road

Pune 411 001

Bombay Rishad Naoroji

Godrej Bhavan, 4A Home Street, Fort,

Bombay - 400 001

Bangalore Abraham Verghese

139, 2nd Main, Domlur 2nd Stage

Bangalore - 560 071

New Delhi Abdul Jamil Urfi

A/270, Jamia Nagar, Okhla New Delhi - 110 025

It was decided that further Regional Secretaries would be appointed as and when suitable persons were identified who could fill the post.

After further discussions by the President with the Secretary General and with some of the Regional Secretaries and other supporters of the OSI, it was agreed that the following Office Bearers would be nominated for the next two years, i.e. from 1.1.1994 till 31.12.1996:

President Zafar Futehally

Flat 2205 Oakwood II, Jakkasandra, Koramangala 8th Main, Bangalore 560 034

(Mr. Futehally wished to resign to make way for a younger and more competent person and would do so as soon as the Executive Committee requested him to step down).

Secretary General

Asha Chandola Sakhlani P.Box 45, Gharwal University, Srinagar 246 174, UP

Treasurer M.G. Muthanna

16, Cubbon Road, Bangalore 560 001

Regional Secretaries

Andhra Pradesh Aasheesh Pittie

14-7-370 Begum Bazar, Hyderabad 500 012

Maharashtra Rishad Naoroji

Godrej Bhawan, 4A Home Street, Fort,

Bombay 400 001

Prakash Gole Ecological Society,

1B Abhimanshree Housing Society, Off Pashan Road, Pune 411 001

Uttar Pradesh Asad Rahmani

Centre of Wildlife & Ornithology,

Aligarh Muslim University, Aligarh 202 002

Gujarat Lavkumar Khacher

646, Vastunirman, Gandhinagar,

Gujarat 382 022

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139, 3nd Main, Domlur 2nd Stage,

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Delhi Abdul Jamil Urfi

A/270, Jamia Nagar, Okhla,

New Delhi 110 025

Assam Prasanta Kumar Saikia

Lecturer, Department of Zoology,

Gauhati University, Guwahati,

Assam 781 014

Kerala Shashi Kumar C

9, Subhash Nagar, Cannanore,

Kerala 670 002

It was agreed that the Secretary General would suggest names of others in the Northern Region. It was decided that the Regional Secretaries would appoint their own Committee to assist them in their work. The President emphasised that it was the firm policy of the OSI that the regions should operate in an independent and autonomous manner, but that the Secretary General was to be kept informed about major activities in the region.

Close cooperation between the regions for the promotion of ornithology and conservation was the main guiding principle of the OSI. The President concluded with the hope that the OSI would set an example in effective networking with all interested groups in the country, without interfering, but fully supporting the activities of well established institutions like the Bombay Natural History Society, the Salim Ali Centre for Ornithology and Conservation, and other institutions. It was cheering to find that the selection of Office Bearers and Regional Secretaries was carried out in a spirit of complete cooperation without the usual problems associated with electioneering for positions. As stated above, the present tenure for office bearers and Regional Secretaries would be for the next two years.

It was decided that the Newsletter for Birdwatchers would, in future, be the mouthpiece of the OSI, and that its general policy and format would remain unchanged. The Regional Secretaries, however, would constitute the Advisory Board of the Newsletter. It was hoped that the full list of Regional Secretaries would be published in the January/February issue of the Newsletter. The Newsletter will continue to highlight the activities of the OSI. The Regional Secretaries are requested to periodically send notes about the activities in their region.

Preserving our Ficus Trees for the Birds

The Peepul and the Banyan are our most valuable trees from the ornithological point of view. I wonder whether our Regional Secretaries can start a campaign for listing the trees in their regions and having them numbered for record as well as for proper protection. The Regional Secretaries can do this in cooperation with the local authority, Municipality or Local Board and design an OSI plaque for fiking on the trees. It is instructive to note that the Fauna and Flora Preservation Society in the UK recognising that their country was the largest single importer of Brazilian mahogany, has asked for a moratorium "on the felling or purchase of mahogany until verificably sustainable management was in place". At last the world seems to be recognising that trees should flourish in situ and not be converted into furniture.

Birds of India

As far as birds go, India fortunately includes Bangladesh, Nepal, Pakistan and Sri Lanka, and Bikram Grewal has done a service to Indian birdwatchers by producing this useful book containing photos and terse descriptions meant to aid identification. Five hundred species have been described and there is a pleasant introduction which contains information not generally available. For example: "Teeth would weigh down the head of any bird wanting to fly efficiently, and so over the past million years birds have lost them and instead developed gizzards."

Laying hands on photographs of 500 birds in the wild is no easy task, and understandably some of the photos are sub-standard. But in the next addition the very bad ones of the common birds like the one of the Tailor bird on page 121, could easily be substituted by something better. It is true of course that even a bad picture of a bird is a great aid to identification, and the author had obviously this fact in mind when using the bad ones. What I find very worthwhile in this book are the indexes. There is the systematic Index of Families and species - 2060 in all, reproduced from the Handbook. An innovation is the list of alternate names now current in the Indian region. Changes in Nomenclature is going to pose a problem in future and we must check the innovators of the West from changing the established names of the East, at least as far as the common names are concerned. The index of scientific names and the one on common names makes this book an

excellent companion in the field and a valuable reference book at home. All books today are expensive, so the price of Rs.395/- for one with so many colour plates, is not unreasonable.

A Book of Kerala Birds

Prof. K.K. Neelakantan amazed everyone by his capacity to detect the smallest variation in the appearance or the behaviour of birds, and he was the right person to follow in the footsteps of Salim Ali and write about the changes which have taken place in the bird life of Kerala since Salim's book was published in 1969. In association with C. Sashikumar and R. Venugopalan, he worked on "A Book of Kerala Birds" which has just been published by the WWF State Committee. Many descriptions, fresh from the field (unlike collations from other sources) make this small book rather special.

The book is divided into two parts. Part I covers only the 'new' birds (those not recorded by Salim Ali) and Part II contains additional information on the birds dealt with in the Birds of Kerala by Salim Ali. The illustrations and colour plates by Carl D'Silva are excellent. The Glossary contains a list of many words which are clearly explained. There is a systematic index at the end, and one realises how rich Kerala is in its bird life by noting that 475 species and sub-species are listed out of the total of 2060 of the Indian Sub-Continent. The book is available from Thanal, P.B. No.815, Kawdiar, Trivandrum 695 003.

BIRDS OF PONMUDI HILLS AND KALLAR VALLEY

C. SUSANTH KUMAR, Prakiriti, Peroorkada, P.O. Thiruvananthapuram, Kerala - 695 005

Pomudi Hills in Thiruvananthapuram District of Kerala, is a hill resort, and forms a part of a range of hills in the Western Ghats. With the upgrading of its status as a hill resort, the development activities including a large scale Eucalyptus plantation (at Bireymore) seems to have changed the habitat once frequented by Salim Ali.

Kallar Valley is extremely rich in bird life and has many interesting forest species, like spider-hunters, trogons, piculets and blue-bearded bee-eaters. Yellow browed bulbuls are ubiquitous, hill mynas whistle and screech everywhere. When the trees are in fruit, the sad piping of grey-fronted green pigeons and the deep ominous 'wharp-vroo/vak-voor..' of green imperial pigeons can be heard near the fruit patches. Hunting parties of nuthatches, scimitar babblers, orange minivets, drongos and black headed babblers are always active, except in the midday heat. Brown wood owls, forest eagle owls, fish owls, hawk

owls, scops owls and barred jungle owlets fill the night with their calls.

Ponmudi is an ideal raptor country. Last year I had an unusual opportunity to observe 14 species of raptors at Ponmudi Breymore range. The black eagle is the common raptor of Ponmudi hills. Indian kestrel and blackwinged kite are seen here throughout the year. The red data bird, lesser kestrel, *Falco naumanni* was observed on two or three occasions near Ponmudi upper sanatorium. Crested serpent eagle, crested hawk eagle, and crested honey buzzard were observed at Kallar Valley.

One early morning at Ponmudi, my wife Bindu and I saw a sparrow-hawk killing a spotted dove. The same day a pair of kestrels were observed breaking off the dry slender branch of a tree and carrying it away for nesting.

On 20 March 1986, in the hill area I saw another bird of prey. It was slightly smaller than the pariah kite; upper parts deep brown with small buffy spots. Under parts brown with buff/whitish bars and streaks. Head grey and owl-like on frontal view. Unfeathered legs whitish to grey with black claws. Bill deep grey with black tip. Made harsh keea, kea, keea call, easily audible from a considerable distance. And this leaves no room for doubt — it was a short-toed eagle (Circaetus gallicus).

It was early in the afternoon but the rain forest in the Kallar Valley through which I was walking, was dark and gloomy. The forest was silent except for the distant clucking calls of Malabar grey hornbills in flight, and the sound of water dripping on to the forest floor. My footsteps on the rain-soaked leaf litter, were totally silent. Luck seemed to favour me that day. As I turned a corner, I noticed two orange headed ground thrushes feeding on the narrow path. Orange headed ground thrush is one of the rarest winter visitors of Kerala.

On 17.11.1983 I saw a pair of Pied ground thrushes fly out during the day from a small stream lined with dense reed thickets in front of 'Nerrippankuthu waterfall' (4 km from Kallar).

I was privileged to be a member of the trekking party who used to stay at the top of 'Ponmudi Varayadumudi' (325 metre elevation) for five years. The Ponmudi Varayadumudi forms the home of the endangered Nilgiri Tahr, a mountain goat endemic to the Western Ghats of Kerala and Tamil Nadu. The trek to this Tahr habitat is a difficult one. Short-eared owls, Nightjars (5 species), Grasshopper warblers, broad tailed grass warblers, laughing thrushes and black bulbuls are seen on the grassy slopes and sholas of this region.

Many stray records of birds have been reported from this Valley now and then. However, the most remarkable sighting I wish to announce is that of a Rufous bellied bush robin that I saw at one tributary of Kallar river (Mangalakarrikkal) on 3.1.1990. I have been observing this bird for 6 months. This being sighted for the first time in Kerala. Another important sighting was Blue-eared Kingfisher. The blue-eared kingfisher is one of the rarest Kingfishers of Kerala. On 18.11.1993, I observed a single bird near at Meenamutty waterfalls (2 km from Kallar). Another rare kingfisher the Blackcapped kingfisher was also observed near at Kallar bridge on 14.4.1992.

I have been visiting Ponmudi hills and Kallar Valley since 1979. I have been able to record 250 bird species so

far. Though this list presented below is by no means comprehensive, it intends to provide an impression of the avifauna of the Ponmudi Hills and Kallar Valley to those interested.

Acknowledgments

No. Name

Several people have helped me in this work and I wish to thank them for their cooperation. They are: Bindu Meher for field assistance and general help; C. Susheel Kumar and K.S. Venugopal for commenting on an earlier draft; S. Rajeevan and Kallar Rajan for their cooperation and willingness to discuss this theme.

Checklist of the Birds of Ponmudi Hills & Kallar Valley

Scientific Name

Family: PHALACROCORACIDAE							
001	Little Corrmorant	Phalacrocorax niger					
Fami	ly : ARDEIDAE	inmed to being animotoxy					
002	Purple Heron	Ardea purpurea					
003	Little Green Heron	Ardeola striatus					
004	Pond Heron	Ardeola grayii					
005	Cattle Egret	Bubulcus ibis					
006	Smaller Egret	Egretta intermedia					
007	Little Egret	Egretta garzetta					
008	Night Heron	Nycticorax nycticorax					
009	Tiger Bittern	Gorsachius melanolophus					
010	Chestnut Bittern	Ixobrychus cinnamomeus					
011	Black Bittern	Ixobrychus flavicollis					
Fami	ly : ACCIPITRIDAE						
012	Blackwinged kite	Elanus caeruleus					
013	Crested Honey Buzzard	Pernis ptilorhyncus					
014	Pariah kite	Milvus migrans govinda					
015	Brahminy kite	Haliastur indus					
016	Shikra	Accipiter badius					
017	Crested Goshawk	Accipiter trivirgatus					
018	Asiatic Sparrow Hawk	Accipiter nisus nisosimilis					
019	Besra Sparrow Hawk	Accipiter virgatus besra					
020	Booted Eagle	Hieraaetus pennatus					
021	Rufousbellied Hawk Eagle	Lophotriorchis kienerii					
022	Black Eagle	Ictinaetus malayensis					
023	Greyheaded Fishing Eagle	Ictinaetus ichthyaetus					
024	Pale Harrier	Circus macrourus					
025	Montagu's Harrier	Circus pygargus					
026	Short-toed Eagle	Circaetus gallicus					
027	Crested Serpent Eagle	Spilornis cheela					
028	Indian Crested Hawk Eagle	Spizaetus cirrhatus					
029	Tawny Eagle (?)	Aquila rapax vindhiana					
Famil	y : FALCONIDAE						
030	Shahin Falcon	Falco peregrinus peregrinatar					
031	Lesser Kestrel	Falco naumanni					
032	Indian Kestrel	Falco tinnunculus objurgatus					
033	European Kestrel	Falco tinnunculus linnaeus					

	Fami	ly : PHASIANIDAE		Ean	ailu : ADODID AE	
					ily : APODIDAE	
	034	Jungle Bush Quail	Perdicula asiatica	083		Collocalia unicolor
	035	Painted Bush Quail	Perdicula erythrohyncha	084	Large Brownthroated	Chaetura gigantea
	036	Red Spurfowl	Galloperdix spadicea		Spinetail Swift	
	037	Grey Junglefowl	Gallus sonneratii	085	Whiterumped Spinetail Swift	Chaetura sylvatica
	Fami	ly: RALLIDAE		086	Alpine Swift	Micropus melba
				087	House Swift	Apus affinis
	038	Whitebreasted Waterhen	Amaurornis phoenicurus	088	Palm Swift	Cypsiurus parous
	Fami	ly : CHARADRIIDAE		089	Indian Crested Tree Swift	Hemiprocne longipennis
	039	Redwattled Lapwing	Vanellus indica	Fan	nily:TROGONIDAE	7
	040	Yellowwattled	Vanellus malabaricus	090	Malabar Trogen	Harmactas fasciatus
	010	Lapwing	v unettus mutuour teus		ily: ALCEDINIDAE	Harpactes fasciatus
	041		Tringa kumalayana	091	Lesser Pied Kingfisher	C11'-
	042	Cross Sandpiper	Tringa hypoleucos	091		Ceryle rudis
		Green Sandpiper	Tringa ochropus		Common Kingfisher	Alcedo atthis
	043	Snipe Sp.	Gallinago sp.	093	Blue-eared Kingfisher	Alcedo meninting
	Famil	ly : COLUMBIDAE		094	Storkbilled Kingfisher	Pelargopsis capensis
	044	Orange breasted Green	Treron bicincta	095	Whitebreasted kingfisher	Halcyon smynensis
	011	Pigeon	Treven dicineta	096	Blackcapped Kingfisher	Halcyon pileata
	045	Green Imperial Pigeon	Ducula aenea	Fam	ily : MEROPIDAE	
	046	Jerdon's Imperial Pigeon		097		141 1 10
			Ducula badia		Chestnut-headed Bee-eater	Merops leschenaulti
	047	Blue Rock Pigeon	Columba livia	098	Bluetailed Bee-eater	Merops philippinus
	048	Yellowlegged Green Pigeon	Treron phoenicoptera	099	Small Green Bee-eater	Merops orientalis
	049	Greyfronted Green Pigeon	Treron pompadara	Fam	ily : CORACIIDAE	
	050	Spotted Dove	Streptopelia chinensis	100	Indian Roller	Caracias benghalensis
	051	Emerald Dove	Chalcophaps indica	101	Broadbilled Roller	Eurystomus orientalis
	Famil	y : PSITTIACIDAE		Fam	ily : UPUPIDAE	
	052	Roseringed Parakeet	Psittacula krameri	102	Ноорое	<i>Ирира ерорѕ</i>
	053	Blossomheaded Parakeet	Psittacula cyanocephala			арири срорь
	054	Bluewinged Parakeet	Psittacula columboides		ily : BUCEROTIDAE	
	055	Indian Lorikeet	Loriculus vernalis	103	Malabar Grey Hornbill	Tockus griseus
			Loriculus del hatts	104	Great Indian Hornbill	Buceros bicarnis
	Famil	y : CUCULIDAE		Fam	ily : CAPITONIDAE	
	056	Pied Crested Cuckoo	Clamatar jacobinus	105	Small Green Barbet	Megalaima viridis
	057	Common Hawk Cuckoo	Cululus varius	106	Crimson-throated Barbet	Megalamia rubricapilla
	058	Indian Cuckoo	Cuculus micropterus			malabarica
	059	The Cuckoo	Cuculus canorus	107	Crimson Breasted Barbet	Megalaima haemacephala
	060	Small Cuckoo	Cuculus poliocephalus		ormoon breasted barbet	indica
	061	Banded Bay Cuckoo	Cacomantis sonneratii	Г	Il DICIDAE	marca
	062	Indian Plaintive Cuckoo	Cacomantis passerinus		ily : PICIDAE	
	063	Indian Drongo Cuckoo	Surniculus lugubiris	108	Speckled Piculet	Picumnus innominatus
	064	Indian Koel		109	Rufous Woodpecker	Micropternus brachyurus
	065	Small Greenbilled Malkoha	Eudynamys scolopacea	110	Little Scalybellied Woodpecker	Picus myrmecophoneus
			Rhopodytes viridirostris	111	Small Yellownaped Woodpecker	Picus chlorolophus
	066	Sirkeer Cuckoo	Taccocua leschenaultii	112	Lesser Goldenbacked	
	067	Southern Crow-pheasant	Centropus sinensis		Woodpecker	Dinopium bengalensis
4	068	Lesser Coucal	Centropus toulou benghalensis	113	Goldenbacked Threetoed	, , , , , , , , , , , , , , , , , , , ,
	Famil	y:STRIGIDAE			Woodpecker	Dinopium javanense
	069	Shorteared Owl	Asia flammans	114	Large Goldenbacked	,,
	070		Asio flammeus		Woodpecker	Chrysocolaptes lucidus
		Collared Scops Owl	Otus bakkamoena	115	Great Blackwoodpecker	Dryocopus javanensis
	071	Indian Scops Owl	Otus scops rufipennis	116	Yellowfronted Pied	Digocopus juvunensis
	072	Forest Eagle Owl	Bubo nipalensis	110	Woodpecker	Dandrocomos mahnattanais
	073	Brown Fish Owl	Bubo zeylonensis	117		Dendrocopos mahrattensis
	074	Jungle Owlet	Glaucidium radiatum		Pigmy Woodpecker	Dendrocopos nanus
	075	Brown Hawk Owl	Ninox scutulata	118	Heartspotted Woodpecker	Hemicircus canente
	076	Spotted Owlet	Athene brama	119	Blackbacked Woodpecker	Chrysocolaptes festivus
(077	Brown Wood Owl	Strix leptogrammica		1 DITTELD AN	
	Famili	g: CAPRIMULGIDAE			ly:PITTIDAE	
	078		Furnstandus macratic	120	Indian Pitta	Pitta brachyura
		Great Eared Nightjar	Eurostopodus macrotis			
	079	Indian Jungle Nightjar	Caprimulgus indicus	Fami	ly : ALAUDIDAE	
	080	Jerdon's Longtailed Nightjar	Caprimulgus macrurus	121	Ceylon Bush Lark	Mirafra assamica
	081	Common Indian Nightjar	Caprimulgus asiaticus	122	Short-toed Lark	Calandrella cinerea
(082	Franklin's Nightjar	Caprimulgus affinis	123	Small Nilgiri Skylark	Alauda gulgula australis
						0 0

Fam	ily : HIRUNDINIDAE		Fami	ily : IRENIDAE	
124	Dusky Crag Martin	Hirundo concolor	159	Common Iora	Aegithina tiphia
125	House Swallow	Hirundo tahitica	160	Gold Fronted Chloropsis	Chloropsis aurifrons
126	Indian Cliff Swallow	Hirundo fluvicola	161	Jerdon's Chloropsis	Chloropsis cochinchinensis
127	Redrumped Swallow	Hirundo daurica	162	Fairy Bluebird	Irena puella
128	Eastern Swallow	Hirundo rústica		en i Assorinsplantana	minuW borrenderldWktt
Fam	ily : LANIIDAE		Fami	ily : PYCNONOTIDAE	
129	Brown Shrike	Lanius ciristatus	163	Greyheaded Bulbul	Pycnonotus priocephalus
130	Greybacked Shrike	Lanius schach caniceps	164	Rubythroated Bulbul	Pycnonotus melanicterus
		STATE OF STATE STA	165	Redwhiskered Bulbul	Pycnonotus jocosus
Fam	ily : ORIOLIDAE		166	Redvented Bulbul	Pycnonotus cafer
131	Golden Oriole	Oriolus oriolus	167	Whitebrowed Bulbul	Pycnonotus luteolus
132	Blacknaped Oriole	Oriolus chinensis	168	Yellowbrowed Bulbul	Hypsipetes indicus
133	Blackheaded Oriole	Oriolus xanthornus	169	Black Bulbul	Hypsipetes madagascariensis
Fam	ily : DICRURIDAE				
134	Black Drongo	Dicrurus adsimilis	Fami	ly: MUSCICAPIDAE	
135	Ashy Drongo	Dicrurus leucophaeus	170	Spotted Babbler	Pellorneum ruficeps
136	Whitebellied Drongo	Dicrurus caerulescens	171	Travancore Scimitar Babbler	Pomatorhinus schisticeps
137	Bronze Drongo	Dicrurus aeneus	172	Whitethroated Babbler	Dumetia hyperythra
138	Racket-tailed Drongo	Dicrurus remifer	173	Blackheaded Babbler	Phopocichla atriceps
139	Hair Crested Drongo	Dicrurus hottentottus	174	Jungle Babbler	Turdoides straitus
100	Than Crested Drongs	Diet al ab licitette	175	White headed Babbler	Turdoides affinus
Fami	ily : ARTAMIDAE		176	Wynad Laughing Thrush	Garrulax delesserti
140	Ashy Swallow Shrike	Artamus fuscus	177	Whitebreasted Laughing Thursh	
140	Asily Swallow Sliffke	Miumus juscus	178	Quaker Babbler	Alcippe poioicephala
Fami	ily : STURNIDAE		179	Rufous Babbler	Turdoides subrufus
141	Greyheaded Myna	Sturnus malabaricus	180	Brown Flycatcher	Muscicapa latirostris
142	Blyth's Myna	Sturnus malabaricus blythii	181	Layard's Flycatcher	Muscicapa muttui
143	Brahminy Myna	Sturnus pagodarum	182	Rufoustailed Flycatcher	Muscicapa ruficauda
144	Rosy Pastor	Sturnus roseus	183	Red-breasted Flycatcher	Muscicapa parva
145	Common Myna	Acridotheres tristis	184	Black and Orange Flycatcher	Muscicapa nigrorufa
146	Jungle Myna	Acridotheres fuscus	185	Whitebellied Blue Flycatcher	Muscicapa pallipes
147	Hill Myna	Gracula religiosa	186	Bluethroated Flycatcher	Muscicapa rubeculoides
	1111 IV.y III	C/1001111 / 01/2/10011	187	Tickells Blue Flycatcher	Muscicapa tickelliae
Fami	ily : CORVIDAE		188	Verditer Flycatcher	Muscicapa albicaudata
148	Indian Treepie	Dendrocitta vagabunda	189	Nilgiri Verditer Flycatcher	Muscicapa thalassina
149	House Crow	Corvus splendens	400		
150	Jungle Crow	Corvus macrorhynchos	190	Greyheaded Flycatcher	Culicicapa ceylonensis
100	jungie eron	Corona made ingrance	191	Whitebrowed Fantail Flycatcher	Rhipidura aureola
Fami	ily : CAMPEPHAGIDAE		192	Paradise Flycatcher	Terpsiphone paradisi
151	Pied Flycatcher Shrike	Hemipus picatus	193	Blacknaped Blue Flycatcher	Monarcha azurea
	Large Woodshrike	Tephrodornis virgatus	194	Streaked Fantail Warbler	Cisticola juncidis
152 153	Common Woodshrike	Tephrodornis pondicerianus	195	Franklin's Wren Warbler	Prinia hodgosoni
		Coracina novaehollandiae	196	Plain Wren Warbler	Prinia subflava
154	Large Cuckoo Shrike		197	Ashy Wren Warbler	Prinia socialis
155	Blackheaded Cuckoo Shrike	Coracina melanoptera	198	Jungle Wren Warbler	Prinia sylvatica
156	Pied Cuckoo Shrike (?)	Coracina niger	199	Tailorbird	Orthotomus suto rius
157	Orange Minivet	Pericrocotus flammeus	200	Eastern Grasshopper Warbler	Locustella naevia
158	Small Minivet	Pericrocotus cinnamomeus			

Large Pied Wagtail

3

2	201	Great Reed Warbler	Acrocephalus bistrigiceps	Fam	ily : DICAEIDAE	
2	202	Blyth's Reed Warbler	Acrocephalus dumetorum		este vo due torat, tiebello estric	
2	03	Broadtailed Grass Warbler	Schoenicola platyura	232	Tickell's Flowerpecker	Dicaeum erythrorhynchos
2	04	Booted Warbler	Hippolais caligata	233	Thickbilled Flowerpecker	Dicaeum agile
2	.05	Orphean Warbler	Sylvia hortensis	234	Nilgiri Flowerpecker	Dicaeum concolar
2	06	Tickell's Leaf Warbler	Phylloscopus affinis	Fam	ily : NECTARINIIDAE	
2	07	Greenish Leaf Warbler	Phylloscopus trochiloides		-y	
			viridanus	235	Loten's Sunbird	Nectarinia lotenia
2	08	Large Crowned Leaf Warbler	Phylloscopus occipitalis	236	Small Sunbird	Nectarinia minima
2	09	Indian Bluechat	Erithacus brunneus	237	Purplerumped Sunbird	Nectarinia zeylonica
2	10	Rufousbellied Bush Robin	Erithacus hyperythrus	238	Purple Sunbird	Nectarinia asiatica
			ı	239	Little Spider-hunter	Arachnothera longirostris
2	11 12	Magpie Robin Blueheaded Rock Thrush	Copsychus saularis Monticola cinclorhynchus	Fami	ily : ZOSTEROPIDAE	ciar by plurcing the base,o
2	13 14 15	Indian Blue Rock Thrush Malabar Whistling Thrush Pied Ground Thrush	Monticola solitarius pandoo Myiophones horsfieldii Zoothera wardii	240	White Eye	Zosterops palpebrosa
	16	Orangeheaded Ground Thrush	Zoothera citrina	Fami	ly : PLOCEIDAE	
2	17 18	Whitethroated Ground Thrush Black Bird	Zoothera citrina cyanotus Turdus merula	241	House Sparrow	Passer domesticus
	19	Blackcaped SSP	1 uruus meruu	242	Yellowthroated Sparrow	Petronia xanthocollis
2	20	Blackcapped SSP	Turdus simillimus	243	Baya	Ploceus philippinus
F	amil	y: PARIDAE		244	Whitebacked Munia	Lonchura striata
22		Grey Tit	Parus major	245	Red Munia	Estrilda amandava
	22	Yellow Cheeked Tit	Parus xanthogenys	246	Rufousbellied Munia	Lanchura kelaarti
F	amil	y: SITTIDAE		247	Spotted Munia	Lonchura punctulata
22	Carrier Manager	Velvet Fronted Nuthatch	Sitta frontalis	248	Blackheaded Munia	Lonchura malacca
Fa	amil	y : MOTACILLIDAE	, , , , , , , , , , , , , , , , , , ,	249	Whitethroated Munia	Lonchura malabarica
22	24	Indian Tree Pipit Richard's Pipit	Anthus hodgosoni Anthus novaeseelandiae	Famil	ly : CORVIDAE	attronici chloropsis
22	26.	Nilgiri Pipit	richardi Anthus nilghiriensis	250	Southern Tree Pie	Dendrocitta leucogastra
22		Forest Wagtail	Motacilla indica			
22		Grey Wagtail Blueheaded Yellow Wagtail (?)	Motacilla caspica Motacilla flava beema			
23		Indian White Wagtail	Motacilla alba			
22		T D' 1147 + '1				

FLOWER-BIRDS OF KOZHIKODE DISTRICT, KERALA

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We happened to come across Salim Ali's interesting article on 'Flower-birds and bird-flowers in India' (Ali, 1932) wherein birds visiting many of the common trees and plants for nectar, especially in Western India (Bombay region) have been listed. Salim Ali mentions that 'The importance of bees, butterflies and a host of other insects in the cross-fertilization of flowers is well known, but the significance of birds in the same capacity has been consistently underrated'. Recently we also came across an excellent review by Subramanya and Radhamani (1993) wherein the available literature on bird pollination in India has been reviewed. Surprisingly we found that little

Motacilla madera

information is available on flower-birds in Kerala though this region is rich in plant and bird life. Hence, we felt that it would be worthwhile to document the flowerbirds we have been observing at Kozhikode district, Kerala. The list we have provided the result of our observations during the two years in this region, especially in and around the campuses of the National Research Centre for Spices at Calicut and Peruvannamuzhi. Calicut is a coastal city and Peruvannamuzhi is situated 51 km away from Calicut at the foot hills of the Wynad range of Western ghats and is surrounded by moist deciduous forests. The variety of bird visitors was maximum on Indian silk cotton tree (Bombax)

malabaricum) and Indian coral tree (*Erythrina indica*) and are being reported elsewhere. The flower-birds of other plants and trees in this region are mentioned here.

1. China rose/Shoe flower (*Hibiscus rosa-sinensis*) (Malvaceae)

An ornamental shrub with large scarlet flowers. Flowering throughout the year.

Visitors: Regularly visited by purplerumped sunbird (Nectarinia zeylonica) and purple sunbird (N.asiatica). The birds generally took a 'short cut' while feeding on the nectar by piercing the base of the corolla. Most of the new varieties of shoe flower were however not attractive to the sunbirds.

2. Pterocymbium javanicum (Streculiaceae)

A lofty tree with creamy green flowers appearing on leafless branches. Flowering during February – March.

Visitors: This tree was a great favourite for lorikeets (Loriculus vernalis) at Peruvannamuzhi; small flocks of 5 – 10 birds were invariably seen on the tree whenever it was in bloom. However the lorikeets did considerable damage to the flowers since most of the fallen flowers had a typical bite' mark of the bird at the base of the corolla. The goldfronted chloropsis (Chloropsis aurifrons) and redwhiskered bulbul (Pycnonotus jocosus) were also seen regularly visiting the flowers.

3. Drumstick (Moringa oleifera) (Moringaceae)

A medium sized tree with creamy white flowers in dense masses. Flowering during December – March.

Visitors: Occasionally visited by purplerumped sunbird.

4. Dividivi (Caesalpinia coriaria) (Caesalpiniaceae)

A small ornamental tree with creamy yellow flowers in small clusters among the foliage. Flowering during August – October.

Visitors: The two trees at Peruvannamuzhi was a great favourite for Nilgiri flowerpecker (Dicaeum concolor) and sunbirds such as purplerumped sunbird, purple sunbird, small sunbird, (N.minima) and Loten's sunbird (N.lotenia). There was always a great commotion on the tree during the flowering period with various sunbirds darting about to the accompaniment of their typical cries. There was also much display of aggressiveness between them. Bird activity was seen throughout the day including mid afternoon hours. Once a lorikeet alighted on a tree and bit

a flower, but flew away immediately. The flowers were also visited by numerous insects especially lepidopterans.

5. Gul mohur (Delonix regia) (Caesalpiniaceae)

An avenue tree with large scarlet flowers occurring in dense clusters on defoliated branches. Flowering during March – July.

Visitors: Occasionally visited by purple sunbird.

6. Copper pod (*Peltophorum pterocarpum*) (Caesalpiniaceae)

A large avenue tree with clusters of bright yellow flowers. Flowering during February – April.

Visitors: Rarely visited by purple sunbird. However we are not sure whether the bird came in search of nectar or insects.

7. Red powderpuff (Calliandra sp.) (Mimosaceae)

A small ornamental shrub with crimson flowers in globose heads among the foliage. Flowering almost throughout the year.

Visitors: The goldfronted chloropsis was invariably found on the plant at Peruvannamuzhi. The purplerumped sunbird also regularly visited the flowers.

8. Papaw (Carica papaya) (Caricaceae)

A small generally unbranched tree with creamy yellow flowers. Flowering almost throughout the year.

Visitors: Occasionally visited by purple sunbird.

9. Bulletwood tree (Mimusops elengi) (Sapotaceae)

A medium sized evergreen tree with creamy white flowers among the foliage.

Visitors: The purplerumped sunbird, purple sunbird and small sunbird were commonly seen on the tree especially during the initial flowering period. The flowers were also visited by numerous insects.

10. African tulip tree (Spathodea campanulata) (Bignoniaceae)

A tall evergreen avenue tree with large orangish red flowers. Flowering during September – May.

Visitors: Occasionally visited by common myna (*Acridotheres tristis*) and purpus sunbird. Once we also observed a jungle crow (*Corvus macrohynchos*) perched near a flower, obviously in search of nectar.

11. Golden dewdrop (Duranta plumieri) (Verbenaceae)

A large ornamental shrub with bluish violet flowers in pendulous racemes. Flowering during April – June.

Visitors: Regularly visited by purple sunbird and purplerumped sunbird.

12. Clerodendrum sp. (Verbenaceae)

A medium sized shrub commonly growing wild with red flowers occurring terminally in clusters. Flowering during June – November.

Visitors: Regularly visited by purple sunbird and purplerumped sunbird.

13. Banana (Musa paradisiaca) (Musaceae)

A tall plant with an unbranched pseudostem. Flowers creamy yellow enclosed in a large purplish spadix. Flowering throughout the year.

Visitors: The spider-hunter (*Arachnothera longirostris*) was occasionally seen on the plant at Peruvannamuzhi. Once we observed a lorikeet biting a flower obviously in search of nectar.

14. Mistletoe (Loranthus sp.) (Loranthaceae)

Parasitic bushy shrubs occurring on many trees. Flowers with greenish yellow corolla. Flowering during December – January.

Visitors: Regularly visited by Tickell's flowerpecker (Dicaeum erythrorhynchos), purplerumped sunbird and spider-hunter. There was always a great flurry of activity on the plants probably because they were restricted to small areas within a tree and the flowering period was short. There was also much display of aggressiveness between the visitors to the accompaniment of their typical cries. The plants when in bloom were also visited by iora (Aegithina tiphia), tailor bird (Orthotomus sutorius) and leaf

warbler (*Phylloscopus* sp.), probably in search of insects among the flowers, which added to the commotion.

15. Mistletoe ? (Loranthaceae)

Parasitic shrubs with weak stems that hang down. Flowers with pinkish corolla. Flowering during September – May.

Visitors: Regularly visited by Tickell's flowerpecker, purplerumped sunbird and spider-hunter. However bird activity was considerably less when compared to the previous species probably because of sparse flowering.

16. Coconut (Cocus nucifera) (Aracaceae)

A tall palm with creamy yellow flowers in large clusters. Flowering throughout the year.

Visitors: Regularly visited by purple sunbird and purplerumped sunbird especially during the rainy season. The flowers are also visited by a large number of insects.

Interestingly, peacock flower (Caesalpinia pulcherrima), camel-foot tree (Bauhinia purpurea) and Bougainvillea spectabilis which were visited by sunbirds in the Bombay region (Ali, 1932) were not attractive to these birds in this region. According to Subramanya and Radhamani (1993), 58 species of birds are reported to be involved in the pollination of 93 species of flowering plants in India. Our observations indicated that P. javanicum, C. coriaria, Calliandra sp., M.elengi and Clerodendrum sp. could be considered as additional records of bird-flowers in India.

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CHECKLIST OF BIRDS OF ULANDI RANGE (TOP SLIP), INDIRA GANDHI WILDLIFE SANCTUARY

M. ANANDHANARAYANAN, Opp. Post Office, IIIrd Cross, Pursanapuram, Villiyanur 605 110, Pondicherry and

S. ARULJOTHI, Meelanikuli Post, Meensurti via Trichy district

The study was carried out in Topslip area, Indira Gandhi Wildlife Sanctuary, which is a part of the Western Ghats. It is a sanctuary situated at an altitude of 740 m and occupies an area of 958 sq. km. The study was carried out

between December 1991–March 1992. This work formed a part of our Master's dissertation.

We had one sighting of Bay owl *Phodilus badius* and twice of the Ceylon Frogmouth *Batrachostomus moniliger*.

Accipitridae			34	Indian Great Black
1 Blackwinged Kite 2 Shikra 3 Crested hawk-eagle	=	Elanus caeruleus Accipiter badius Spizaetus cirrhatus	35	Woodpecker Yellowfronted Pied Woodpecker
4 Pale Harrier	_	Circus macrourus	36	Heartspotted Woodpe
Phasianidae		2 of	37	Larger Goldenbacked Woodpecker
5 Red Junglefowl	6	Gallus gallus	38	Pigmy Woodpecker
6 Grey Junglefowl	7	Gallus sonneratii		idae
Chardriidae			39	Indian Pitta
7 Redwattled Lapwing	-	Vanellus indicus		niidae
8 Wood Sandpiper	-	Tringa glareola	40	Grey Shrike
Columbidae			41	Brown Shrike
9 Spotted Dove 10 Emerald Dove	-	Streptopelia chinensis	Or	iolidae
10 Emerald Dove Psittacidae		Chalcophaps indica	42	Golden Oriole
		n	43	Blackheaded Oriole
11 Blossomheaded Parakeet12 Bluewinged Parakeet	-	Psittacula cyanocephala Psittacula columboides	44	Black Drongo
13 Indian Lorikeet	_	Loriculus vernalis	45	Bronzed Drongo
Cuculidae			46	Greater Rackettailed I
14 Small Greenbilled Malkoha	_	Rhopodytes viridirostris		irnidae
15 Coucal	-	Centropus sinensis	47	Greyheaded Myna
Strigidae			48	Hill Myna
16 Bay Owl	-	Phodilus badius		rvidae
17 Jungle Owlet	-	Glaucidium radiatum	49 50	Indian Treepie Whitebellied Treepie
Podargidae			51	Scarlet Minivet
18 Ceylon Frogmouth	-	Batrachostomus moniliger	52	Small Minivet
Caprimulgidae			53	
19 Jungle Nightjar	-	Caprimulgus indicus	54 55	
Trogonidae			56	Fairy bluebird
20 Malabar Trogon	-	Harpactes fasciatus	57	Rubythroated Yellow
21 Whitebreasted Kingfisher	-	Halcyon smynensis	EO	Dadauktalana J.D. II 1
Coracildae			58 59	Redwhiskered Bulbul Yellowbrowed Bulbul
24 Indian Roller	-	Coracias benghalensis	60	Slatyheaded Scimitar I
25 Broad billed roller	-	Eurystomus orientalis	61	Jungle Babbler
Bucerotidae			Mu	scicapinae
26 Malabar Grey Hornbill	-	Tockus giseus	62	Paradise Flycatcher
27 Great Indian Hornbill	-	Buceros bicornis	Par	idae
Capitonidae			63	Grey Tit
28 Large Green Barbet	-	Megalaima zeylanica		Yellowcheeked Tit
29 Smallgreen Barbet	-	Megalaima viridis	Sitt	idae
30 Crimsonthroated Barbet 31 Crimsonbreasted Barbet		Megalaima rubricapilla Metalaima haemacephala	65	Velvetfronted Nuthato
Picidae			Mo	tacillidae
32 Rufous Woodpecker	_	Micropternus brachyurus	66	Nilgiri Pipit
33 Lesser Goldenbacked			67	Forest Wagtail
Woodpecker	-	Dinopium benghalense	68	Grey Wagfail
D. (Nec	ctariniidae

Reference

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34	Indian Great Black		D
35	Woodpecker Yellowfronted Pied	goi H	Dryocopus javenensis
20	Woodpecker	-	Picoides mahrattensis
36 37	Heartspotted Woodpecker Larger Goldenbacked	-	Hemicircus canente
0,	Woodpecker	-	Chrysocolaptes lucidus
38	Pigmy Woodpecker	-	Picoides nanus
Piti	dae		
39	Indian Pitta	-	Pitta brachyura
Lan	iidae		
40	Grey Shrike	_	Lanius excubitor
41	Brown Shrike	-	Lanius cristatus
Orio	olidae		
42	Golden Oriole	-	Oriolus oriolus
43	Blackheaded Oriole	-	Oriolus xanthornus
44 45	Black Drongo	-	Dicrurus adsimilis
45	Bronzed Drongo Greater Rackettailed Drongo	-	Dicrurus aeneus Dicrurus paradiseus
	rnidae		Dicturus puruuiscus
47	Greyheaded Myna		Sturnus malabaricus
	Hill Myna	_	Gracula heligiosa
	vidae		Oracaia nengiosa
49			Danduarittamanhumda
50	Indian Treepie Whitebellied Treepie		Dendrocitta vagabunda Dendrocitta leucogasta
51	Scarlet Minivet	_	Pericrocotus flammeus
52	Small Minivet	-	Pericrocotus cinnamomeus
53	Common iora	-	Aegithina tiphia
54 55	Goldenfronted Chloropsis	-	Chloropsis aurifrons
56	Goldmantled Chloropsis Fairy bluebird	Ξ	Chloropsis cochinchinensis Irena puella
57	Rubythroated Yellow Bulbul	_	Pycnonotus melanicterus
			gularis Pycnonotus jocosus
58	Redwhiskered Bulbul	-	Pycnonotus jocosus
59 60	Yellowbrowed Bulbul	-	Hypsipetes indicus
61	Slatyheaded Scimitar Babbler Jungle Babbler	_	Pomatorhinus horsfieldii Turdoides striatus
	scicapinae		I W WO WCO OF THE MO
62	Paradise Flycatcher	_ '	Terpsiphone paradisi
Pari	Same and the same		To porpriorie par acio:
63	Grey Tit	_	Parus major
64	Yellowcheeked Tit	-	Parus xanthogenys
Sitti	dae		
65	Velvetfronted Nuthatch	_	Sitta frontalis
Mot	acillidae		Sales a militar event i
66	Nilgiri Pipit	_	Anthus nilghiriensis
67	Forest Wagtail	-	Motacilla indica
68	Grey Wagfail	-	Motacilla caspica
Nect	tariniidae		
69	Purplerumped Sunbird	-	Nectarinia zeylonica
70	Purple Sunbird	-	Nectarinia asiatica

HUMAN INTERFERENCE IN THE HABITAT OF **CRANES IN** BHUTAN AND LADAKH

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Introduction

The Black-necked Cranes (Grus nigricollis) breed and spend the summer months in China, Ladakh and Tibet.

They spend the winters in Bhutan and Southern parts of China and Tibet. They no longer come to the Apa Tani valley in Arunachal Pradesh due to human interference and destruction of their habitat.

A six month study during 1991–92 in Bhutan and a six week study during 1992 summer in Ladakh brought out the direct and indirect interferences in their habitat by humans and its adverse effects on the Crane population.

Interferences in Bhutan

Draining of Wetlands

The three main wintering areas for these Cranes in Bhutan are Phobjikha in the West, Bhumthang in the middle and Bumdiling in the East. Human population in these areas has been increasing steadily along with the cattle and sheep population. Naturally, to provide food and fodder, the areas under cultivation and pastureland have been increased. This is achieved by draining the wetland and marshy lands which are the roosting and feeding areas of these Cranes.

Tourism

All the roosting areas except Bumdiling are now directly and easily accessible by vehicles. With the publicity given to these Cranes and their roosting areas, the number of tourists visiting these areas are increasing rapidly. Many of them disturb the Cranes, intentionally or otherwise, when they persist in taking a closer look or try to take better photographs.

Barbed wire Fences

The other problem created by man are the Barbed wire fences close to their roosting and feeding areas. These have replaced the traditional Pinewood stakes and scantlings. The wooden fences were clearly visible from far but the barbed wire strung across angle iron pickets are not. This change has resulted in damaged wings in some Cranes during take off.

Mechanised Farming

In the old traditional farming system in Bhutan, fallen grains from the harvest in October were left undisturbed in the fields until April the following year which provided plenty of food for the wintering Cranes. Now, with the introduction of farm tractors and the practice of ploughing the fields during winter has reduced the feeding areas available to them.

Interferences in Ladakh

Vehicular Traffic

In Ladakh, the breeding areas of the few Black-necked Cranes are in high altitude areas; 3,900–4,100 m. In the olden days, an occasional traveller went past the nesting areas using the existing bridle path and this in no way disturbed the nesting or roosting Cranes. Now, with the

improved road communications and large number of noisy vehicles coming close to their roosting, nesting and feeding areas have increased. This disturbs them often.

'Ownerless' Dogs

During summer 92, out of a total of 17 Black-necked Cranes that came to Ladakh, 4 pairs nested and out of the 8 eggs laid, 2 were destroyed by predators. Out of the 6 chicks, 4 were eaten by dogs. Finally, only 2 juveniles accompanied their parents to their wintering areas. Thus, India's contribution to the world population of Blacknecked Cranes was just 2!!

'Ownerless' dogs are a new phenomenon in Ladakh. With the establishment of new military camps and out-posts along the border, the availability of food and shelter at these remote areas have improved and some local dogs have attached themselves to these camps. They are a menace now in Ladakh and there have been cases where small children have been badly bitten by such dogs. As they can swim, they get across wet gaps easily to reach the islands where these Cranes nest and eat their eggs and chicks.

Tourism

There was a recent report that Ladakh will be opened to tourism. This will have an adverse effect on the Cranes roosting and breeding in Ladakh. They will have to be protected from inquisitive and inconsiderate tourists as these birds are very shy and sensitive and they will abandon their nests if disturbed often.

Religion and Tradition

Black-necked Cranes have found a place in the folklore and the sentiments of the Bhutanese and Ladakhis. Being Buddhists, they do not harm the birds in any way but there are clear visible signs of encroachment and interference and destruction of their habitat in Bhutan and Ladakh.

Action Needed

In order to ensure that these Cranes and their habitat are not destroyed, Government departments concerned, Nongovernmental organisations and the common man, whether a resident of those areas or a tourist, must work together to see that they are allowed to lead a normal life. Short and long term plans to protect these Cranes and their habitat must be prepared and implemented with regular monitoring. Protection must be provided to the birds, their feeding and roosting areas, particularly during the nesting periods. Army and para-military units and men deployed in those areas are willing to help in any way possible and

they should be involved in the plans to protect the Cranes and their habitat. Educating the people is the final solution. Once they become aware of the urgent need to protect the Cranes and their habitat, their active involvement in any conservation plan will be effective and easy. This must start right from the school level.

Conclusion

The disappearance of the Black-necked Cranes from the Jakhar Valley in Bhutan and the Apa Tani valley in

Arunachal Pradesh is entirely due to human interference in their habitat. Such interference continues and it is on the increase. The time to stop this is now. To save these Cranes from extinction, short and long term conservation plans must be implemented. Otherwise, our future generations will have to look for stuffed specimens in museums. A very sad and bleak outlook indeed.

MIXED SPECIES BIRD FLOCK IN FOREST TREES OF DHARWAD URBANS

J.C. UTTANGI, 36, Mission Compound, Dharwad

In front of the City Head Post Office, Dharwad and close to its main gate, near Ulavi-Basappana-Gudda, three tall forest trees are found. They belong to the species, Holoptelia integrifolia of the family, Utricacae. I have always noticed birds visiting these trees regularly almost throughout the year. The trees shed their green leaves in mid January each year and put on minute flowers which later on develop into typical lemon coloured flat and rounded samaroid fruits. The soft seed protected in the center of the fruit with its thin ovary wall serving as mechanism for dispersal is eaten by children. They refer to it as 'Gubbi Rotti Gida'. The yellow bloom of samaroid fruits on the tree present an attractive look not only to the people but many times help birds like Golden Orioles to camouflage and escape predation while foraging in the trees. Other birds which favour these trees are, Iora, White-eye and Grey Tit. Once a pair of Grey Tits, having discovered a giant moth-larva, bigger than their own body size, by holding it at its opposite ends by their beaks were trying hard to tear the creature into sizable pieces but, succeeded only in separating the skin from the enormous green substance.

Within a furlong from the Head Post Office two more trees of the same description and species stand tall in the Basel Mission, Hebich Memorial Church Compound. They can be seen easily from the Head Post Office. It was observed that birds coming first to these two trees would go directly non-stop to Head Post Office and continue feeding in the *Holoptelia* trees without paying any attention to other trees planted in between by the Social Forestry Department. I was passing through the Church compound to post a letter on 4th October 1993, 8.30 a.m. and suddenly caught sight of two brilliantly coloured male members of (1) Small Minivet (*Pericrocotus cinnamomeus*) making sallies over the tree surface to catch winged insects. Two females following them came out later. As I stood there watching, a female and male of the (2) Common Iora (*Aegithina tiphia*)

made their appearance in one of the branches down below the Minivets. Perhaps the Ioras had helped the Minivets by flushing the hiding winged insects from the lower branches. Two large tree branches horizontally located in the tree had provided the single member of the (3) Magpie Robin (Copsychus saularis) a good platform in the middle on which the bird was seen hopping and disturbing surface prey of the bark and picking up occasionally one or two of them for its own sake. It would be an interesting study to attempt to make a comprehensive list of all the insects occupied in this species of plant as well as in others haunted by birds. On the opposite side of the tree branches in which I saw the two Ioras, three individuals of (4) White Eye (Zosterops palpebrosa) making the peculiar mingled noise were noticed searching for insects that hid under the leaves. Two (5) Purple Rumped Sunbirds (Nectarina zeylonica) a male and a female of which the male was seen hanging on its wings to suck the dew drop from the tip of a leaf. There was a Loranthus in which no flowers were present. A (6) Grey Tit (Parus major) and two individuals of (7) Reda Whiskered Bulbul (Pycnonotus jocosus) had joined the group. A single (8) Red Vented Bulbul (Pycnonotus cafer) suddenly dived down to the ground from one of the branches of the tree where an insect which the Bulbul found had dodged and come to the ground. Attracted by the hustling noise in the tree a (9) Wren Warbler (*Prinia socialis*) slowly joined the busy flock wagging its long tail. It breeds profusely at Dharwad in the Cassia tora bush which grows rather luxuriantly in the Church Compound. Last but not least, a permanent member of the locality (10) Common Myna (Acridotheres tristis) was seen singing as it rested in the middle repeating its more familiar calls.

It is interesting to note that in the present encounter about 10 different species of birds which are mostly insectivorous in habit joined together to form a mixed species bird flock to ensure a more efficient exploitation of

food source available in a forest tree protected in an urban area. I hope bird watchers wherever they are would take notes on their observations of similar encounters which they may come across in different regions.

Correspondence

OCCURRENCE OF THE GLOSSY IBIS IN KOLE WETLAND, THRISSUR DISTRICT, KERALA. P.K. RAVINDRAN, Vallissery, P.O. Avinissery, Thrissur District, Kerala 680 313

On 19 September 1993, at about 14.30 hours, I was watching Winter birds in Kole wetlands at Enamavu, about 22 km west from Thrissur town. The whole area is submerged from June and in September water is pumped out and a crop of paddy is raised in some parts of the swamp.

Along with Blackwinged stilts, curlew, whimbrel, redshank and Temminck's stint, I found a group of 12 blackish coloured birds landing in a muddy field just 50 m away from me. When I looked through my binoculars, it became clear that these birds were Glossy Ibis (*Plegadis falcinellus*). It was a clear day.

They were slimmer than the White Ibis and their feathered head, long slender down curved bill, and darkish legs were quite distinct. The lack of a white patch on the wing coverts (near the shoulder), and the red patch on the hind crown, together with brick red legs and feet, confirmed their identity.

When a raptor appeared in the sky, these Ibises flew along with other waders and egrets. They were completely silent while I observed them for more than two hours on that day.

On 26 September 1993, and 10 October 1993, I went to look for them but they were absent.

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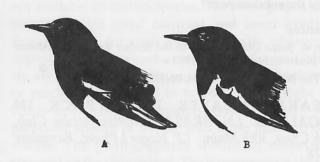
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THE NILGIRIS MAGPIE ROBIN. Dr. Arunachalam Kumar, Associate Professor of Anatomy, Kasturba Medical College, Mangalore 575 001

The Sholur Valley of the Nilgiris has figured in the pages of the Newsletter as a fecund and rewarding spot for the



The figure 'A' is the Mangalore Magpie Robin 'B' is it's fellow family member from the Nilgiris.

serious birdwatcher. Nestled within the confines of a cresentric range of lofty peaks, this plantation rich biozone hosts a wide representation from the avifaunal wealth of the subcontinent. On one of my recent forays into this paradise, I chanced upon a pugnacious tug-of-war between two families of birds, one a resident brood of aggrieved Bulbuls (Pycnonotus cafer) and another a rapacious threesome of Magpie Robins (Copsychus saularis). Both groups were zealously picking off an indolent moth or two that had got blinded by the dazzling mid October sun, staying pinned to the porch wall attracted the night before by the single naked lamp that had beckoned them all through the mist suffused darkness. Amid much purposeless remonstration by the Bulbuls, the Magpies calmly went about their appointed repast. The drama, though common enough, needed some patient explanation for my nine year old daughter, who seemed as agitated as the Bulbuls at the injustice of it all. Be that as it may be, the reason for this write-up is something else.

Despite a fair amount of amateur birdwatching done in my home town, Mangalore, my untrained eye could not tick off the subtle nuances that demark subspecies from each other; this Sholur sojourn perhaps marks my graduation to the exalted school of birdwatchers called 'ornithologists'. I must mention that this realisation came about when I noted the colour permutations of the Magpie here. The Nilgiri one, had its black bib extend only a short way down the breast and throat, the edge of the dark colour forming a parabola that delineated it from the stark white. The rim of the black down extended above the wing coverlets on either side. The Mangalore magpie had its bib extend far down the breast, well beyond the coverlets, ending in a horizontal line. Ali mentions four species of the Copsychus saularis in India. Could the Nilgiri one be another? Is it one among the four? Could subspecies and

inter species differences be this pronounced within two areas of the subcontinent?

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STREAKED WEAVER BIRDS BACK IN BANGALORE. J.N. PRASAD, Merlin Nature Club, 13, 8th Cross, 30th Main, J.P. Nagar I Phase, Bangalore 560 078

Bangalore city with its rapid development has been a mute witness to annihilation of habitats of many species. Filling up of water bodies and introduction of boating etc. have taken away the ideal nesting sites of many birds. One such species, the streaked weaver, which used to nest amidst the bull-rush reeds *Typha* sp. was seriously affected. Last time they were seen breeding was about 5–6 years ago at the Sankey tank in Bangalore which now boasts of offering boating facility to the public. Another nesting site near Hoskote Tank also was destroyed as the land was acquired for agricultural purpose.

On 8 August 1993, while watching birds at Puttenahalli Tank in South Bangalore, I was able to see three nests of Streaked Weaver birds *Ploceus manyar* amidst short Cypress grass growing in the shallow waters. About seven birds were agitated by the presence of a Purple Heron *Ardeola purpurea* which was moving slowly with its neck stretched out.

Although it is good news that the Streaked Weavers are back, our joy may be short-lived as already the irrigated land on the other side of the bund has several houses where once paddy was cultivated.

S. RAJPAL SINGH SIDHU — BIRD PAINTER OF PUNJAB. R.K. BHATNAGAR, Principal Scientist, Entomology Division, Indian Agricultural Research Institute, New Delhi

In one of his lectures, Dr Salim Ali said that there are very few artists who have been painting birds in a 'realistic and scientific' manner. Recently S. Rajpal Singh Sidhu exhibited 300 scientific and realistic paintings of birds of Punjab at Punjab Agricultural University, Ludhiana. These were indeed excellent paintings. Every feather is shown with clear 'soft lines'.

It is felt that a befitting encouragement and opportunity of interaction should be given to S. Rajpal Singh Sidhu to continue with his bird paintings.

Ways to Prevent Birds from Crashing into Window Glass Panes and Lights.

There is an interesting case of VVIP residential premises in Delhi where birds often crashed on glass panes facing the garden. The problem was solved by having curtains of dark pastel shade not matching with the colour of the outside wall. This was done to increase the opaqueness and visibility of the glass panes. Together with some minor architectural changes, and by having an electric bulb 2 ft away from the glass panes, this problem of bird strikes against window panes was solved.

PREVENTING BIRDS FROM CRASHING INTO THE WINDOWS. HARKIRAT SINGH SANGHA, B-27, Gautam Marg, Khatipura, Jaipur 302 012

In the last issue of Newsletter (Vol.33, No.4) F. Grohe has invited suggestions to prevent birds from crashing into the windows. Birdsaver is claimed to stop birds from flying into windows. The black silhouette of a diving raptor is made of vinyl. It is placed on glass to produce an automatic response from birds. The manufacturer claims that it based on design developed by S. Dillon Ripley. More details can be obtained from DAZER U.K., Freepost, London SW 11 6 NR.

NOTES FROM RAJASTHAN. SATISH KUMAR SHARMA, Range Forest Officer, Aravalli Afforestation Programme, Jhadol (F), Udaipur 313 702

1 Bank Mynas in Southern Rajasthan

The Bank Myna (Acridotheres gignginianus) is found throughout the State of Rajasthan, but it is more common in the northern and western parts of the state. Apart from other reasons, two seem important for this unequal distribution. This is because there are more sandy open tracts in this region. Also the river and nullah banks in western and northern Rajasthan are more vertical than those of southern Rajasthan. These banks are preferred by the Bank Myna as tunnelling is easy in the soft sand. Curiously in Southern Rajasthan the banks are not vertical but due to slow erosion they are slanting, and slanting banks are not preferred for nesting.

2 Nesting of Indian Myna on Phoneix sylvestris

The Indian Myna (Acridothera tristis) is a bird which nests in holes in trees, rock scraps, vertical earth banks, walls of houses or between the ceiling and roof (Ali & Ripley, 1983).

In Udaipur district of Rajasthan *A. tristis* prefers the crown of the Date palm (*P.sylvestris*) for placing their nests. Generally one tree is patronised by one breeding pair. Perhaps this situation helps the bird to avoid predation, because congregation of large number of breeding birds on the tree may attract predators from the surrounding locality. Nests are so placed that they remain hidden in the basal parts of the lowermost leaves of the crown. Spinous pinnae of leaves present on basal part of leaf-rachides provide protection against enemies.

Generally mature leaves of date-palms are harvested in the month of February and march for making brooms, etc. But some long spinous stumps of the harvested leaves remain intact on the stems. Space available in these stumps is much liked by Mynas.

During the months of June and July 1993, I made a survey of nested wild date palms between village Kolyari and Som along the tar road in Udaipur district:

Total wild date palms observed	1388
Nested trees having stumps of leaves	
i.e. harvested crowns	18
Nested trees having normal crowns i.e.	
without stump leave bases	3
Percentage of nested wild date palms	1.51

3 Indian Magpie Robin Feeding on Dead Shrew

On 12 July 1993 I had been at Forest Check post Falasia in Udaipur district. At about 1.00 pm I observed a female Indian Magpie Robin (*Copsychus saularis*) (Linn.) feeding on a rotten carcase of a Grey Musk Shrew (*Suncus murinus*) (Linn.) on 1.0 m high compound wall under a shady tree of *Acacia nilotica*. I observed the bird for nearly five minutes. At last she stopped nibbling the carcase and pulled a beakful of hair from the body of the Shrew and flew away out of sight. Perhaps the consignment of hair was carried for lining her nest. According to Ali and Ripley (Handbook of Birds of India and Pakistan, 1983), Indian Magpie Robin feed on insects, caterpillars, snails, earthworms, centipedes, small lizards and some vegetable matters. We can add dead animals like the Grey Musk Shrew in its dietary.

REQUEST FOR PHOTOGRAPHS OF INDIAN RAPTORS. RISHAD NAOROJI, Godrej Bhavan, 4A Home Street, Bombay 400 001

I am working on a book of Indian raptors (to be published by O.U.P. India) and need photographs of the species mentioned below. The photographs should preferably be in colour, though black and white

photographs will be accepted if suitable transparencies are not available on certain species. The photographs should be clear, with good contrast and tonal gradation. Requirements for each species: Firstly photographs depicting behaviour such as mating, on the nest, hunting, etc. are required. Secondly, perched shots (tight close-ups) or perched (half frame) in habitat. Lastly, flight shots (close-ups) which adequately give the "giz" of the particular species in the air with adult plumage clearly visible. The photographers should be embossed or stamped on the slide mount. The transparencies should be sent by Regd. A/D to me at Godrej Bhavan, 4A Home Street, Fort, Bombay 400 001. Photographs which are not chosen will be returned by Regd. A/D to the photographer.

Photographs depicting behaviour, portraits and flight of the following species are required:-

	0 1	
1	Black Shouldered Kite	Elanus caeruleus
2	Jerdon's Baza	Aviceda jerdoni
3	Black Baza	Aviceda lenbhotes
4	Black-eared Kite	Milvus migrans lineatus
5	Brahminy Kite	Haliastur indus
6	Northern Goshawk	Accipiter gentilis
7	Grey Frog Hawk, or	
	as in Ali & Ripley	
	Chinese Goshawk	Accipiter soloensis
8	Crested Goshawk	Accipiter trivirgatus
9	Sparrow Hawk	Accipiter nisus
10	Besra Sparrow Hawk	Accipiter virgatus
11	Japanese Sparrow Hawk	Accipiter gularis
12	Longlegged Buzzard	Buteo rufinus
13	Upland Buzzard	Buteo hemilasius
14	Eurasian or Steppe Buzzards	Buteo buteo vulpinus
15	Rough-legged Buzzard	Buteo lagopus
16	White-eyed Buzzard	Butastur teesa
17	Booted Eagle	Hieraaetus pennatus
18	Rufous-bellied Eagle	Hieraaetus kienerii
19	Golden Eagle	Aquila chrysaetos
20	Tawny Eagle	Aquila rapax
21	White-tailed Sea Eagle	Haliaeetus albicilla
22	White-bellied Sea Eagle	Haliaeetus leucogaster
23	Gey-headed Fishing Eagle	Ichthyophaga ichthyaetus
24	Cinereous Vulture	Aegypius monachus
25	Lammergeier	Gypaetus barbatus
26	Marsh Harrier	Circus aeruginosus male
		in flight
27	Hen Harrier	Circus cyaneus male in
		flight and perched
28	Montagu's	Circus pygargus

29	Pallid	Circus macrourus male perched and in flight
30	Pied Herrier	Circus melanoleucos male
31	Eastern Marsh Harrier	Circus spilonotus
32	Nicobar Crested Serpent Eagle	
33	Andaman Serpent Eagle	Spilornis elgini
34	Osprey	Pandion haliaetus
35	Collared, or as in Ali & Ripley	
	Red-breasted or Red-legged	
	Falconet	Microhierax casrulescens
36	Pied, or as in Ali & Ripley	
	White-legged Falconet	Microhierax melanolencos
37	Saker	Falco cherrug
38	Barbery Falcon	Falco pelegrinoides
39	Shahin	F.p. peregrinator
40	Hobby	Falco subbuteo
41	Sooty Falcon	Falco concolor
42	Indian or Oriental Hobby	Falco severeus
43	Eastern Red-legged Falcon	Falco amurensis
44	Kestrel	Falco tinnunculus
45	Merlin	Falco columbarius

COOTS ATTACKING A SNAKE. K. GUNATHILAGARAJ, Department of Environmental Sciences, Tamil Nadu Agricultural University, Coimbatore 641 003

I was a witness to a thrilling spectacle of Coots (Fulica atra) attacking a water snake (?) at Madurai last November 1992. This happened in the Chittankulam tank inside the Agricultural College and Research Institute, Madura. The tank was full of Typha australis and other water plants. I was observing water birds in the evening. Suddenly I heard the loud, excited calls of coots and saw a group of coots chasing

a water snake (?). The snake was more than six feet long and was chased by nine coots, four on either side and one at the tail. The birds attacked the snake from the sides, and the head and tail regions were not attacked. The snake made frantic efforts to escape from the birds. The coots returned to the water only after driving the snake into the grass. It was a spectacular event and lasted more than 15 minutes.

PLEA FOR CONVERTING DURGAPUR BARRAGE INTO A SANCTUARY. SASTI BRATA KABIRAJ, Teacher, M.G. Vidyalaya Japamali, Bankura 722 143, West Bengal

The river Damodar known for a long time as the sorrow river of Bengal, originates from the Chhota Nagpur plateau in Bihar and courses down 500 km through Bihar and West Bengal and joins the river Hooghly. The Durgapur Barrage was set up in 1955 under the auspices of Damodar Valley Corporation (DVC).

This barrage is a highly productive ecosystem and every year it attracts an appreciable number of many species of birds, both true migrants and local migrants, and it also harbours many species of resident birds. We can see pond herons, little egrets, night herons, lesser whistling teal, greater whistling teal, garganey teal, mallard, pintail duck, comb duck, scaup duck, painted storks and many more.

The barrage deserves protection and should be immediately declared a Bird Sanctuary. It could become a most important refuge for birds in West Bengal. The place could also become a valuable study area for ornithologists.

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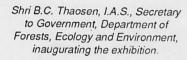
Only a few copies available at

OSI Seminar Liaison Office

No. 10, Sirur Park 'B' Street, Seshadripuram BANGALORE – 560 020, India.

BIRDPEX - 93

An exhibition of Bird stamps, Photographs and Coins with special focus on Bird Conservation was organised at the Visvesvaraya Industrial and Technological Museum to coincide with the Seminar.







Unveiling the painting
"The Helpless Mother"





Group Photograph of Participants in the First National Seminar on "CHANGING SCENARIO OF BIRD ECOLOGY AND CONSERVATION", Bangalore 12 - 14 November 1993

photo by M. Venkataswamappa

Cover Photo: Male Tickells Blue Flycatcher (Muscicapa tickellae) – a forest loving bird found in thick cover and shade, and on the wooded banks of streams. Flits about in shady woods and groves and continually sings a merry little song. Food includes flies, gnats and other dipterous insects.

Photo: S. Sridhar, ARPS

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