A PROVISIONAL LIST OF UNRECORDED SOUTH-EAST ASIAN BIRDS¹

D. COUZENS, R. J. QUINNELL AND J. BASS²

This paper is intended as a guide to potential bird sound recordists in South-East Asia, suggesting which species deserve particular attention in the search for a complete record of the bird vocalisations of the area. It has been written as a result of a suggestion put forward by T. C. White at the biennial meeting of the International Bio-Acoustics Council at Sussex, England in September 1981. The proposal was to review progress in bird sound recording throughout the world and to publish lists of unrecorded birds for various regions. A Working Group was subsequently set by IBAC and this list is the first result of their research.

The South-East Asian area used is that delineated by King, Dickinson and Woodcock (1975). In compiling the list we used a base consisting of all birds given a number in KDW, and omitted each bird whose voice we found in any one of our sources (see Appendix 1). The remainder are cited below with their numbers. Obviously our list does not represent the complete picture, and we are most keen to hear from recordists that have any of the birds in their collection.

It is most important to stress that this list is not intended to focus undue attention on the pursuit of recording 'new' birds, for most of the South-East Asian avifauna is not fully recorded. Indeed, well over half the species we omitted were very poorly represented in

¹ Accepted July 1983.

our main sources, the British Library of Wildlife Sounds and the Library of Natural Sounds, Cornell University (less than five recordings combined). Many of the species which had been recorded are widespread in distribution and may not actually have been taped in the region concerning us; others may have been recorded in captivity. Moreover, there is no guarantee that any recordings are of good technical quality for a given species. Probably less than fifty mainly South-East Asian birds have had good coverage of their vocabularies. Therefore, whilst it is hoped that attention will be paid to the species herein, this will not detract from the interest in taping 'common' birds.

We are greatly indebted to Ron Kettle, curator of the British Library of Wildlife Sounds, and to Dr. James Gulledge at the Cornell University Laboratory of Ornithology for access to collection lists and information on published recordings. Lt.-Col. Terry White and Ken Scriven also deserve special mention. Finally, thanks are due to the various recordists who have contributed tape copies or information to sound libraries and have, of course, recorded the birds.

The list

Quoted numbers and taxonomy follow King, Dickinson and Woodcock. The species are grouped into families, the family name being succeeded by two figures. The first refers to the number of unrecorded species, the second to the total number of species, in South-East Asia. Endemic birds are indicated by an asterisk (*), endangered birds by a/.

² The British Library of Wildlife Sounds, The National Sound Archive, 29 Exhibition Road, London SW7 2AS, England.

	Hypnopatibae (1 2)	149	malanalauaas
0	Hydrobatidae (1, 2)		Falco amurensis
8	Oceanodroma monorhis		severus
11	Pelecanidae (1, 3)		
11	Pelecanus philippensis		— jugger
16	PHALACROCORACIDAE (2, 5)	150	PHASIANIDAE (18, 39)
	Phalacrocorax fuscicollis	159	Francolinus pintadeanus
19	Anhinga melanogaster	161	Melanoperdix nigra
201	Fregatidae (2, 3)	166	Arborophila rufogularis
,	Fregata andrewsi		atrogularis
22	ariel		davidi
22	Ardeidae (8, 21)		cambodiana
	Ardea insignis		Galloperdix oculea
	sumatrana		Bambusicola fytchii
	Ardeola bacchus	,	Tragopan blythii
	—— speciosa		Lophophorus sclateri
,	Egretta eulophotes		* Lophura imperialis
38	Gorsachius melanolophus		* — edwardsi
	Ixobrychus eurhythmus		erythropthalma
42			——— diardi
441	CICONIDAE (5, 9)	and the second second	Syrmaticus humiae
-	Ibis cinereus		Chrysolophus amherstiae
	Ciconia episcopus		Polyplectron bicalcaratum
	Xenorhynchus asiaticus	192*	————— germaini
	Leptoptilos dubius	100	TURNICIDAE (1, 3)
32	javanicus	198	Turnix tanki
52	Threship in the state of the st	201 /	GRUIDAE (1, 4)
53	Threskiornis melanocephalus	201/	Grus nigricollis
,	Pseudibis davisoni	205	RALLIDAE (4, 16)
	* ———— gigantea		Rallus striatus
38	Platalea minor		Rallina fasciata
70 /	ANATIDAE (3, 35)		Porzana bicolor
	Rhodonessa caryophyllacea	214	Amaurornis akool
	Aythya baeri	220	HELIORNITHIDAE (1, 1)
93/	Mergus squamatus	220	Heliopais personata
96	Accipitridae (11, 50)	222	OTIDIDAE (1, 2)
97	Aviceda jerdoni	222	Eupodotis bengalensis
106	leuphotes	224	JACANIDAE (1, 2) Metanidius indiaus
110	Icthyophaga nana	224	Metopidius indicus
111	Gyps indicus Sarcogyps calvus	236	Charadrius peronii
119	Circus melanoleucos	240	veredus
121	Accipiter gularis	240	SCOLOPACIDAE (3, 39)
122		251/	Tringa guttifer
125	virgatus soloensis	259	Gallinago solitaria
123	Butastur liventer	267	Calidris tenuirostris
145	Spizaetus nanus	207	GLAREOLIDAE (2, 2)
173	FALCONIDAE (7, 13)	286	Glareola maldivarum
146*	Polihierax insignis	287	lactea
147	Microhierax caerulescens	201	LARIDAE (3, 28)
148		290.1	Larus saundersi
170	Jungmanus	270.1	Luius suunueist

UNRECORDED SOUTHEAST ASIAN BIRDS

306 Sterna acuticauda	PICIDAE (10, 42)
312/ — zimmermanni	502 Picumnus innominatus
RYNCHOPIDAE (1, 1)	503 Sasia ochracea
316 Rynchops albicollis	508 Picus xanthopygaeus
COLUMBIDAE (14, 30)	510 — rabieri
317 Treron apicauda	511* ——— erythropygius
318* —— seimundi	518 Dinopium shorii
319 — sphenura	521 Gecinulus grantia
322 — pompadora	524* Meiglyptes jugularis
323 —— fulvicollis	532 Picoides atratus
325 —— vernans	538 Hemicircus canente
327 ——— capellei	PITTIDAE (6, 12)
328 — phoenicoptera	552 Pitta soror
329 Ptilinopus jambu	553 — caerulea
331 Ducula bicolor	557* —— ellioti
333 Columba leuconota	558 — cyanea
335 — hodgsonii	560/*gurneyi
337 ——— punicea	561 — phayrei
346 Caloenas nicobarica	HIRUNDINIDAE (2, 11)
PSITTACIDAE (1, 9)	568/* Pseudochelidon sirintarae
355 Loriculus galgulus	571 Hirundo concolor
CUCULIDAE (3, 29)	CAMPEPHAGIDAE (5, 20)
369 Chrysococcyx maculatus	579 Hemipus picatus
372 ——— malayanus	585* Coracina polioptera
376 Phoenicophaeus sumatranus	592 Pericrocotus cinnamomeus
Tytonidae (1, 3)	593 ———— igneus
386 Tyto capensis	594 ———— erythropygius
Strigidae (2, 23)	CHLOROPSEIDAE (1, 8)
398 Ketupa flavipes	601 Aegithina lafresnayei
399 ——— ketupu	PYCNONOTIDAE (7, 39)
APODIDAE (6,13)	611 Pycnonotus melanoleucos
422 Collocalia gigas	615 ———— cyaniventris
423 ———— fuciphaga	617 ——— xanthorrhous
428 Hirundapus cochinchinensis	626* ———— blanfordi
429 ——— giganteus	637 Hypsipetes viridescens
430 Rhaphidura leucopygialis	643 ———— castanotus
431 Apus acuticaudus	645* ——— thompsoni
HEMIPROCNIDAE (1, 3)	Oriolidae (2, 8)
435 Hemiprocne coronata	655 Oriolus tenuirostris
Trogonidae (1, 7)	659 —— mellianus
444 Harpactes wardi	Corvidae (6, 22)
ALCEDINIDAE (3, 16)	665 Urocissa whiteheadi
447 Alcedo hercules	671 Dendrocitta frontalis
449 ——— meninting	672 Crypsirina temia
452 Ceyx rufidorsus	673* ———— cucullata
BUCEROTIDAE (2, 13)	674 Temnurus temnurus
471 Ptilolaemus tickelli	
473 Aceros nipalensis	682 Corvus torquatus AEGITHALIDAE (1, 2)
CAPITONIDAE (1, 16)	
485* Megalaima lagrandieri	683 Aegithalos iouschistos

JOURNAL, BOMBAY NATURAL HIST. SOCIETY, Vol. 81

688.1 Parus venustulus SITTIDAE (5, 9) 846 695 Sitta nagaensis 6988 — victoriae 698 — victoriae 700* — solangiae 702 — magna 853 — guttaticollis 703 — formosa 855 — alphonsianus TIMLIDAE (45, 139) 858 — davidianus 713 Pellorneum albiventre 859 — atrosuperciliaris 730 — ochraceiceps 860 — ruficeps 731 Jabouilleia danjoui 733 Paloniuleia danjoui 734 Rimator malacopilus 856 Erithacus sibilans 737 Napothera marmorata 870 — ruficeps 871 — obscurus 872 — truficeps 873 — obscurus 874 — formosus 875 — alphonsianus 876 — ruficeps 877 — ruficeps 877 — ruficeps 878 — obscurus 879 — ruficeps 870 — ruficeps 871 — obscurus 872 — herberti 873 — herberti 874 — longirostris 875 — longirostris 876 — longirostris 877 — maesi 878 — longirostris 879 — maesi 870 — maesi 871 — maesi 872 — maesi 873 — pulchelia 874 — longirostris 875 — merulinus 876 — longirostris 877 — maesi 877 — maesi 878 — ruficeps 879 — viralis 870 — maesi 871 — obscurus 870 — ruficeps 870 — ruficeps 871 — obscurus 872 — herberti 873 — longirostris 874 — longirostris 875 — maesi 875 — longirostris 876 — longirostris 877 — maesi 877 — maesi 877 — maesi 877 — maesi 878 — ruficapilla 878 — ruficapilla 879 — ruficapilla 870 — ruficeps 871 — ruficeps 872 — ruficapilla 873 — ruficeps 874 — ruficapilla 875 — austeni 876 — priedoni 877 — marainata 877 — ruficeps 878 — ruficeps 879 — ruficeps 870 — ruficeps 870 — ruficeps 871 — ruficeps 871 — ruficeps 872 — ruficeps 872 — ruficeps 873 — ruficeps 874 — ruficeps 875 — austeni 875 — austeni 877 — ruficeps 878 — ruficeps 879 — ruficeps 870 — ruficeps 871		Paridae (1, 10)		842*	Yuhina humilis
SITTIDAE (5, 9)	688 1				
698	000.1				
Section Sect	605			040	
Total				851	
702 — magna 853 — guttaticollis 703 — formosa 855 — alphonsianus 713 — formosa 855 — alphonsianus 713 Pellorneum albiventre 859 — atrosuperciliaris 726.1 Pomatorhinus erythrocnemis 860 — ruficeps 730 — ochraceiceps 861 — gularis 733* Jabouilleia danjoui TURDIDAE (23, 71) 734 Rimator malacoptilus 866 Erithacus sibilans 737 Napothera marmorata 870 — ruficeps 743 Spelacornis troglodytoides 871 — obscurus 744 — formosus 872 — pectardens 745 — chocolatinus 878 Tarsiger hyperythrus 8745 — chocolatinus 878 Tarsiger hyperythrus 8746 Sphenocichla humei 883 Phoenicurus hodgsoni 747* Stachyris rodolphei 885 — schisticeps 752* — herberti 891 Grandala coelicolor 761* Macronous kelleyi 892 Enicurus scouleri 768 — longirostris 894 — immaculatus 768 — longirostris 898 Cochoa purpurea 769 Babax lanceolatus 899 — viridis 778* Garrulax milleti 901 Saxicola leucura 779 — maesi 903 — jerdoni 781 — nuchalis 905 Thamnolaea leucocephala 782* — vassali 907 Monticola gularis 784 — delesserti 912 Zoothera interpres 785 — austeni 928 — jeae 714 — dixoni 919 — marginata 910* Myophonus robinsoni 920 Turdus dissimilis 910 — marginata 920 — perturhius 401 — jormosus 928 — jeae 920 — perturhius 793 — sannio 920 Turdus dissimilis 910 — marginata 920 — perturhius 201 — hortulorum 928 — jeae 920 — perturhius 202 — hortulorum 928 — jeae 920 — perturhius 202 — hortulorum 928 — jeae 920 — montis 921 — hortulorum 928 — jeae 921 — hortulorum 928 — jeae 922 — hortulorum 928 — jeae 923 — montis 924 — hortulorum 924 — armandii 925 — jeae 924 — hortulorum 926 — castaniceps 927 — circepalus 202 — hortulorum 928 — castaniceps 929 — rurdius xoniceps 920 — rurdius xoniceps 921 — hortulorum 922 — hortulorum 923 — castaniceps 924 — hortulorum 924 — armandii 925 — rufocial la periori 926 — cantator 927 — ruficapilla 926 — cantator 927 — ruficapilla 926 — cantator 927 — ruficapilla 926 — rufocial la periori 927 — armandii 928 — rufocial annotetens 928 — rufocial annotetens 929 — rufocial annotetens 9290 — rufocial annotetens 9290 — rufocial annotetens 9290 — rufo					
TIMALIDAE (45, 139) TIMALIDAE (45, 139) TIMALIDAE (45, 139) TIS Pellorneum albiventre 859 — atrosuperciliaris 726.1 Pomatorhinus erythrocnemis 860 — ruficeps 730 — ochraceiceps 861 — gularis 733* Jabouilleia daijoui TURDIDAE (23, 71) 734 Rimator malacoptilus 866 Erithacus sibilans 737 Napothera marmorata 870 — ruficeps 743 Spelacornis troglodytoides 871 — obscurtus 744 — formosus 878 Tarsiger hyperythrus 745 — chocolatinus 878 Tarsiger hyperythrus 746 Sphenocichla humei 883 Phoenicurus kouleri 747* Stachyris rodolphei 885 — schisticeps 752* — herberti 891 Grandala coelicolor 761* Macronous kelleyi 892 Enicurus scouleri 767* Turdoides gularis 894 — immaculatus 768 — longirostris 898 Cochoa purpurea 769 Babax lanceolatus 899 — viridis 779 — maesi 903 — jerdoni 779 — maesi 903 — jerdoni 781 — nuchalis 905 Thamnolaea leucocephala 782* — vassali 907 Monticola gularis 783 — galbanus 910* Myophonus robinsoni 784 — delesserti 912 Zoothera interpres 785 — cineraceus 916 — dixoni 791 — merulinus 919 — marginata 920 Turdus dissimilis 930 — jerdon 94 — virgatus 95 — usteni 960 — cantator 975 — austeni 976 — souliei 977 — minei 978 — cineraceus 979 — montis 980 — versini 990 — yersini 991 — hortulorum 992 — hortulorum 993 — castaniceps 993 — montis 994 — virgatus 995 — montis 996 — cantator 997 — menalitor 998 — cochoa lumpinis 999 — montis 990 — cantator 991 — rufocipilla 990 — cantator 991 — rufocipilla 992 — rufocipilla 993 — cochoa langbianis 994 — ruficepilla 995 — decreephalus concinens 996 — centator 997 — rufocipila 998 — cochoa langbianis 999 — cettia major					
TIMALIDAE (45, 139) 713 Pellorneum albiventre 726.1 Pomatorhinus erythrocnemis 730 — ochraceiceps 731 Pomatorhinus erythrocnemis 732 Palbouilleia danjoui 733 Pabouilleia danjoui 734 Rimator malacopilius 737 Napothera marmorata 738 Spelacornis troglodytoides 739 Pomatorinus erythrocnemis 730 — ruficeps 731 Pomator malacopilius 731 Rimator malacopilius 732 Spelacornis troglodytoides 733 Pabouilleia formosus 734 — obscurus 735 Pomatorinus 736 Pomatorinus 737 Pomatorinus 738 Pomatorinus 739 Pomatorinus 740 — pectardens 741 — obscurus 742 — pectardens 743 Pomatorinus 744 — ofornosus 745 — chocolatinus 746 Sphenocichla humei 747 Stachyris rodolphei 748 Pomatorinus 749 Pomatorinus 740 Pomatorinus 741 Pomatorinus 742 Pomatorinus 743 Pomatorinus 744 — immaculatus 745 — cherberti 746 Pomatorinus 747 Vardoides gularis 748 Pomatorinus 749 — viridis 749 — viridis 740 Pomatorinus 741 Pomatorinus 742 Pomatorinus 743 Pomatorinus 744 — immaculatus 745 — vassali 746 Pomatorinus 747 Pomatorinus 748 Pomatorinus 749 — maesi 740 Pomatorinus 741 Pomatorinus 742 Pomatorinus 743 Pomatorinus 744 — immaculatus 745 — immaculatus 746 Pomatorinus 747 Pomatorinus 748 Pomatorinus 749 Pomatorinus 749 — maesi 740 Pomatorinus 741 Pomatorinus 742 Pomatorinus 743 Pomatorinus 744 — immaculatus 745 Pomatorinus 746 Pomatorinus 747 Pomatorinus 748 Pomatorinus 749 Pomatorinus 740 Pomatorinus 741 Pomatorinus 741 Pomatorinus 742 Pomatorinus 743 Pomatorinus 744 — immaculatus 745 Pomatorinus 746 Pomatorinus 747 Pomatorinus 748 Pomatorinus 749 Pomatorinus 740 Pomatorinus 741 Pomatorinus 741 Pomatorinus 742 Pomatorinus 743 Pomatorinus 744 Pomatorinus 745 Pomatorinus 745 Pomatorinus 746 Pomatorinus 747 Pomatorinus 748 Pomatorinus 749 Pomatorinus 740 Pomatorinus 741 Pomatorinus 741 Pomatorinus 742 Pomatorinus 744 Pomatorinus 745 Pomatorinus 745 Pomatorinus 746 Pomatorinus 747 Pomatorinus 748 Pomatorinus 748 Pomatorinus 749 Pomatorinus 740 Pomatorinus 7					
713. Pellorneum albiventre 726.1 Pomatorhinus erythrocenemis 730 — ochraceiceps 861 — gularis 733* Jabouilleia danjoui 73 Nepothera marmorata 870 — miliceps 731 Nepothera marmorata 870 — miliceps 731 Nepothera marmorata 871 — obscurus 742 — formosus 743 Spelaeornis troglodytoides 874 — formosus 745 — chocolatinus 746 Sphenocichla humei 887 Rarsiger hyperythrus 746 Sphenocichla humei 888 Phoenicurus hodgsoni 747* Stachyris rodolphei 885 — schisticeps 752* — herberti 761* Macronous kelleyi 892 Enicurus scouleri 763 Turdoides gularis 894 — longirostris 895 — viridis 896 — immaculatus 897 — wiridis 898 Cochoa purpurea 899 — viridis 899 — viridis 890 — maesi 901 Saxicola leucura 779 — maesi 902 Saxicola leucura 783 — galbanus 903 Thamnolaea leucocephala 884 — delesserti 912 Zoothera interpres 885 — cineraceus 916 — dixoni 919 — marginata 910 — persini 800 — yersini 800 — yersini 801 — formosus 802 — montis 803 Liocichla phoenicea 803 Liocichla phoenicea 804 — ruficapilla 805 — rufogularis 806 — rufogularis 807 — montis 807 — montis 808 — castaniceps 809 — runinei 809 Pteruthius xanthochlorus 815 Actinodura waldeni 816 — souliei 817 Minla cyanouroptera 821 Alcippe cinerea 824 — ruficapilla 825 — rufogularis 826 — rufogularis 827 — peetardens 860 — rufogularis 870 — armandii 871 — merulinus 872 — armandii 873 — Geardiis 874 — virgatus one merulinis 875 — austeni 875 — austeni 877 — montis 877 — montis 878 — castaniceps 879 — montis 879 — montis 879 — montis 870 — cantator 871 — rufocapila 872 — rufogularis 873 — gracilis 874 — rufocapila 875 — rufogularis 876 — rufogularis 877 — rufocapila 877 — armandii 878 — rufogularis 879 — rufogularis 870 — rufogularis 871 — rufocapila 872 — rufocapila 873 — Repeatareus sunterosentis 874 — rufocapila 875 — rufogularis 876 — rufogularis 877 — armandii 877 — armandii 878 — rufogularis 879 — rufogularis 870 — rufogularis 871 — rufocapila — rufocapila — rufocapila — rufocapila — rufocapila	103				
726.1 Pomatorhinus erythrocnemis 730 — ochraceteeps 861 — gularis 733* Jabouilleia danjoui 734* Rimator malacoptilus 866 Erithacus sibilans 737 Napothera marmorata 870 — ruficeps 743 Spelaeornis troglodytoides 871 — obscurus 744 — formosus 872 — peetardens 745 — chocolatinus 878 Tarsiger hyperythrus 746 Sphenocichla humei 883 Phoenicurus hodgsoni 747* Stachyris rodolphei 885 — schisticeps 752* — herberti 891 Grandala coelicolor 761* Macronous kelleyi 892 Enicurus scouleri 767* Turdoides gularis 894 — immaculatus 768 — longirostris 898 Cochoa purpurea 899 — viridis 778* Garrulax milleti 901 Saxicola leucura 779 — maesi 903 — jerdoni 781 — nuchalis 905 Thamnolaea leucocephala 782* — vassali 907 Monticola gularis 783 — galbanus 910* Myophonus robinsoni 784 — delesserti 912 Zoothera interpres 785 — cineraceus 916 — dixoni 791 — merulinus 919 — marginata 793 — sannio 920 Turdus dissimilis 931 — seriacus 800* — yersini 800* — yersini 800* — yersini 800 — pieruthius xanthochlorus 804 — immaculatus 805 — jeae 806 — rufogularis 807 — milnei 808 — castaniceps 809 — montis 809 — pieruthius xanthochlorus 800 — cantator 810 — formosus 941 Abroscopus schisticeps 811 — ficketti 812 — ruficapilla 813 — rufogularis 814 — ruficapilla 815 — gracilis 816 — rufogularis 817 — ruficeps 818 — ruficapilla 819 — rufogularis 810 — forminicola bengalensis 811 — rufocularis 812 — rufogularis 813 — gracilis	713				
730 — ochraceiceps 733* Jabouilleia danjoui TURDIDAE (23, 71) 734 Rimator malacoptilus 866 Erithacus sibilans 737 Napothera marmorata 870 — ruficeps 743 Spelaeornis troglodytoides 871 — obscurus 744 — formosus 745 — chocolatinus 878 Tarsiger hyperythrus 746 Sphenocichla humei 883 Phoenicurus hodgsoni 747* Stachyris rodolphei 885 — schisticeps 752* — herberti 761* Macronous kelleyi 892 Enicurus scouleri 768 — longirostris 894 — immaculatus 768 Babax lanceolatus 899 — viridis 779 — maesi 903 — jerdoni 781 — nuchalis 782* — vassali 907 Monticola gularis 783 — galbanus 908 — delesserti 910 Zoothera interpres 785 — cineraceus 910 — merulinus 911 — merulinus 912 — marginata 913 — sannio 920 Turdus dissimilis 904 — virgatus 905 — austeni 906 — yersini 806 — yersini 807 — hortulorum 928 — feae 807 — montis 808 — preturbius xanthochlorus 809 — montis 809 — montis 800 — cantator 801 — cantator 802 — rufogularis 803 Liocichla phoenicea 803 — locichla phoenicea 804 — ruficapilla 805 — rufogularis 806 — rufogularis 807 — ricketti 807 — cettia major 808 — cantator 809 — cantator 809 — cantator 800 — cantator 801 — ricketti 802 — rufogularis 803 — gracilis 804 — ruficapilla 805 — Graminicola bengalensis 806 — rufogularis 807 — Graminicola bengalensis 808 — gracilis					
733* Jabouilleia danjoui 734 Rimator malacopillus 737 Napothera marmorata 737 Napothera marmorata 738 Spelaeornis troglodytoides 743 Spelaeornis troglodytoides 744 — formosus 745 — chocolatinus 746 Sphenocichla humei 747* Stachyris rodolphei 748 Stachyris rodolphei 752* — herberti 761* Macronous kelleyi 763* Turdoides gularis 768 — longirostris 769 Babax lanceolatus 779 — maesi 770 — morulius 770 —					
Rimator malacoptilus Napothera marmorata Rimator malacoptilus Napothera marmorata Rimator malacoptilus Spelaeornis troglodytoides Rimator formosus Rimator formosus Rimator formosus Rimator formosus Rimator formosus Rimator formosus Rimator malacoptilus Rimator marmorata Rimator malacoptilus Rimator marmorata Rimator milects Spelaeornis troglodytoides Rimator formosus Rimator malacoptilus Rimator marmorata Rimator milects Rimator marmorata Rimator milects Rimator marmorata Rimator milects Rimator milects Rimator marmorata Rimator milects Rimator marmorata Rimator milects Rimator milects Rimator marmorata Rimator milects Rimator heterory hilescopus subatifinis Rimator milectiti Rimator mileceles Rimator milectiti Rimator milectiti Rimator milectiti Ri				001	
737 Napothera marmorata Spelaeornis troglodytoides S71 — obscurus 744 — formosus S72 — pectardens 745 — chocolatinus S88 Tarsiger hyperythrus 746 Sphenocichla humei S88 Phoenicurus hodgsoni 747* Stachyris rodolphei S85 — schisticeps 752* — herberti S91 Grandala coelicolor 761* Macronous kelleyi S92 Enicurus scouleri 767* Turdoides gularis S94 — immaculatus 768 — longirostris S98 Cochoa purpurea S99 — viridis 778* Garrulax milleti S91 Saxicola leucura 779 — maesi S93 — jerdoni 781 — nuchalis S95 Thamnolæea leucocephala Mophonus robinsoni 784 — delesserti S90 Myophonus robinsoni 784 — delesserti S91 Zoothera interpres 791 — merulinus 793 — sannio S91 Turdus dissimilis 794 — virgatus S90 — virgatus S91 — hortulorum 795 — austeni S90 — yersini S00 * yersini S00 * yersini S00 * yersini S01 — formosus S02 — milnei S93 — castaniceps S94 — armandii S95 Phylloscopus subaffinis S96 — cantator S16 — souliei S97 — armandii S97 — armandii S98 — cantinicola bengalensis S99 — rufcetui naior				866	
743 Spelaeornis troglodytoides 871 — obscurus 744 — formosus 872 — pectardens 745 — chocolatinus 878 Tarsiger hyperythrus 746 Sphenocichla humei 883 Phoenicurus hodgsoni 747* Stachyris rodolphei 885 — schisticeps 752* — herberti 891 Grandala coelicolor 761* Macronous kelleyi 892 Enicurus scouleri 76* Turdoides gularis 894 — immaculatus 768 — longirostris 898 Cochoa purpurea 8 — longirostris 898 Cochoa purpurea 8 — longirostris 898 Cochoa purpurea 8 — longirostris 898 Cochoa purpurea 89 — wiridis 99 — wiridis 778* Garrulax milleti 901 Saxicola leucura 779 — maesi 903 — jerdoni 781 — nuchalis 905 Thamnolaea leucocephala 782* — vassali 907 Monticola gularis 783 — galbanus 910* Monticola gularis 784 — delesserti 912 Zoothera interpres 785 <t< td=""><td></td><td></td><td></td><td></td><td></td></t<>					
744 — formosus 878 Tarsiger hyperythrus 746 Sphenocichla humei 883 Phoenicurus hodgsoni 747* Stachyris rodolphei 885 — schisticeps 752* — herberti 891 Grandala coelicolor 761* Macronous kelleyi 892 Enicurus scouleri 767* Turdoides gularis 894 — immaculatus 768 — longirostris 898 Cochoa purpurea 899 — viridis 778* Garrulax milleti 901 Saxicola leucura 779 — maesi 903 — jerdoni 781 — nuchalis 905 Thamnolaea leucocephala 782* — vassali 907 Monticola gularis 883 — galbanus 910* Myophonus robinsoni 784 — delesserti 912 Zoothera interpres 785 — cineraceus 916 — dixoni 910 — marginata 910 —		[2] 10 12 12 구입 20 12 12 12 12 12 12 12 12 12 12 12 12 12			
745 — chocolatinus 746 Sphenocichla humei 747 Stachyris rodolphei 752* — herberti 751* Macronous kelleyi 768 — longirostris 768 — longirostris 769 Babax lanceolatus 779 — maesi 779 — maesi 781 — nuchalis 782 — vassali 783 — galbanus 784 — delesserti 791 — merulinus 791 — merulinus 792 — merulinus 793 — sannio 794 — virgatus 795 — austeni 796 — qusteni 797 — milnei 798 — oninitis 799 — maesi 790 — maesi 790 — maesi 791 — maesi 792 — rodoni 781 — nuchalis 793 — sannio 794 — virgatus 795 — austeni 796 — onitulorum 797 — merulinus 798 — onitulorum 799 — marginata 790 — marginata 791 — merulinus 792 — marginata 793 — sannio 794 — virgatus 795 — austeni 796 — onitulorum 797 — austeni 798 — onitulorum 799 — marginata 790 — onitulorum 791 — merulinus 792 — hortulorum 793 — sannio 794 — virgatus 795 — austeni 796 — onitulorum 797 — austeni 798 — onitulorum 798 — onitulorum 799 — onitulorum 790 — onitulorum 791 — onitulorum 792 — onitulorum 794 — virgatus 795 — austeni 796 — onitulorum 797 — onitulorum 798 — onitulorum 799 — onitulorum 790 — onitulorum 791 — onitulorum 792 — onitulorum 794 — virgatus 795 — onitulorum 796 — ocataniceps 797 — ocataniceps 798 — ocataniceps 799 — onitis 790 — ocatator 790 — ocatialor 790 — ocatialo		그는 유민이 얼마 얼마나 되었다.			
746 Sphenocichla humei 747 Stachyris rodolphei 752* — herberti 751* Macronous kelleyi 765* — herberti 761* Macronous kelleyi 768 — longirostris 768 — longirostris 769 Babax lanceolatus 779 — maesi 779 — maesi 781 — nuchalis 782* — vassali 783 — galbanus 784 — delesserti 785 — cineraceus 785 — cineraceus 786 — dixoni 787 — merulinus 788 — delesserti 789 — marginata 791 — marginata 792 — marginata 793 — sannio 794 — virgatus 794 — virgatus 795 — austeni 796 — yersini 797 — milnei 798 — milnei 799 — matsi 790 — matsi 791 — merulinus 793 — sannio 794 — virgatus 795 — austeni 796 — perae 797 — matsi 798 — perae 799 — marginata 799 — marginata 790 — marginata 791 — merulinus 792 — mortilorum 794 — virgatus 795 — austeni 796 — perae 797 — perae 798 — peae 799 — perae 799 — montis 790 — milnei 791 — merulinus 792 — milnei 793 — sannio 794 — virgatus 795 — austeni 796 — perae 797 — perae 798 — peae 799 — peae 799 — peae 790 — perae 790 — perae 791 — pormosus 792 — peae 793 — peae 794 — virgatus 795 — austeni 796 — peae 797 — peae 798 — peae 799 — peae 799 — peae 799 — peae 799 — peae 790 — perae 790 — perae 791 — pormosus 792 — peae 793 — peae 794 — peae 795 — austeni 796 — peae 797 — montis 798 — peae 799 — pe					
747* Stachyris rodolphei 752* — herberti 891 Grandala coelicolor 761* Macronous kelleyi 892 Enicurus scouleri 768* — longirostris 898 Cochoa purpurea 769 Babax lanceolatus 779 — maesi 779 — maesi 781 — nuchalis 782* — vassali 890 Monticola gularis 783 — galbanus 784 — delesserti 785 — cineraceus 791 — merulinus 791 — merulinus 792 — marginata 793 — sannio 794 — virgatus 795 — austeni 796 — yersini 800 Pteruthius xanthochlorus 807 Pteruthius xanthochlorus 808 Cochoa purpurea 899 — viridis 890 Cochoa purpurea 890 — viridis 890 — viridis 890 — viridis 890 — Jerdoni 890 Monticola gularis 8910* Myophonus robinsoni 8910* Myophonus robinsoni 892 — marginata 893 — sannio 894 — marginata 895 — marginata 896 — peae 897 — hortulorum 897 — peae 898 — peae 899 — montis 899 — montis 890 Pteruthius xanthochlorus 891 — hortulorus 941 Abroscopus schisticeps 892 — montis 893 — castaniceps 894 — armandii 895 — souliei 895 — souliei 896 — cantator 897 — armandii 898 — castaniceps 898 — cantaor 899 — cantator 890 — cantator 891 — ricketti 892 — ruficapilla 894 — ruficapilla 895 — rufocia langbianis 896 — cettia major 897 — Graminicola bengalensis 898 — endorus luteoventris					
Total					
761* Macronous kelleyi 767* Turdoides gularis 768 —— longirostris 898 Cochoa purpurea 769 Babax lanceolatus 899 —— viridis 778* Garrulax milleti 901 Saxicola leucura 779 —— maesi 903 —— jerdoni 781 —— nuchalis 905 Thamnolaea leucocephala 782* —— vassali 907 Monticola gularis 783 —— galbanus 910* Myophonus robinsoni 784 —— delesserti 912 Zoothera interpres 785 —— cineraceus 916 —— dixoni 791 —— merulinus 919 —— marginata 793 —— sannio 920 Turdus dissimilis 794 —— virgatus 921 —— hortulorum 795 —— austeni 928 —— feae 800* —— yersini 800* —— yersini 801 —— formosus 802 —— milnei 803 Liocichla phoenicea 803 Liocichla phoenicea 804 —— souliei 805 Pteruthius xanthochlorus 815 Actinodura waldeni 816 —— souliei 817 Minla cyanouroptera 826 —— rufcapilla 826 —— rufcapilla 826 —— rufogularis 837 Crocias langbianis 838 Crocias langbianis 84 Heterophasia annectens 850 Eccenting Stadypterus luteoventris					
767* Turdoides gularis 768 — longirostris 768 Babax lanceolatus 779 Babax lanceolatus 779 — maesi 779 — maesi 779 — maesi 779 — maesi 781 — nuchalis 7782 — vassali 779 — vassali 779 — maesi 782 — vassali 783 — galbanus 784 — delesserti 779 — merulinus 779 — maesi 785 — cineraceus 786 — dixoni 787 — marginata 787 — maesi 788 — orineraceus 789 — marginata 790 — marginata 791 — merulinus 792 — marginata 793 — sannio 794 — virgatus 795 — austeni 796 — virgatus 797 — pera orineraceus 800* — yersini 800 — yersini 801 — formosus 802 — milnei 803 Liocichla phoenicea 809 Pteruthius xanthochlorus 815 Actinodura waldeni 816 — souliei 817 Minla cyanouroptera 826 — rufogularis 827 — rufocapilla 828 — cantaior 829 Graminicola bengalensis 834 Heterophasia annectens 835 — gracilis 840 Eochoa purpurea 850 Eochoa purpurea 850 Cochoa purpurea 850 Cochoa purpurea 850 Lociola phoenicea 850 Pteruthius xanthochlorus 850 — cantator 851 Actinodura waldeni 852 — rufocapilla 853 — cantator 853 — Cantaicola bengalensis 854 Heterophasia annectens 855 — gracilis					
768 —— longirostris 898 Cochoa purpurea 769 Babax lanceolatus 899 —— viridis 778* Garrulax milleti 901 Saxicola leucura 779 —— maesi 903 —— jerdoni 781 —— nuchalis 905 Thamnolaea leucocephala 782* —— vassali 907 Monticola gularis 783 —— galbanus 910* Myophonus robinsoni 784 —— delesserti 912 Zoothera interpres 785 —— cineraceus 916 —— dixoni 791 —— merulinus 919 —— marginata 793 —— sannio 920 Turdus dissimilis 794 —— virgatus 921 —— hortulorum 795 —— austeni 928 —— feae 800* —— yersini Sylvindae (13, 71) 801 —— formosus 937 Seicercus poliogenys 802 —— milnei 938 —— castaniceps 803 Liocichla phoenicea 939 —— montis 809 Pteruthius xanthochlorus 941 Abroscopus schisticeps 815 Actinodura waldeni 945 Phylloscopus subaffinis 816 —— souliei 947 —— armandii 817 Minla cyanouroptera 960 —— cantator 821 Alcippe cinerea 961 —— ricketti 824 —— ruficapilla 969 Acrocephalus concinens 826 —— rufogularis 974 Graminicola bengalensis 833* Crocias langbianis 996 Cettia major 835 —— gracilis 1002 Bradypterus luteoventris					
769Babax lanceolatus899— viridis778* Garrulax milleti901Saxicola leucura779— maesi903— jerdoni781— nuchalis905Thannolaea leucocephala782*— vassali907Monticola gularis783— galbanus910* Myophonus robinsoni784— delesserti912Zoothera interpres785— cineraceus916— dixoni791— merulinus919— marginata793— sannio920Turdus dissimilis794— virgatus921— hortulorum795— austeni928— feae800*— yersiniSYLVIIDAE (13, 71)801— formosus937Seicercus poliogenys802— milnei938— castaniceps803Liocichla phoenicea939— montis809Pteruthius xanthochlorus941Abroscopus schisticeps815Actinodura waldeni945Phylloscopus subaffinis816— souliei947— armandii817Minla cyanouroptera960— cantator821Alcippe cinerea961— ricketti824— rufocapilla969Acrocephalus concinens825— rufogularis974Graminicola bengalensis833*Crocias langbianis996Cettia major834Heterophasia annectens996Cettia major					
778* Garrulax milleti 779 — maesi 779 — maesi 781 — nuchalis 782* — vassali 783 — galbanus 784 — delesserti 785 — cineraceus 791 — merulinus 791 — merulinus 792 — marginata 793 — sannio 794 — virgatus 795 — austeni 796 — austeni 797 — gresini 7980 — persini 7990 — milnei 7990 — milnei 7990 — milnei 7991 — montis 7992 — milnei 7993 — castaniceps 7994 — virgatus 7995 — austeni 7996 — quisteni 7997 — permosus 7998 — feae 7900 — milnei 7999 — montis 790 — montis 791 — montis 792 — milnei 793 — sannio 794 — virgatus 795 — austeni 796 — austeni 797 — permosus 798 — feae 798 — feae 799 — montis 799 — mo					
779maesi903jerdoni781nuchalis905Thamnolaea leucocephala782*vassali907Monticola gularis783galbanus910*Myophonus robinsoni784delesserti912Zoothera interpres785cineraceus916dixoni791merulinus919marginata793sannio920Turdus dissimilis794virgatus921hortulorum795austeni928feae800*yersiniSYLVIIDAE (13, 71)801formosus937Seicercus poliogenys802milnei938castaniceps803Liocichla phoenicea939montis809Pteruthius xanthochlorus941Abroscopus schisticeps815Actinodura waldeni945Phylloscopus subaffinis816souliei947armandii817Minla cyanouroptera960cantator821Alcippe cinerea961crantator821Alcippe cinerea961ricketti824rufogularis974Graminicola bengalensis833*Crocias langbianis996Cettia major834Heterophasia annectens996Cettia major835gracilis1002Bradypterus luteoventris			250		
781nuchalis905Thamnolaea leucocephala782*vassali907Monticola gularis783galbanus910*Myophonus robinsoni784delesserti912Zoothera interpres785cineraceus916dixoni791merulinus919marginata793sannio920Turdus dissimilis794virgatus921hortulorum795austeni928— feae800*yersiniSYLVIIDAE (13, 71)801formosus937Seicercus poliogenys802milnei938— castaniceps803Liocichla phoenicea939— montis809Pteruthius xanthochlorus941Abroscopus schisticeps815Actinodura waldeni945Phylloscopus subaffinis816— souliei947— armandii817Minla cyanouroptera960— cantator821Alcippe cinerea961— ricketti824— ruficapilla969Acrocephalus concinens824— rufogularis974Graminicola bengalensis833*Crocias langbianis996Cettia major834Heterophasia annectens996Cettia major835— gracilis1002Bradypterus luteoventris					
782*vassali907Monticola gularis783galbanus910*Myophonus robinsoni784delesserti912Zoothera interpres785cineraceus916dixoni791merulinus919marginata793sannio920Turdus dissimilis794virgatus921hortulorum795austeni928feae800*yersiniSYLVIIDAE (13, 71)801formosus937Seicercus poliogenys802milnei938castaniceps803Liocichla phoenicea939montis809Pteruthius xanthochlorus941Abroscopus schisticeps815Actinodura waldeni945Phylloscopus subaffinis816souliei947armandii817Minla cyanouroptera960cantator821Alcippe cinerea961ricketti824ruficapilla969Acrocephalus concinens824rufogularis974Graminicola bengalensis833*Crocias langbianis996Cettia major834Heterophasia annectens996Cettia major835gracilis1002Bradypterus luteoventris					
783— galbanus910* Myophonus robinsoni784— delesserti912 Zoothera interpres785— cineraceus916— dixoni791— merulinus919— marginata793— sannio920 Turdus dissimilis794— virgatus921— hortulorum795— austeni928— feae800*— yersiniSYLVIIDAE (13, 71)801— formosus937Seicercus poliogenys802— milnei938— castaniceps803Liocichla phoenicea939— montis809Pteruthius xanthochlorus941Abroscopus schisticeps815Actinodura waldeni945Phylloscopus subaffinis816— souliei947— armandii817Minla cyanouroptera960— cantator821Alcippe cinerea961— ricketti824— ruficapilla969Acrocephalus concinens824— rufogularis974Graminicola bengalensis833*Crocias langbianis996Cettia major834Heterophasia annectens996Cettia major835— gracilis1002Bradypterus luteoventris					
784 — delesserti 912 Zoothera interpres 785 — cineraceus 916 — dixoni 791 — merulinus 919 — marginata 793 — sannio 920 Turdus dissimilis 794 — virgatus 921 — hortulorum 795 — austeni 928 — feae 800* — yersini SYLVIIDAE (13, 71) 801 — formosus 937 Seicercus poliogenys 802 — milnei 938 — castaniceps 803 Liocichla phoenicea 939 — montis 809 Pteruthius xanthochlorus 941 Abroscopus schisticeps 815 Actinodura waldeni 945 Phylloscopus subaffinis 816 — souliei 947 — armandii 817 Minla cyanouroptera 960 — cantator 821 Alcippe cinerea 961 — ricketti 824 — ruficapilla 969 Acrocephalus concinens 824 — rufogularis 974 Graminicola bengalensis 833* Crocias langbianis 996 Cettia major 835 — gracilis 1002 Bradypterus luteoventris					
785 — cineraceus 916 — dixoni 791 — merulinus 919 — marginata 793 — sannio 920 Turdus dissimilis 794 — virgatus 921 — hortulorum 795 — austeni 928 — feae 800* — yersini SYLVIIDAE (13, 71) 801 — formosus 937 Seicercus poliogenys 802 — milnei 938 — castaniceps 803 Liocichla phoenicea 939 — montis 809 Pteruthius xanthochlorus 941 Abroscopus schisticeps 815 Actinodura waldeni 945 Phylloscopus subaffinis 816 — souliei 947 — armandii 817 Minla cyanouroptera 960 — cantator 821 Alcippe cinerea 961 — ricketti 824 — ruficapilla 969 Acrocephalus concinens 826 — rufogularis 974 Graminicola bengalensis 833* Crocias langbianis 996 Cettia major 834 Heterophasia annectens 835 — gracilis 1002 Bradypterus luteoventris					
791merulinus919marginata793sannio920Turdus dissimilis794virgatus921hortulorum795austeni928feae800*yersiniSYLVIIDAE (13, 71)801formosus937Seicercus poliogenys802milnei938castaniceps803Liocichla phoenicea939montis809Pteruthius xanthochlorus941Abroscopus schisticeps815Actinodura waldeni945Phylloscopus subaffinis816souliei947armandii817Minla cyanouroptera960cantator821Alcippe cinerea961ricketti824ruficapilla969Acrocephalus concinens826rufogularis974Graminicola bengalensis833*Crocias langbianis974Graminicola bengalensis834Heterophasia annectens996Cettia major835gracilis1002Bradypterus luteoventris					*
793 — sannio 794 — virgatus 795 — austeni 800* — yersini 801 — formosus 802 — milnei 803 Liocichla phoenicea 809 Pteruthius xanthochlorus 815 Actinodura waldeni 816 — souliei 817 Minla cyanouroptera 821 Alcippe cinerea 824 — ruficapilla 826 — rufogularis 838 * Crocias langbianis 834 Heterophasia annectens 835 — gracilis 892 Turdus dissimilis 921 — hortulorum 928 — hortulorum 928 — feae SYLVIIDAE (13, 71) 893 — castaniceps 894 — castaniceps 995 — montis 994 Abroscopus schisticeps 994 Phylloscopus subaffinis 994 — armandii 995 — cantator 996 — cantator 997 — ricketti 998 Acrocephalus concinens 997 Graminicola bengalensis					
794— virgatus921— hortulorum795— austeni928— feae800*— yersiniSYLVIIDAE (13, 71)801— formosus937Seicercus poliogenys802— milnei938— castaniceps803Liocichla phoenicea939— montis809Pteruthius xanthochlorus941Abroscopus schisticeps815Actinodura waldeni945Phylloscopus subaffinis816— souliei947— armandii817Minla cyanouroptera960— cantator821Alcippe cinerea961— ricketti824— ruficapilla969Acrocephalus concinens826— rufogularis974Graminicola bengalensis833*Crocias langbianis996Cettia major834Heterophasia annectens996Cettia major835— gracilis1002Bradypterus luteoventris					
795— austeni928— feae800*— yersiniSYLVIIDAE (13, 71)801— formosus937Seicercus poliogenys802— milnei938— castaniceps803Liocichla phoenicea939— montis809Pteruthius xanthochlorus941Abroscopus schisticeps815Actinodura waldeni945Phylloscopus subaffinis816— souliei947— armandii817Minla cyanouroptera960— cantator821Alcippe cinerea961— ricketti824— ruficapilla969Acrocephalus concinens826— rufogularis974Graminicola bengalensis833*Crocias langbianis996Cettia major834Heterophasia annectens996Cettia major835— gracilis1002Bradypterus luteoventris					
800*yersiniSYLVIIDAE (13, 71)801formosus937Seicercus poliogenys802milnei938castaniceps803Liocichla phoenicea939montis809Pteruthius xanthochlorus941Abroscopus schisticeps815Actinodura waldeni945Phylloscopus subaffinis816souliei947armandii817Minla cyanouroptera960cantator821Alcippe cinerea961ricketti824ruficapilla969Acrocephalus concinens826rufogularis974Graminicola bengalensis833*Crocias langbianis996Cettia major834Heterophasia annectens996Cettia major835gracilis1002Bradypterus luteoventris		virgatus			
801— formosus937Seicercus poliogenys802— milnei938— castaniceps803Liocichla phoenicea939— montis809Pteruthius xanthochlorus941Abroscopus schisticeps815Actinodura waldeni945Phylloscopus subaffinis816— souliei947— armandii817Minla cyanouroptera960— cantator821Alcippe cinerea961— ricketti824— ruficapilla969Acrocephalus concinens826— rufogularis974Graminicola bengalensis833*Crocias langbianis996Cettia major834Heterophasia annectens996Cettia major835— gracilis1002Bradypterus luteoventris				928	
802 — milnei 938 — castaniceps 803 Liocichla phoenicea 939 — montis 809 Pteruthius xanthochlorus 941 Abroscopus schisticeps 815 Actinodura waldeni 945 Phylloscopus subaffinis 816 — souliei 947 — armandii 817 Minla cyanouroptera 960 — cantator 821 Alcippe cinerea 961 — ricketti 824 — ruficapilla 969 Acrocephalus concinens 826 — rufogularis 974 Graminicola bengalensis 833* Crocias langbianis 974 Graminicola bengalensis 834 Heterophasia annectens 996 Cettia major 835 — gracilis 1002 Bradypterus luteoventris					
803Liocichla phoenicea939— montis809Pteruthius xanthochlorus941Abroscopus schisticeps815Actinodura waldeni945Phylloscopus subaffinis816— souliei947— armandii817Minla cyanouroptera960— cantator821Alcippe cinerea961— ricketti824— ruficapilla969Acrocephalus concinens826— rufogularis974Graminicola bengalensis833*Crocias langbianis996Cettia major834Heterophasia annectens902Bradypterus luteoventris					
809 Pteruthius xanthochlorus 815 Actinodura waldeni 816 — souliei 817 Minla cyanouroptera 821 Alcippe cinerea 824 — ruficapilla 826 — rufogularis 833* Crocias langbianis 834 Heterophasia annectens 835 — gracilis 941 Abroscopus schisticeps 945 Phylloscopus subaffinis 947 — armandii 948 — cantator 960 — cintetti 961 — ricketti 969 Acrocephalus concinens 974 Graminicola bengalensis					castaniceps
815 Actinodura waldeni 816 — souliei 817 Minla cyanouroptera 821 Alcippe cinerea 824 — ruficapilla 826 — rufogularis 833* Crocias langbianis 834 Heterophasia annectens 835 — gracilis 945 Phylloscopus subaffinis 947 — armandii 948 — armandii 949 — cantator 960 — cantator 961 — ricketti 969 Acrocephalus concinens 974 Graminicola bengalensis 976 Cettia major 1002 Bradypterus luteoventris					
816 — souliei 947 — armandii 817 Minla cyanouroptera 960 — cantator 821 Alcippe cinerea 961 — ricketti 824 — ruficapilla 969 Acrocephalus concinens 826 — rufogularis 974 Graminicola bengalensis 833* Crocias langbianis 996 Cettia major 834 Heterophasia annectens 1002 Bradypterus luteoventris					
817 Minla cyanouroptera960 — cantator821 Alcippe cinerea961 — ricketti824 — ruficapilla969 Acrocephalus concinens826 — rufogularis974 Graminicola bengalensis833* Crocias langbianis996 Cettia major834 Heterophasia annectens1002 Bradypterus luteoventris					
821 Alcippe cinerea 961 — ricketti 824 — ruficapilla 969 Acrocephalus concinens 826 — rufogularis 974 Graminicola bengalensis 833* Crocias langbianis 996 Cettia major 834 Heterophasia annectens 1002 Bradypterus luteoventris					
824 — ruficapilla 969 Acrocephalus concinens 826 — rufogularis 974 Graminicola bengalensis 833* Crocias langbianis 996 Cettia major 834 Heterophasia annectens 1002 Bradypterus luteoventris		Minla cyanouroptera			cantator
826 — rufogularis 833* Crocias langbianis 834 Heterophasia annectens 835 — gracilis 974 Graminicola bengalensis 996 Cettia major 1002 Bradypterus luteoventris				961	ricketti
826 — rufogularis 833* Crocias langbianis 834 Heterophasia annectens 835 — gracilis 974 Graminicola bengalensis 996 Cettia major 1002 Bradypterus luteoventris				969	Acrocephalus concinens
833* Crocias langbianis 834 Heterophasia annectens 835 — gracilis 996 Cettia major 1002 Bradypterus luteoventris				974	
834 Heterophasia annectens 835 — gracilis 1002 Bradypterus luteoventris					
gracus					
837 — pulchella 1003 — seebohmi					
	837	———— pulchella		1003	seebohmi

UNRECORDED SOUTHEAST ASIAN BIRDS

	MUSCICAPIDAE (16, 53)	
1005	Rhinomyias brunneata	
1008	Muscicapa griseisticta	
1010	williamsoni	
1011	muttui	
1014	Ficedula zanthopygia	
1019	monileger	
1022	dumetoria	
1023	hodgsonii	
1027	sapphira	
1031	Niltava davidi	
1033	sumatrana	
1034	vivida	
1035	Cyornis concreta	
1036	ruecki	
1037	——— hainana	
1042	turcosa	
	MOTACILLIDAE (1, 14)	
1065	Dendronanthus indicus	
	LANIIDAE (3, 7)	
1077	Lanius tigrinus	
1078	collurioides	
1081	sphenocercus	
	STURNIDAE (8, 18)	
1083	Saroglossa spiloptera	
1085	Sturnus sericeus	
1086	sinensis	
1087	sturninus	
1090	contra	
1091	nigricollis	
1095	Acridotheres javanicus	
1098	Ampeliceps coronatus	
	NECTARINIIDAE (7, 24)	
1100	Anthreptes simplex	
1102	rhodolaema	
1107	Nectarinia calcostetha	
1110	Aethopyga gouldiae	
1112	christinae	THE TRUMP'S IN
1118	Arachnothera crassirostris	
1121	chrysogenys	
	DICAEIDAE (6, 12)	
1124	Prionochilus thoracicus	
1125	maculatus	Januarii I
1126	percussus	B. McCecrat
1128	Dicaeum everetti	e table A
1130	melanoxanthum	Rociff
1132	erythrorhynchos	Sauth, Tucke
	ZOSTEROPIDAE (1, 4)	WATERTON Y
1136	Zosterops erythropleura	

	PLOCEIDAE (6, 17)
1146	Ploceus hypoxanthus
1148	Erythrura prasina
1149	hyperythra
1152	Lonchura leucogastra
1153	leucogastroides
1156	maja
	FRINGILLIDAE (9, 34)
1157	Serinus thibetanus
1159	Carduelis spinoides
1160	ambigua
1165	Carpodacus eos
1166	vinaceus
1168	rhodopeplus
1169	Pinicola subhimachala
1174	Coccothraustes migratorius
1178	Pyrrhoplectes epauletta

ANALYSIS

309 species of the birds of South-East Asia have yet to have their voices recorded. This is some 26% of the avifauna. If South-East Asia is taken to be representative of the world as a whole, then about 2300 of the world's 9000 bird species are as yet unrecorded.

32 of the 309 are endemic (they only occur in South-East Asia), and must obviously be sought in the area concerning us. Many of the birds are rare, especially the 17 that are considered threatened (see King 1981). At least one of these is generally supposed to be extinct already, the Pink-headed Duck (*Rhodonessa caryophyllacea*, no. 79). Others are extremely local: both *Garrulax yersini* (800) and *Crocias langbianis* (833), for example, are only found on the Langbian Plateau, South Annam. It is important that, where possible, these birds should be recorded before they become too rare to find or are even lost to extinction.

Taking the 23 areas of South-East Asia set out by KDW, about six of them, on average, make up the breeding range of each bird. To

give an indication of which areas are most in need of recording work, the table below shows the number of unrecorded species that occur or have occurred in each area. The number of those which breed is given in brackets:

orackets.	
West Burma	134 (114)
Northeast Burma	132 (109)
Northwest Thailand	128 (90)
North Laos	122 (97)
East Burma	119 (98)
Tenasserim	115 (93)
Tonkin	115 (90)
Malaya	104 (71)
South Burma	104 (77)
Peninsular Thailand	90 (70)
South Annam	89 (79)
Central Burma	85 (69)
South Laos	83 (70)
Cochinchina	83 (69)
Cambodia	79 (62)
Central Laos	78 (65)
Central Annam	70 (56)
	sione a as i

Southeast Thailand	67	(49)
North Annam	64	(50)
Central Thailand	60	(43)
Southwest Thailand	58	(44)
Northeast Thailand	57	(42)
Hong Kong	42	(10)

A similar analysis of the habitats of the birds reveals that about 60% of them breed in forests of various kinds. This confirms the view expressed by T.C. White and others that it is in forests that the greatest effort and ingenuity needs to be called upon by future recordists.

Finally, it is apparent that some families of birds pose more problems to recordists than others, for various reasons. Among the most under-recorded families are Panuridae, Sittidae, Falconidae, Dicaeidae, Pittidae and Muscicapidae and there are also under-recorded genera such as *Garrulax* and *Treron*. Perhaps it would be of particular interest to search for these.

REFERENCES

KING, B. F., DICKINSON, E. C. AND WOODCOCK, M. W. (1975): A Field Guide to the Birds of South-East Asia. Collins.

KING, W. B. (1981): Endangered Birds of the World. The I.C.B.P. Bird Red Data Book. Smithsonian Institution Press in cooperation with the International Council for Bird Preservation.

APPENDIX I: SOURCES

Libraries

The British Library of Wildlife Sounds, National Sound Archive, 29 Exhibition Road, London SW7 2AS, England. (Up to September 1981).

The Library of Natural Sounds, Cornell University Laboratory of Ornithology, 159 Sapsucker Woods Road, Ithaca, NY 14850, USA. (Up to September 1981).

The Library of Malaysian Bird Song, University of Malaya, Zoology Department, Lembah Pantai, Kuala Lumpur, Malaysia. (Up to October 1981). Discs and Discographies

Boswall, J. (1973): A Discography of Bird Sound from the Oriental Zoogeographical Region. *Bull. Br. Orn. Cl.* 93: 170-173.

Boswall, J. and Dickson, W. (1980): Additions to A Discography of Bird Sound from the Oriental Zoogeographical Region. *Bull. Br. Orn. Cl.* 101: 313-318.

ROCHE, J. (1981): Oiseaux d'Asie: Malaisie et Thailande. Edwards Records.

STUBING, R. (1981): Voices of the Forest. Malayan Nature Society.

———— (1982): Dawn Chorus. Malayan Nature Society.

Private Collections

We have used lists of species recorded by:

- H. BARTELS and H. GROENEVELD
- B. and L. Coffey
- M. COMAR
- F. M. GAUNTLETT
- D. A. HOLMES
- R. KENNEDY
- B. F. KING
- G. MADGE
- J. T. MARSHALL
- H. E. McClure
- T. ROBERTS
- J. ROCHE
- L. SHORT
- R. K. TEMPLETON
- F. VENCL
- J. W. WALL et al.
- D. WALLSCHLAGER
- R. WATLING
- T. C. WHITE



Couzens, D, Quinnell, R. J., and Bass, J. 1984. "A PROVISIONAL LIST OF UNRECORDED SOUTHEAST ASIAN BIRDS." *The journal of the Bombay Natural History Society* 81, 291–296.

View This Item Online: https://www.biodiversitylibrary.org/item/192261

Permalink: https://www.biodiversitylibrary.org/partpdf/157374

Holding Institution

Smithsonian Libraries and Archives

Sponsored by

Biodiversity Heritage Library

Copyright & Reuse

Copyright Status: In Copyright. Digitized with the permission of the rights holder

License: http://creativecommons.org/licenses/by-nc/3.0/ Rights: https://www.biodiversitylibrary.org/permissions/

This document was created from content at the **Biodiversity Heritage Library**, the world's largest open access digital library for biodiversity literature and archives. Visit BHL at https://www.biodiversitylibrary.org.