

FIFTEENTH RINGING REPORT

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Ringing Organizers

INTRODUCTION

This report covers the two seasons from 1 July 1968 to 30 June 1970. During this time, the ringing effort has consistently improved in both quality and quantity. Although the organisation has also improved, the Ringing Scheme has been adversely affected by uncertainty about its future. However during the compilation of this report the National Unit for Bird-Ringing Administration was formed. On 1 December 1971, the South African Ornithological Society Ringing Scheme was handed over to the National Unit, this move being ratified subsequently by the S.A.O.S. Annual General Meeting in 1972. As a result, this report is the last that will be financed by the S.A.O.S. and for publication purposes ends its 23-year-old tenure of the Scheme.

The S.A.O.S. Ringing Scheme began functioning in 1948. During the first season 133 birds were ringed. The Scheme has enjoyed fluctuating fortunes since, as shown in Figure 1. The initial

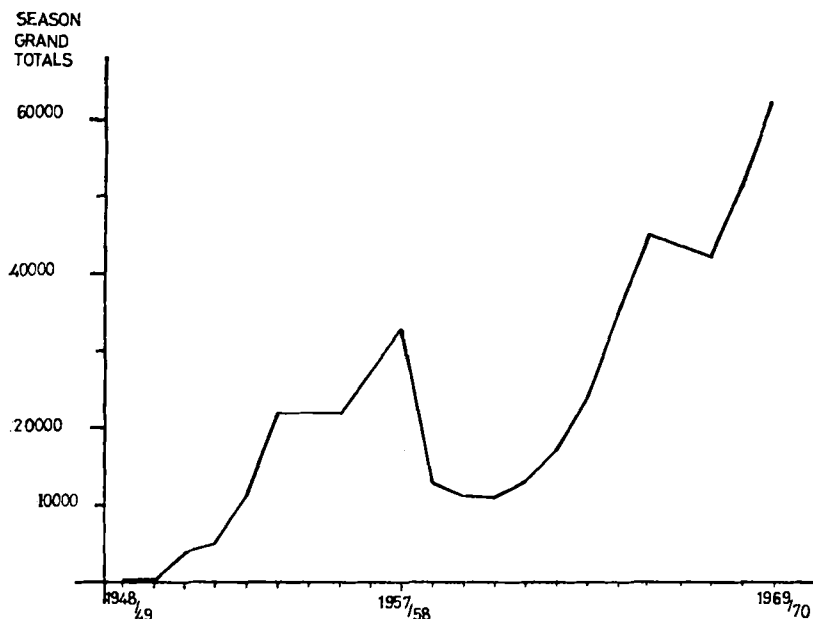


FIG. 1

The season grand totals of birds ringed during the 23-year tenure of the S.A.O.S. Ringing Scheme.

rapid build-up was due to the involvement of a government department in the ringing of *Quelea quelea*. Over 20 000 were ringed in 1957/58 and the cessation of this activity resulted in a slump in the numbers ringed. However since 1961/62 this figure has again sharply increased.

The S.A.O.S. scheme has been used throughout, by professional bodies such as the Barberspan ringing station of the Transvaal Provincial Administration but has nevertheless been heavily dependent on the amateur ringers of the Society. Even today, over 65% of the birds are ringed by amateurs as shown in Table I. The Society can take credit for its great efforts in the past and for the secure foundation it has achieved for bird-ringing in southern Africa.

Table 1
RINGING EFFORT BY AMATEUR AND PROFESSIONAL ORGANISATIONS 1968/69, 1969/70

Organization	Organizer	Seasonal Total Ringed	
		1968/69	1969/70
Witwatersrand Bird Club	A. D. S. Hewitt	16 312	24 732
Transvaal Provincial Administration	P. le S. Milstein	14 519	13 324
Natal Bird Club	W. Lawson/R. Parker	4 651	3 453
Cape Bird Club	G. J. Broekhuysen	3 061	6 969
Rhodesian Ornithological Society	R. M. Harwin	3 019	3 474
Rondevei Bird Sanctuary	E. H. J. Middlemiss	1 924	1 548
S.W.A. Conservation Dept.	J. Dixon/H. Berry/R. Jensen	1 768	539
S.W.A. Scientific Society	H. Kolberg	1 391	1 977
N. Cape Nature Conservation Soc.	R. Meyer	1 145	355
FitzPatrick Institute	C. C. H. Elliott	963	2 096
Cape Provincial Administration	M. Currie	—	278

SCHEDULE OF BIRDS RINGED

This section incorporates a further innovation: the tabling of "Number of birds recovered" next to numbers ringed. The recovery rate for a particular species can thereby be estimated at a glance. This does not, of course, necessarily indicate the amount of information that can be expected for a given species. Some, such as highly resident birds or *ortstreue* migrants, may provide more retrap than recovery data. The figures do however indicate which species are not worth ringing if recovery data is the main information expected.

The prediction in the last Ringing Report (Elliott & Jarvis 1970) that the ringing total was reaching a ceiling has not been borne out and the number ringed has risen to 62 000 in 1969/70. With further organization, and the introduction of country-wide retrap and moult recording and a scientific project scheme, it is hoped that the number ringed will *not* increase much further. More data extraction from each species and each ringing situation will probably benefit ringing more than further increases in numbers ringed. Surprisingly little has been published in the way of analyses of the 23 years of S.A.O.S. ringing. More analyses of data collected by amateurs would also increase the scientific status of ringing in southern Africa.

During the period under review, special studies have been started on, amongst others, the Cape Rail *Rallus caerulescens*, Black Crake *Limnecorax flavirostris*, Common Tern *Sterna hirundo*, Cape Weaver *Ploceus capensis* and Bronze Mannikin *Lonchura cucullata*. Other projects being continued as strongly as ever, include those on the Greyheaded Gull *Larus cirrocephalus* (2 000 ringed), European Swallow *Hirundo rustica* (34 000 ringed) and Ruff *Philomachus pugnax* (306 ringed).

SCHEDULE OF BIRDS RECOVERED

This section has been set out as in the 14th Ringing Report except that for each species, the recoveries at each ringing locality have been sorted into ring number order. This should make it easier for the ringer to find a particular recovery. Various abbreviations and symbols have been used as under.

ABBREVIATIONS	AFRING RECOVERY CODE
Tvl. – Transvaal	+ – shot
S.W.A. – South West Africa	X – found dead
O.F.S. – Orange Free State	– caught and not released
Dist. – District	V – caught and released
Betw. – Between	(?) – manner of recovery unknown

Bold type is used for countries outside the normal ringing area. "Time elapsed" is given to the nearest month. Full details of approximately 850 recoveries are given in this section.

The longest distance between ringing and recovery points during the period under review was

13 500 km, covered by a Great Shearwater *Puffinus gravis* between Tristan da Cunha and Greenland. This recovery location is well-documented for the species which supposedly has a figure-of-eight migration route in the Atlantic. The oldest bird recorded was a Cattle Egret *Ardeola ibis* of 13 years 11 months (167 months), closely followed by a Wandering Albatross *Diomedea exulans* of 12 years, a Cape Vulture *Gyps coprotheres* of 11 years 4 months and an African Shelduck *Tadorna cana* of 10 years 5 months.

The various ends which birds have met have sometimes been unusual. A Coppery-tailed Coucal *Centropus cupreicaudus* killed a Common Sandpiper *Tringa hypoleucos*, and a House Sparrow *Passer domesticus* was killed by a Fiscal Shrike *Lanius collaris*. Another aerial "predator", an aircraft, killed a ringed Grey-headed Gull *Larus cirrocephalus* at Johannesburg airport, while all that was left of a Brown Snake Eagle *Circaetus cinereus* was its ring lying in the nest of a Martial Eagle *Polemaetus bellicosus*. With the upsurge of interest in wader-ringing, the past recoveries of waders in Europe have been plotted in Figure 2 which indicates that most of the birds are recovered on or near their breeding grounds. Figure 3 presents interesting data on the possible effect of suburbanisation on *Streptopelia* populations.

In the 14th Ringing Report (Elliott & Jarvis 1970) a number of errors were reported. The new National Unit will be checking all recoveries against original entries, and corrected data will be circulated in due course.

SUMMARY

This is the last report on bird-ringing to be presented by the South African Ornithological Society after 23-years of administering the Ringing Scheme. The totals of species ringed and recovered during the period 1 July 1968 to 30 June 1970 are given, and also details of about 850 recoveries or retraps made in the same period.

ACKNOWLEDGMENTS

During the period under review financial support was received from the S.A. Council for Scientific and Industrial Research. The National Zoological Gardens, Pretoria continued to receive and forward recovery reports to the Society and are thanked for this assistance. The funds for this publication were met by a special grant from the S.A.O.S. The Percy FitzPatrick Institute of African Ornithology deserves considerable gratitude for housing the Scheme during this period, for making its staff available for organizing the work, consulting, and for many other services. The National Bird-Ringing Unit allowed its Research Officer to spend some time working on the final manuscript draft. Thanks are extended to Messrs A. D. S. Hewitt, H. C. Hunter, A. J. Tree and Mr. P. le S. Milstein, for help in checking the manuscript. Miss Sampson and Miss Hamilton were of assistance in the preparation of the typescript.

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SCHEDULE OF BIRDS RINGED

Roberts Number	Species	Total of Previous Years	1968/69	1969/70	Grand Total	1968/69	Recoveries 1969/70	Grand Total
2	Jackass Penguin <i>Spheniscus demersus</i>	1	2	74	77		2	2
3	Rockhopper Penguin <i>Eudyptes cristatus</i>	55			55			
4	Great-crested Grebe <i>Podiceps cristatus</i>	1	1	1	3			
5	Black-necked Grebe <i>P. nigricollis</i>			1	1			
6	Cape Dabchick <i>P. ruficollis</i>	30	11	3	44		1	1
7	Wandering Albatross <i>Diomedea exulans</i>	96	8		104			2
8	Black-browed Albatross <i>D. melanophris</i>	94			94			3
10	Yellow-nosed Albatross <i>D. chlororhynchos</i>	101			101			
11	Shy Albatross <i>D. cauta</i>	40			40		1	2
12	Sooty Albatross <i>Phoebastria fusca</i>	26			26			

13	Giant Petrel <i>Macronectes giganteus</i>	34			34
14	Cape Pigeon <i>Daption capensis</i>	2			2
15X	Antarctic Petrel <i>Thalassoica antarctica</i>	1			1
	Broad-billed Prion <i>Pachyptila vittata</i>	22			22
20X	Kerguelen Petrel <i>Pterodroma brevirostris</i>	17			17
	Trinidad Petrel <i>P. arminjoniana</i>		10		10
23	Cape Hen <i>Procellaria acuminatilis</i>	148			148
				1	3
24	Great Grey Shearwater <i>P. cinerea</i>	5			5
25	Great Shearwater <i>Puffinus gravis</i>	301			301
29	Sooty Shearwater <i>P. griseus</i>	2			2
	Wedge-tailed Shearwater <i>P. pacificus</i>		27		27
30	Storm Petrel <i>Hydrobates pelagicus</i>	88			88
31	Leach's Storm Petrel <i>Oceanodroma leucorhoa</i>	6			6

Roberts Number	Species	Total of Previous Years	1968/69	1969/70	Grand Total	1968/69	Recoveries 1969/70	Grand Total
32	Madeira Fork-tailed Petrel <i>O. castro</i>	5			5			
33	Wilson's Storm Petrel <i>Oceanites oceanicus</i>	52			52			
	Red-billed Tropic Bird <i>Phaethon aethereus</i>	1			1			
39	Red-tailed Tropic Bird <i>P. rubricauda</i>			4	4			
40	White-tailed Tropic Bird <i>P. lepturus</i>			5	5			
42	White Pelican <i>Pelecanus onocrotalus</i>	18			18			
44	Cape Gannet <i>Sula bassana</i>	22 038			22 038		6	273
47	White-breasted Cormorant <i>Phalacrocorax lucidus</i>	751	194	494	1 439	11	12	47
48	Cape Cormorant <i>P. capensis</i>	608	188	735	1 531	1	5	21
49	Bank Cormorant <i>P. neglectus</i>	251		14	265		1	3
50	Reed Cormorant <i>P. africanus</i>	1 066	1	98	1 165			21

52	Darter <i>Anhinga rufa</i>	132	7		139			7
54	Grey Heron <i>Ardea cinerea</i>	124	7	14	145			8
55	Black-headed Heron <i>A. melanocephala</i>	1 232	5	123	1 360		1	36
56	Goliath Heron <i>A. goliath</i>	24	3	11	38		1	2
57	Purple Heron <i>A. purpurea</i>		48		48			
58	Great White Heron <i>Egretta alba</i>	2			2			
59	Little Egret <i>E. garzetta</i>	735		20	755			11
60	Yellow-billed Egret <i>Egretta intermedia</i>	854	7	128	989			18
61	Cattle Egret <i>Ardeola ibis</i>	28 683	22	4 539	33 243		9	330
62	Squacco Heron <i>Ardeola ralloides</i>	15	2	17	34			
63	Green-backed Heron <i>Butorides striatus</i>	13	4	1	18			
64	Black Heron <i>Egretta ardesiaca</i>	1		2	3			
65	Rufous Heron <i>Ardeola rufiventris</i>	25			25			

Roberts Number	Species	Total of Previous Years	1968/69	1969/70	Grand Total	1968/69	Recoveries 1969/70	Grand Total
66	Dwarf Bittern <i>Ardeirallus strumii</i>	1			1			
67	Little Bittern <i>Ixobrychus minutus</i>	21	1		22			
69	Night Heron <i>Nycticorax nycticorax</i>	884		87	971			25
70	White-backed Nigh Heron <i>Gorsachius leuconotus</i>	6			6			
71	Bittern <i>Botaurus stellaris</i>	2			2			
72	Hamerkop <i>Scopus umbretta</i>	33		3	36		1	1
73	Marabou <i>Leptoptilus crumeniferus</i>	4			4			1
75	Saddlebill <i>Ephippiorhynchus senegalensis</i>	8			8			
76	Wood Stork <i>Ibis ibis</i>	1			1			
77	Woollynecked Stork <i>Dissoura episcopus</i>	1			1			
78	Abdim's Stork <i>Sphenorhynchus abdimii</i>	95	1		96			3

79	Black Stork <i>Ciconia nigra</i>	17	3		20			
80	White Stork <i>C. ciconia</i>	10	3		13			3
81	Sacred Ibis <i>Threskiornis aethiopicus</i>	8 401	15	1 295	9 711	3	3	141
83	Glossy Ibis <i>Plegadis falcinellus</i>	131		79	210			
84	Hadedah <i>Bostrychia hagedash</i>	20			20			
85	African Spoonbill <i>Platalea alba</i>	721	5	110	836		1	12
	Flamingo spp. <i>Phoenicopterus</i> spp.		1 500		1 500	1	1	2
86	Greater Flamingo <i>P. ruber</i>	83		2	85			2
87	Lesser Flamingo <i>P. minor</i>	33		2	35			
87	Mute Swan <i>Cygnus olor</i>			5	5		3	3
88	Spurwinged Goose <i>Plectropterus gambensis</i>	1 870	224	46	2 140	7	5	128
89	Egyptian Goose <i>Alopochen aegyptiaca</i>	5 093	96	201	5 389	26	33	279
90	African Shelduck <i>Tadorna cana</i>	6 550	243	341	7 134	25	8	248

Roberts Number	Species	Total of Previous Years	1968/69	1969/70	Grand Total	1968/69	Recoveries 1969/70	Grand Total
91	Knob-billed Duck <i>Sarkidiornis melanotos</i>	274	51	63	388	6	4	20
92	Pygmy Goose <i>Nettapus auritus</i>	46			46			
93	European Shoveler <i>Anas clypeata</i>			1	1			
94	Cape Shoveler <i>Anas smithii</i>	429	5	9	443			10
95	Black Duck <i>A. sparsa</i>	12			12			
96	Yellow-billed Duck <i>A. undulata</i>	19 164	6 106	3 995	29 265	34	47	317
97	Red-billed Teal <i>A. erythrorhyncha</i>	2 814	310	592	3 716	10	13	110
98	Cape Teal <i>A. capensis</i>	423	7	24	454			17
99	Hottentot Teal <i>A. punctata</i>	97	26	2	125			8
100	White-faced Duck <i>Dendrocygna viduata</i>	15	17	133	165			
102	Southern Pochard <i>Netta erythrophthalma</i>	1 423	1 075	517	3 015	4	8	26

103	Maccoa Duck <i>Oxyura maccoa</i>	7					7		
104	White-backed Duck <i>Thalassornis leucotis</i>	24					24		
105	Secretary Bird <i>Sagittarius serpentarius</i>	38	3				41		
106	Cape Vulture <i>Gyps coprotheres</i>	2 088	110	116	3	6	2 314		73
107	White-backed Vulture <i>G. africanus</i>	44	23	1			68		
108	Lappet-faced Vulture <i>Aegypius tracheliotus</i>	2	1	5			8		
109	White-headed Vulture <i>A. occipitalis</i>	8		1			9		
110	Hooded Vulture <i>Neophron monachus</i>	4					4		
112	Palm-nut Vulture <i>Gypohierax angolensis</i>	1					1		
113	Peregrine <i>Falco peregrinus</i>	1					1		
114	Lanner <i>F. biarmicus</i>	21	13	7		1	41		2
115	Hobby <i>F. subbuteo</i>	1	1				2		
117	Red-necked Falcon <i>F. chiquera</i>	3		4			7		

Roberts Number	Species	Total of Previous Years	1968/69	1969/70	Grand Total	1968/69	Recoveries 1969/70	Grand Total
119	Red-footed Kestrel <i>F. amurensis</i>	1			1			1
121	Dickinson's Kestrel <i>F. dickinsonii</i>	1	2		3			
122	Greater Kestrel <i>F. rupicoloides</i>	116	13	38	167	1	2	3
123	Rock Kestrel <i>F. tinnunculus</i>	36	11	8	55	1		1
125	Lesser Kestrel <i>F. naumanni</i>	14	6	3	23			1
126	Pygmy Falcon <i>Polyhierax semitorquatus</i>		2		2			
128	Black Kite <i>Milvus migrans</i>	4	2		6			
129	Yellow-billed Kite <i>M. migrans parasiticus</i>	63	2	1	66			1
130	Black-shouldered Kite <i>Elanus caeruleus</i>	134	27	61	222		1	7
131	Bat Hawk <i>Macheirhamphus alcinus</i>	2			2			
133	Black Eagle <i>Aquila verreauxi</i>	43	29	15	87			1

134	Tawny Eagle <i>A. rapax</i>	36	7	6	49	1
136	Lesser Spotted Eagle <i>A. pomarina</i>	1			1	
137	Wahlberg's Eagle <i>A. wahlbergi</i>	38	9	4	51	1
138	Long-crested Hawk Eagle <i>Lophaetus occipitalis</i>	1			1	
139	Booted Eagle <i>A. pennata</i>	4			4	
140	Ayre's Hawk Eagle <i>A. dubia</i>	2			2	
141	African Hawk Eagle <i>A. fasciata</i>	22	11	6	39	
142	Martial Eagle <i>Polemaetus bellicosus</i>	32	4	5	41	1
143	Crowned Eagle <i>P. coronatus</i>	6	2		8	1
144	Lizzard Buzzard <i>Kaupifalco monogrammicus</i>	26	1	5	32	2
145	Brown Snake Eagle <i>Circaetus cinereus</i>	4	2		6	1
146	Black-breasted Snake Eagle <i>C. pectoralis</i>	16	1	1	18	
149	Fish Eagle <i>Haliaeetus vocifer</i>	10	2		12	3

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151	Bateleur <i>Terathopius ecuadatus</i>	28	5	4	37		1	1
152	Jackal Buzzard <i>Buteo rufofuscus</i>	17	3	8	28		1	2
154	Steppe Buzzard <i>Buteo buteo</i>	255	103	14	372	8	3	15
155	Mountain Buzzard <i>B. b. trizonatus</i>		8		8	1		1
156	Red-breasted Sparrowhawk <i>Accipiter rufiventris</i>	4			4			
157	Ovambo Sparrowhawk <i>A. ovampensis</i>	1			1			
158	Little Sparrowhawk <i>A. minullus</i>	8			8			3
159	Black Goshawk <i>A. melanoleucus</i>	26	3		29			6
160	African Goshawk <i>A. tachiro</i>	11	1	1	13			
161	Little Banded Goshawk <i>A. badius</i>	18	3	3	24			
162	Gabar Goshawk <i>Melierax gaber</i>	20	7	3	30			

163	Dark Chanting Goshawk <i>M. metabates</i>	18	7	1	26		
165	Chanting Goshawk <i>M. musciv</i>	19	11		30	1	1
167	African Marsh Harrier <i>Circus ranivorus</i>	52	2	2	56		2
170	Montagu's Harrier <i>C. pygargus</i>		2		2		
171	Banded Harrier Hawk <i>Polyboroides radiatus</i>	1			1		
173	Coqui Francolin <i>Francolinus coqui</i>	26		1	27		
177	Shelley's Francolin <i>F. shelleyi</i>	3			3		
178	Redwing Francolin <i>F. levallantii</i>	3			3		
179	Orange River Francolin <i>F. levallantoides</i>	1			1		
181	Cape Francolin <i>F. capensis</i>	95	6	13	114	5	7
183	Natal Francolin <i>F. natalensis</i>	4			4		
185	Swainson's Francolin <i>F. swainsonii</i>	39	9	7	55		
188	Red-necked Francolin <i>F. afer</i>	4	2		6		

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	Hildebrandt's Francolin <i>F. hildebrandti</i>	1			1			
189	African Quail <i>Coturnix coturnix</i>	13		34	47			1
190	Harlequin Quail <i>C. delegorguei</i>	118	1		119			
192	Crowned Guineafowl <i>Numida meleagris</i>	2 011	170	215	2 396	5	5	24
196	Kurrichane Button Quail <i>Turnix sylvatica</i>	12		5	17			
197	Cape Rail <i>Rallus caerulescens</i>	5		20	25			
198	Corn Crake <i>Crex crex</i>	6			6			
199	African Crake <i>C. egregia</i>	1	1		2			
202	Baillons Crake <i>Porzana pusilla</i>		1		1			
203	Black Crake <i>Limnecorax flavirostris</i>	26		18	44			1
205	Red-chested Flufftail <i>Sarothra rufa</i>			1	1			

208	Purple Gallinule <i>Porphyrio porphyrio</i>	209	12	17	238		5
209	Lesser Gallinule <i>P. alleni</i>	6	2		8		
210	Common Moorhen <i>Gallinula chloropus</i>	364	32	38	434	2	9
211	Lesser Moorhen <i>G. angulata</i>	20			20		
212	Red-knobbed Coot <i>Fulica cristata</i>	10 551	2 677	2 318	15 546	12	19
214	Crowned Crane <i>Balearica pavonina</i>	1			1		
216	Blue Crane <i>Anthropoides paradisea</i>	5			5		1
217	Kori Bustard <i>Otis kori</i>	1			1		
220	Karoo Korhaan <i>Eupodotis vigorsii</i>			1	1		
223	Blue Korhaan <i>E. cafra</i>	6			6		
225	Black Korhaan <i>E. afra</i>	13	2	5	20		
228	African Jacana <i>Actophilornis africanus</i>	179	7	29	215		
229	Lesser Jacana <i>Microparra capensis</i>	33			33		

Roberts Number	Species	Total of Previous Years	1968/69	1969/70	Grand Total	1968/69	Recoveries 1969/70	Grand Total
230	Painted Snipe <i>Rostratula benghalensis</i>	134	30	4	168			
231	Black Oystercatcher <i>Haematopus moquini</i>	5		1	6			1
232	Turnstone <i>Arenaria interpres</i>	12			12			
233	Ringed Plover <i>Charadrius hiaticula</i>	205	3	6	214			4
235	White-fronted Sandplover <i>C. marginatus</i>	421	36	43	500	1	1	8
236	Chestnut-banded Sandplover <i>C. pallidus</i>	39	3	14	56			
237	Kittlitz's Sandplover <i>C. pecuarius</i>	1 968	50	240	2 258		1	28
238	Three-banded Sandplover <i>C. tricoloris</i>	991	125	282	1 398	1	6	11
	Little Ringed Plover <i>C. dubius</i>	7			7			
	Forbes' Plover <i>C. forbesi</i>	7			7			
240	Caspian Plover <i>C. asiaticus</i>	11			11			

241	Grey Plover <i>Pluvialis squatarola</i>	1				1			
242	Crowned Plover <i>Vanellus coronatus</i>	100	54	18	172	2			2
243	Black-winged Plover <i>V. melanopterus</i>	18	2		20				
244	Lesser Black-winged Plover <i>V. lugubris</i>	3			3				
245	Blacksmith Plover <i>V. armatus</i>	424	159	130	702	1	1		7
246	White-crowned Plover <i>V. albiceps</i>	8		3	11				
247	Wattled Plover <i>V. senegallus</i>	17	1		18				
248	White-winged Plover <i>V. crassirostris</i>	3		9	12				
249	Great Snipe <i>Gallinago media</i>	5			5				
250	Ethiopian Snipe <i>G. nigripennis</i>	118		25	143				1
	Common Snipe <i>G. gallinago</i>	4			4				
251	Curlew Sandpiper <i>Calidris ferruginea</i>	1 794	43	352	2 189	2			14
251y	Southern Dunlin <i>C. alpina</i>	1			1				

Roberts Number	Species	Total of Previous Years	1968/69	1969/70	Grand Total	1968/69	Recoveries 1969/70	Grand Total
253	Little Stint <i>C. minuta</i>	6 021	142	837	7 000	1	4	22
254	Knot <i>C. canutus</i>			1	1			
255	Sanderling <i>C. alba</i>	2		83	85			
256	Ruff <i>Philomachus pugnax</i>	333	186	127	646			2
257	Terek Sandpiper <i>Tringa terek</i>	10		5	15			1
258	Common Sandpiper <i>T. hypoleucos</i>	539	40	36	615			7
259	Green Sandpiper <i>T. ochropus</i>	5			5			
262	Marsh Sandpiper <i>T. stagnatilis</i>	64	2	1	67			
263	Greenshank <i>T. nebularia</i>	26	7	7	40			
264	Wood Sandpiper <i>T. glareola</i>	612	104	46	762		1	2
266	Bar-tailed Godwit <i>Limosa lapponica</i>			1	1			

267	Curlew <i>Numenius arquata</i>	2	1	3
268	Whimbrel <i>N. phaeopus</i>	6		6
269	Avocet <i>Recurvirostra avosetta</i>	21	3	24
270	Black-winged Stilt <i>Himantopus himantopus</i>	87	1	88
274	Water Dikkop <i>Burhinus vermiculatus</i>	95	1	96
275	Cape Dikkop <i>B. capensis</i>	91	42	155
276	Burchell's Courser <i>Cursorius rufus</i>	2		2
277	Temminck's Courser <i>C. temminckii</i>	12	7	19
278	Double-banded Courser <i>Rhinoptilus africanus</i>	19	45	74
279	Three-banded Courser <i>R. cinctus</i>	9	6	15
280	Bronze-winged Courser <i>R. chalcopterus</i>	34	2	36
281	Pratincole <i>Glareola pratincola</i>	37	25	68
283	White-collared Pratincole <i>G. nuchalis</i>	1		1

Roberts Number	Species	Total of Previous Years	1968/69	1969/70	Grand Total	1968/69	Recoveries 1969/70	Grand Total
286	Antarctic Skua <i>Catharacta antarctica</i>	86	41		127		1	1
287	Black-backed Gull <i>Larus dominicanus</i>	1 060	223	2	1 285	3	2	20
288	Grey-headed Gull <i>L. cirrocephalus</i>	2 431	606	1 251	4 288	2	10	52
289	Hartlaub's Gull <i>L. novaehollandiae</i>	963	288	581	1 545	13	11	68
290	Caspian Tern <i>Hydroprogne caspia</i>	8	3	3	14			
291	Common Tern <i>Sterna hirundo</i>	41	50	88	179		1	1
294	Arctic Tern <i>S. paradisaea</i>	7			7			
295	Sooty Tern <i>S. fuscata</i>	2			2			
296	Sandwich Tern <i>S. sandvicensis</i>	11			11			1
298	Swift Tern <i>S. bergii</i>	143		167	310	2	1	5
304	White-winged Black Tern <i>C. leucoptera</i>	19	4	1	24			

305	Whiskered Tern <i>C. hybrida</i>	76	2			78		
305x	Black Tern <i>C. nigra</i>	1				1		
	White Tern <i>Gygis alba</i>	7				7		
306	African Skimmer <i>Rynchops flavirostris</i>	19				19		
307	Namaqua Sandgrouse <i>Pterocles namaqua</i>	11	5	66		82		1
308	Spotted Sandgrouse <i>P. burchelli</i>	1				1		
310	Double-banded Sandgrouse <i>P. binctus</i>	188	2	8		198		
311	Rock Pigeon <i>Columba guinea</i>	244	6	21		271		3
313	Delegorgue's Pigeon <i>C. delegorguei</i>			1		1		
314	Red-eyed Dove <i>Streptopelia semitorquata</i>	341	63	23		427	9	3
316	Cape Turtle Dove <i>S. capicola</i>	3 190	186	125		3 501	7	5
317	Laughing Dove <i>S. senegalensis</i>	8 588	1 256	1 371		11 215	26	27
318	Namaqua Dove <i>Oena capensis</i>	172	90	213		475		

Roberts Number	Species	Total of Previous Years	1968/69	1969/70	Grand Total	1968/69	Recoveries 1969/70	Grand Total
319	Tambourine Dove <i>Turtur tympanistria</i>	91	26	31	148	1		2
320	Blue-spotted Dove <i>T. afer</i>	2			2			
321	Emerald-spotted Dove <i>T. chalcospilos</i>	49	5	16	70			
322	Cinnamon Dove <i>Aplopelta larvata</i>	2	2	2	6			1
323	Green Pigeon <i>Treron australis</i>		1	1	2			
327	Meyer's Parrot <i>Poicephalus meyeri</i>		1		1			
330	Rosy-faced Lovebird <i>Agapornis roseicollis</i>	5		1	6			
332	Lillian's Lovebird <i>A. lilianae</i>	1			1			
336	Knysna Lourie <i>Tauraco corythaix</i>	1	1		2			
337	Purple-crested Lourie <i>T. porphyreopolus</i>		1		1			
339	Grey Lourie <i>Corythaixoides concolor</i>	6	2	3	11			

343	Red-chested Cuckoo <i>Cuculus solitarius</i>	26			1	27	
344	Black Cuckoo <i>C. clamosus</i>	1			1	2	
346	Great Spotted Cuckoo <i>Clamator glandarius</i>	2				2	
347	Stripe-breasted Cuckoo <i>C. levaillantii</i>		2		1	3	
348	Jacobin Cuckoo <i>C. jacobinus</i>	8			2	10	2
350	Emerald Cuckoo <i>Chrysococcyx cupreus</i>	2				2	
351	Klaas's Cuckoo <i>C. klaas</i>	5	17		5	13	
352	Didric Cuckoo <i>C. caprius</i>	230	15		21	266	1
355	Senegal Coucal <i>Centropus senegalensis</i>	2				2	
356	Burchell's Coucal <i>C. superciliosus</i>	76	1		2	79	2
359	Barn Owl <i>Tyto alba</i>	220	4		4	227	5
360	Grass Owl <i>T. capensis</i>	94	1			95	2
361	Marsh Owl <i>Asio capensis</i>	38	3		2	43	1

Roberts Number	Species	Total of Previous Years	1968/69	1969/70	Grand Total	1968/69	Recoveries 1969/70	Grand Total
362	Wood Owl <i>Ciccaba woodfordii</i>	3			3			
363	African Scops Owl <i>Otus scops</i>	3	1	3	7			
364	White-faced Owlet <i>O. leucotis</i>	25		1	26			
365	Pearl-spotted Owlet <i>Glaucidium perlatum</i>	5	7	4	16			
366	Barred Owlet <i>G. capense</i>	2			2			
368	Spotted Eagle-Owl <i>Bubo africanus</i>	134	6	5	145	2		15
368	Giant Eagle Owl <i>B. lacteus</i>	10	1	1	12			
370	African Fishing Owl <i>Scotopelia peli</i>	1			1			
371	European Nightjar <i>Caprimulgus europaeus</i>	17	2	1	20			
372	Rufous-cheeked Nightjar <i>C. rufigena</i>	41		4	45			
373	South African Nightjar <i>C. pectoralis</i>	107	2	2	111			1

374	Freckled Nightjar <i>C. tristigma</i>	7					7	
375	Natal Nightjar <i>C. natalensis</i>	2					2	
376	Mozambique Nightjar <i>C. fossii</i>	268	2	3			273	2
377	Pennant-winged Nightjar <i>Macrodipteryx vexillarius</i>	280		1			281	1
378	European Swift <i>Apus apus</i>	1					1	
380	Black Swift <i>A. barbatus</i>	337	16	3			340	
383	White-rumped Swift <i>A. caffer</i>	966	50	21			1 037	11
384	Horus Swift <i>A. horus</i>	888	51	53			992	1
385	Little Swift <i>A. affinis</i>	1 260	27	10			1,297	1
386	Alpine Swift <i>A. melba</i>	1					1	
387	Palm Swift <i>Cypsiurus parvus</i>	20					20	1
388	Mottled Spinetail <i>Chaetura ussheri</i>	4					4	
389	Boehm's Spinetail <i>C. boehmi</i>	1					1	

Roberts Number	Species	Total of Previous Years	1968/69	1969/70	Grand Total	1968/69	Recoveries 1969/70	Grand Total
390	Speckled Mousebird <i>Colius striatus</i>	260	47	38	345	1	2	5
391	White-backed Mousebird <i>C. colius</i>	119	9	41	169			4
392	Red-faced Mousebird <i>C. indicus</i>	447	50	150	647	6	3	15
394	Pied Kingfisher <i>Ceryle rudis</i>	49		24	73		1	1
395	Giant Kingfisher <i>C. maxima</i>	9	1		10			
396	Half-collared Kingfisher <i>Alcedo semitorquata</i>	30	2		32			
	Shining Blue Kingfisher <i>A. quadibrachys</i>	7			7			
397	Malachite Kingfisher <i>A. cristata</i>	198	30	30	258			2
398	Pygmy Kingfisher <i>Ispidina picta</i>	95	9	39	143			
399	Angola Kingfisher <i>Halcyon senegalensis</i>	9	1	12	22			
401	Grey-hooded Kingfisher <i>H. leucocephalus</i>	12	4	9	25			

402	Brown-hooded Kingfisher <i>H. albigentris</i>	162	8	20	190		8
403	Striped Kingfisher <i>H. chelicuti</i>	5		7	12		3
404	European Bee-eater <i>Merops apiaster</i>	157	18	10	185		
406	Blue-cheeked Bee-eater <i>M. superciliosus persicus</i>	54		7	61		
407	Carmine Bee-eater <i>M. nubicoides</i>	1 248	22	31	1 301		
408	Boehm's Bee-eater <i>M. boehmi</i>	6			6		
409	White-fronted Bee-eater <i>M. bullockoides</i>	410	7	8	425		6
410	Little Bee-eater <i>M. pusillus</i>	68	18	14	100		
411	Swallow-tailed Bee-eater <i>M. hirundineus</i>	7		1	8		
412	European Roller <i>Coracias garrulus</i>	2			2		
413	Lilac-breasted Roller <i>C. caudata</i>	6	4	2	12		1
415	Mozambique Roller <i>C. naevia</i>	2	2		4		1
416	Broad-billed Roller <i>Eurystomus glaucurus</i>	12		1	13		

Roberts Number	Species	Total of Previous Years	1968/69	1969/70	Grand Total	1968/69	Recoveries 1969/70	Grand Total
418	African Hoopoe <i>Upupa epops</i>	144	4	14	162			2
419	Red-billed Hoopoe <i>Phoeniculus purpureus</i>	14	7	2	23			
421	Scimitar-billed Hoopoe <i>Rhinopomastus cyanomelas</i>	7		3	10			
424	Grey Hornbill <i>Tockus nasutus</i>	9	8	1	18			
425	Red-billed Hornbill <i>T. erythrorhynchus</i>	2	43	1	46			
426	Yellow-billed Hornbill <i>T. flavirostris</i>	25	66	2	93	2		3
427	Crowned Hornbill <i>T. alboterminatus</i>	1			1			
430	Ground Hornbill <i>Bucorvus leadbeateri</i>	1			1			
431	Black-collared Barbet <i>Lybius torquata</i>	130	21	33	184		1	4
432	Pied Barbet <i>L. leucomelas</i>	167	38	89	294			3
	White-headed Barbet <i>L. leucocephalus</i>		1		1			

433	White-eared Barbet <i>Stactolaema leucotis</i>			2			2		
434	Yellow-fronted Barbet <i>S. whytii</i>	17	5	3			25		
436	Red-fronted Tinker-Barbet <i>Pogoniulus pusillus</i>	7					7		
437	Yellow-fronted Tinker-Barbet <i>P. chrysoconus</i>	19	5	9			33		
438	Golden-rumped Tinker-Barbet <i>P. bilineatus</i>	63	49	30			142		
439	Crested Barbet <i>Trachyphonus vaillanti</i>	225	28	36		1	289	1	10
440	Greater Honeyguide <i>Indicator indicator</i>	49	7	9			65		
441	Scaly-throated Honeyguide <i>I. variegatus</i>	4		2			6		
442	Lesser Honeyguide <i>I. minor</i>	82	36	32		1	150		1
443	Sharp-billed Honeyguide <i>Prodotiscus regulus</i>	2	1				3		
445	Ground Woodpecker <i>Geocolaptes olivaceus</i>	11					11		
446	Bennett's Woodpecker <i>Campethera bennetti</i>	4					4		
447	Golden-tailed Woodpecker <i>C. abingoni</i>	2	2				4		1

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449	Little Spotted Woodpecker <i>C. cailliautii</i>	1			1			1
450	Cardinal Woodpecker <i>Dendropicos fuscescens</i>	9	3	2	14			
452	Olive Woodpecker <i>Mesopicos griseocephalus</i>	2			2			
453	Red-breasted Wryneck <i>Jynx ruficollis</i>	37	1		38			
454	African Broadbill <i>Smithornis capensis</i>	1			1			
455	Angola Pitta <i>Pitta angolensis</i>	3			3			
456	Singing Bush Lark <i>Mirafra cheniana</i>	3			3			
458	Rufous-naped Lark <i>M. africana</i>	16	2	3	21			
459	Fawn-coloured Lark <i>M. africanoides</i>		2		2			
460	Sabota Lark <i>M. sabota</i>	31	1	3	35			
463	Thick-billed Lark <i>Calendula magnirostris</i>	2			2			

468	Flappet Lark <i>Mirafra rufocinnamomea</i>	1	4	3	8			
474	Spike-heeled Lark <i>Certhilauda albofasciata</i>	16	1	2	19			
475	Long-billed Lark <i>C. curvirostris</i>	3			3			
484	Chestnut-backed Finch-Lark <i>Eremopterix leucotis</i>	43	1	1	45			
485	Grey-backed Finch-Lark <i>E. verticalis</i>	3	8	2	13			
488	Red-capped Lark <i>Calandrella cinerea</i>	92	33	27	152			
490	Pink-billed Lark <i>C. conirostris</i>	3			3			
492	Stark's Lark <i>C. starki</i>		5	1	6			
	Lark spp.		3	3				
493	European Swallow <i>Hirundo rustica</i>	75 460	17 293	17 392	110 145	98	57	480
494	Angola Swallow <i>H. angolensis</i>	10		9	19			
495	White-throated Swallow <i>H. albigularis</i>	1 180	35	102	1 317	1		7
496	Wire-tailed Swallow <i>H. smithii</i>	55	2		57			

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	Red-rumped Swallow <i>H. daurica</i>			2	2			
497	Blue Swallow <i>H. atrocaerulea</i>	7		1	8			
498	Pearl-breasted Swallow <i>H. dimidiata</i>	109	7	13	129			
499	Grey-rumped Swallow <i>H. griseopyga</i>	142			142			
500	Mosque Swallow <i>H. senegalensis</i>	4			4			
501	Red-breasted Swallow <i>H. semirufa</i>	970	9		979	1		5
502	Larger Striped Swallow <i>H. cucullata</i>	2 540	40	53	2 633	2	3	33
503	Lesser Striped Swallow <i>H. abyssinica</i>	1 567	313	175	2 055			9
504a	Cliff Swallow <i>H. spilodera</i>	13 657	764	75	14 496		1	24
504b	Angola Cliff Swallow <i>H. s. rufifigula</i>	32			32			
506	Rock Martin <i>H. rupestris</i>	671	72	76	819			2

507	House Martin <i>Delichon urbica</i>	75	14	3	92			
508	European Sand Martin <i>Riparia riparia</i>	528	20	3	551		1	
509	African Sand Martin <i>R. paludicola</i>	1 337	158	749	2 244		1	2
510	Banded Sand Martin <i>R. cincta</i>	661	133	16	810			2
511	Black Saw-winged Swallow <i>Psalidoprogne pristoptera</i>	25	10	16	51			
	White-headed Saw-winged Swallow <i>Psalidoprogne albiceps</i>	1			1			
512	East-African Saw-winged Swallow <i>P. p. orientalis</i>	3			3			
513	Black Cuckoo Shrike <i>Campephaga phoenicea</i>	3	3	2	8			
515	White-breasted Cuckoo Shrike <i>Coracina pectoralis</i>	1			1			
517	Fork-tailed Drongo <i>Dicrurus adsimilis</i>	88	14	9	111		1	2
518	Square-tailed Drongo <i>D. ludwigii</i>	1		3	4			
519	Golden Oriole <i>Oriolus oriolus</i>	10	2	5	17			
520	African Golden Oriole <i>O. auratus</i>	2			2			

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521	Black-headed Oriole <i>O. larvatus</i>	26	9	8	43	1		2
522	Pied Crow <i>Corvus albus</i>	57	5		62	1		2
523	Black Crow <i>C. capensis</i>	19		5	24			
524	White-necked Raven <i>C. albicollis</i>	9	4		13			
525	Grey Tit <i>Parus afer</i>	17	6	8	31			
527	Black Tit <i>P. niger</i>	22	2	6	30			
529	Rufous Tit <i>P. rufiventris</i>	1			1			
530	Grey Penduline Tit <i>Anthoscopus caroli</i>		1	1	2			
531	Penduline Tit <i>A. minutus</i>		3	2	5			
532	Spotted Creeper <i>Salpornis spilonota</i>	3			3			
533	Arrow-marked Babbler <i>Turdoides jardineii</i>	53	9	7	89	1		3

535	White-rumped Babbler <i>T. leucopygius</i>	3	1	1	4		
536	Pied Babbler <i>T. bicolor</i>	1		1	2		
538	Boulder Chat <i>Pinarornis plumosus</i>	2			2		
539	Damara Rockjumper <i>Achaetops pycnopygius</i>			1	1		
540	Rockjumper <i>Chaetops frenatus</i>	7			7		
542	Bush Blackcap <i>Lioptilus nigricapillus</i>	3	1		4		
543	Cape Bulbul <i>Pycnonotus capensis</i>	635	48	107	790	2	19
544	Red-eyed Bulbul <i>P. nigricans</i>	64	81	274	419		1
545	Black-eyed Bulbul <i>P. barbatus</i>	1 965	631	630	3 226	5	18
546	Terrestrial Bulbul <i>Phyllastrephus terrestris</i>	38	2	33	73		
	Grey-Olive Bulbul <i>P. cerviniventris</i>	5			5		
549	Stripe-cheeked Bulbul <i>Andropadus milanjensis</i>	3			3		
550	Yellow-breasted Bulbul <i>A. flaviventris</i>	63	12	23	98		

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551	Sombre Bulbul <i>A. importunus</i>	96	10	24	130			1
552	Kurrichane Thrush <i>Turdus libonyanus</i>	159	34	40	233		1	4
553	Olive Thrush <i>T. olivaceus</i>	919	91	164	1 174	1	3	26
556	Gurney's Thrush <i>T. gurneyi</i>	3			3			
557	Groundscraper Thrush <i>T. itsipsirupa</i>	38	6	11	55		1	1
558	Natal Thrush <i>T. fischeri</i>	5			5			
559	Cape Rock Thrush <i>Monticola rupestris</i>	1	1	2	4			
561	Short-toed Rock Thrush <i>M. brevipes</i>	2	2	6	10			
563	Wheatear <i>Oenanthe oenanthe</i>	1			1			
564	Mountain Chat <i>O. monticola</i>	26	7	3	36			1
568	Capped Wheatear <i>O. pileata</i>	22	5	1	28			

566	Karoo Chat <i>Cercomela schlegelii</i>				2			2	4		
570	Familiar Chat <i>C. familiaris</i>	68		1			11	80			2
572	Sickle-winged Chat <i>C. sinuata</i>	1						1			
573	Mocking Chat <i>Thammodactylus cinnamomeiventris</i>	13		2				15			
574	Arnot's Chat <i>T. arnoti</i>	1						1			
575	Ant-eating Chat <i>Myrmecocichla formicivora</i>	18					16	34			
	Sooty Chat <i>M. nigra</i>	4						4			
576	Stonechat <i>Saxicola torquata</i>	151		13			9	173			
578	Chorister Robin <i>Cossypha dichroa</i>	13		2			4	19			
579	Natal Robin <i>C. natalensis</i>	103		19			62	184			1
580	Heuglin's Robin <i>C. heuglini</i>	43		4			24	71			
581	Cape Robin <i>C. caffra</i>	1 043		74			123	1 240	2	1	16
582	White-throated Robin <i>C. humeralis</i>	23		5			15	43			

Roberts Number	Species	Total of Previous Years	1968/69	1969/70	Grand Total	1968/69	Recoveries 1969/70	Grand Total
583	Karoo Scrub Robin <i>Erythropygia coryphaeus</i>	12			12			
584	Brown Scrub Robin <i>E. signata</i>	5	1	3	9			
585	Bearded Scrub Robin <i>E. quadrivirgata</i>	5	1		6			
586	Kalahari Scrub Robin <i>E. paena</i>	25	10	19	54			
588	White-browed Scrub Robin <i>E. leucophrys</i>	85	18	32	135			1
589	Starred Robin <i>Pogonochila stellata</i>	24	5	2	31			
592	Thrush Nightingale <i>Luscinia luscinia</i>	2		6	8			
593	Morning Warbler <i>Cichladusa arquata</i>	6	1		7			
	Tristan Thrush <i>Nesocichla eremita</i>	4			4			
	Big-billed Bunting <i>Neospiza acunhae questi</i>	4			4			
594	Whitethroat <i>Sylvia communis</i>	38	2	4	44			

									2	2
595	<i>S. atricapilla</i>	Garden Warbler <i>S. borin</i>	197	80				67	344	
596		Icterine Warbler <i>Hippolais icterina</i>	20	7				7	34	
599		Willow Warbler <i>Phylloscopus trochilus</i>	175	118				109	402	
600		Yellow-bellied Bush Warbler <i>Eremonela icteropygialis</i>	5	2					7	
601		Brown-throated Bush Warbler <i>E. usficollis</i>	2	2					4	
602		Dusky-faced Warbler <i>E. scotops</i>	13						13	
603		Great Reed Warbler <i>Acrocephalus arundinaceus</i>	211	36				54	301	1
604		Cape Reed Warbler <i>A. gracilirostris</i>	181	19				60	260	1
604b		Reed Warbler <i>A. scirpaceus</i>	3					1	4	
606		African Marsh Warbler <i>A. baeticatus</i>	597	176				139	912	1
607		Marsh Warbler <i>A. palustris</i>	63	31				29	123	
608		Sedge Warbler <i>A. schoenobaenus</i>	334	50				18	402	1

Roberts Number	Species	Total of Previous Years	1968/69	1969/70	Grand Total	1968/69	Recoveries 1969/70	Grand Total
609	African Sedge Warbler <i>Bradypterus baboecala</i>	18	6	7	31			4
610	Scrub Warbler <i>B. barratti</i>		1		1			
613	Cinnamon-breasted Warbler <i>Camaroptera subcinnamomea</i>	2			2			
614	Barred Warbler <i>C. fasciolata</i>	20	11	13	44			
615	Sterling's Barred Warbler <i>C. sterlingi</i>			4	4			
616	Fan-tailed Warbler <i>Schoenicola brevirostris</i>	7			7			
617	Moustached Warbler <i>Melocichla mentalis</i>	5			5			
618	Grassbird <i>Sphenocacus afer</i>	77	4	4	85			
620	Red-winged Warbler <i>Heliolais erythroptera</i>	1			1			
621	Crombec <i>Sylvietta rufescens</i>	58	13	20	91			
622	Bar-throated Apalis <i>Apalis thoracica</i>	66	6	13	85			

624	Rudd's Apalis <i>A. ruddi</i>	1				1		
625	Yellow-breasted Apalis <i>A. flavida</i>	4		2		6		
627	Bleating Bush Warbler <i>Camaroptera brachyura</i>	76	34	45		155		
628	Grey-backed Bush Warbler <i>C. brevicaudata</i>	25	7	12		44		
	Green-backed Warbler <i>C. brevicola</i>	5				5		
629	Fan-tailed Cisticola <i>Cisticola juncidis</i>	50	23	7		80		
630	Desert Cisticola <i>C. aridula</i>	3		8		11		
631	Cloud Cisticola <i>C. textrix</i>	26				26		
634	Ayre's Cloud Cisticola <i>C. ayresii</i>	11				11		
635	Pale-Crowned Cloud Cisticola <i>C. brunnescens</i>	1				1		
637	Neddicky <i>C. fuscicapilla</i>	74	19	13		106		
638	Grey-backed Cisticola <i>C. subruficapilla</i>	3				3		
639	Wailing Cisticola <i>C. lais</i>	10	1	3		14		

Roberts Number	Species	Total of Previous Years	1968/69	1969/70	Grand Total	1968/69	Recoveries 1969/70	Grand Total
641	Tinkling Cisticola <i>C. rufilata</i>	1			1			
642	Rattling Cisticola <i>C. chiniana</i>	77	18	45	140			
643	Singing Cisticola <i>C. cantans</i>	20			20			
644	Red-faced Cisticola <i>C. erythropis</i>	22	4	5	31			
645	Black-backed Cisticola <i>C. galactotes</i>	8	2	5	15			
646	Le Vaillant's Cisticola <i>C. tinniens</i>	226	49	71	346			
647	Croaking Cisticola <i>C. natalensis</i>	13	3	1	17			
648	Lazy Cisticola <i>C. aberrans</i>	7	3	3	13		1	1
649	Tawny-flanked Prinia <i>Prinia subflava</i>	170	41	52	263			
650	Black-chested Prinia <i>P. flavicans</i>	183	59	74	316			
651	Karoo Prinia <i>P. maculosa</i>	220	7	13	240			3

654	Spotted Flycatcher <i>Muscicapa striata</i>	54	9	19	82	
655	Dusky Flycatcher <i>M. adusta</i>	23	6	3	32	
656	Blue-grey Flycatcher <i>M. caerulescens</i>	18		3	22	
657	Grey Tit-Babbler <i>Myioparus plumbeus</i>	1	1		2	
658	Tit-Babbler <i>Parisoma subcaeruleum</i>	88	42	58	188	1
659	Layard's Tit-Babbler <i>P. layardi</i>	1			1	
660	Herero Chat <i>Namibornis herero</i>		1		1	
661	Marico Flycatcher <i>Melaenornis mariquensis</i>	39	9	17	65	
662	Pale Flycatcher <i>M. pallidus</i>	31	4	10	45	1
663	Chat Flycatcher <i>M. infuscatus</i>	2		4	6	
664	Black Flycatcher <i>M. pammelaina</i>	55	3	8	66	
665	Fiscal Flycatcher <i>M. silens</i>	137	24	45	206	1
666	Yellow Warbler <i>Chloropeta natalensis</i>	13	9	4	26	

Roberts Number	Species	Total of Previous Years	1968/69	1969/70	Grand Total	1968/69	Recoveries 1969/70	Grand Total
668	Mashona Flycatcher <i>Hylota australis</i>	1			1			
671	Yellow-throated Warbler <i>Seicercus ruficapillus</i>	4		1	5			
672	Cape Flycatcher <i>Batis capensis</i>	17	3	1	21			
673	Chin-spot Flycatcher <i>B. molitor</i>	66	15	7	88			
674	Pirit Flycatcher <i>B. pririt</i>	8	4	4	16			
677	Wattle-eyed Flycatcher <i>Platysteira peltata</i>	12		3	15			
678	Fairy Flycatcher <i>Stenosira scita</i>	2		6	8			
680	Blue-mantled Flycatcher <i>Trochocercus cyanomelas</i>	6	3	1	8			
682	Paradise Flycatcher <i>Terpsiphone viridis</i>	160	22	31	213			
685	African Pied Wagtail <i>Motacilla aguimp</i>	430	1	7	438			
686	Cape Wagtail <i>M. capensis</i>	2 420	132	214	2 766	1	1	18

688	Long-tailed Wagtail <i>M. clara</i>	12		1	13	
689	Yellow Wagtail <i>M. lutea</i>	23	1	3	27	
692	Richard's Pipit <i>Anthus novaeseelandiae</i>	110	28	18	156	
693	Long-billed Pipit <i>A. similis</i>	7	4		11	
694	Plain-backed Pipit <i>A. leucophrys</i>	51	17		68	
695	Buffy Pipit <i>A. vaalensis</i>	8	3	4	15	
696	Striped Pipit <i>A. lineiventris</i>	3	1	2	6	
698	Tree Pipit <i>A. tritialis</i>	6	1		7	
699	Bushveld Pipit <i>A. caffer</i>			1	1	
703	Orange-throated Longclaw <i>Macronyx capensis</i>	64	11	8	83	
704	Yellow-throated Longclaw <i>M. croceus</i>	7	2	1	10	
705	Pink-throated Longclaw <i>M. ameliae</i>	1			1	
706	Lesser Grey Shrike <i>Lanius minor</i>	5	1		6	

Roberts Number	Species	Total of Previous Years	1968/69	1969/70	Grand Total	1968/69	Recoveries 1969/70	Grand Total
708x	Souza's Shrike <i>L. souzae</i>	2			2			
707	Fiscal Shrike <i>L. collaris</i>	640	66	115	821	1		6
708	Red-backed Shrike <i>L. collurio</i>	128	17	30	175		1	1
709	Boubou Shrike <i>Laniarius ferrugineus</i>	110	13	21	144			
711	Crimson-breasted Shrike <i>Laniarius atrococcineus</i>	18	6	5	29			
712	Puff-backed Shrike <i>Dryoscopus cubla</i>	67	11	28	106			
713	Tchagra <i>Tchagra tchagra</i>	35	1	3	39			
714	Three-streaked Tchagra <i>T. australis</i>	25	10	31	66			
715	Black-crowned Tchagra <i>T. senegala</i>	26	6	13	45			
717	Olive Bush Shrike <i>Malacoctes olivaceus</i>	5	2	1	8			
719	Orange-breasted Bush-shrike <i>M. sulfureopectus</i>	9	1	5	15			

721	Gorgeous Bush Shrike <i>M. quadricolor</i>	1					1		
722	Bokmakierie <i>M. zeylonus</i>	198	14	8			220		
723	Grey-headed Bush Shrike <i>M. hypopyrrhus</i>	8	2	1			11		
724	Magpie Shrike <i>Corvinella melanoleuca</i>	18	1				19		
727	White Helmet-Shrike <i>Prionops plumata</i>	42	6	7			55		
730	White-crowned Shrike <i>Eurocephalus anguithens</i>	4					4		
731	Brubru <i>Nilais afer</i>	12	1	8			21		
733	European Starling <i>Sturnus vulgaris</i>	1 636	88	68		6	1 792	4	57
734	Indian Myna <i>Acridotheres tristis</i>	46	9	13			68	1	2
735	Wattled Starling <i>Creatopora cinerea</i>	28	24	18			70		
736	Plum-coloured Starling <i>Cinnyricinclus leucogaster</i>	66	19	43			128		1
737	Cape Glossy Starling <i>Lamprotornis nitens</i>	102	41	19			162		1
738	Blue-eared Starling <i>L. chalybaeus</i>	23	3	7			33	1	1

Roberts Number	Species	Total of Previous Years	1968/69	1969/70	Grand Total	1968/69	Recoveries 1969/70	Grand Total
739	Lesser Blue-eared Starling <i>L. chloropterus</i>	39	1	6	46			1
740	Black-bellied Starling <i>L. corruscus</i>	6	2	1	9			
742	Long-tailed Starling <i>L. mevesii</i>	20	4	3	27			
743	Greater Starling <i>L. australis</i>	78	58	1	137			
744	Pale-winged Starling <i>Onychognathus nabouroup</i>		5	5	10			
745	Red-winged Starling <i>O. morio</i>	109	6	1	116			5
746	Pied Starling <i>Spreo bicolor</i>	174	4	34	212			2
748	Red-billed Oxpecker <i>Buphagus erythrorhynchus</i>	15			15			1
749	Cape Sugarbird <i>Promerops cafer</i>	97		10	107			
750	Gurney's Sugarbird <i>P. gurneyi</i>	2			2			
751	Malachite Sunbird <i>Nectarinia famosa</i>	69	1	7	77			

752	Bronze Sunbird <i>N. kilimnensis</i>	8				8		
753	Orange-breasted Sunbird <i>N. violacea</i>	28		13		41		
754	Coppery Sunbird <i>N. cuprea</i>	1				1		
755	Marico Sunbird <i>N. mariquensis</i>	31	14	8		53		
756	Purple-banded Sunbird <i>N. bifasciata</i>	1				1		
757	Shelley's Sunbird <i>N. shelleyi</i>	1				1		
758	Greater Double-collared Sunbird <i>N. afra</i>	57	2			59		
760	Lesser Double-collared Sunbird <i>N. chalybea</i>	219	37	54		310		1
762	Yellow-bellied Sunbird <i>N. venusta</i>	54	2			56		
763	White-bellied Sunbird <i>N. talatala</i>	144	18	46		208		
764	Dusky Sunbird <i>N. fusca</i>		1	12		13		
765	Grey Sunbird <i>N. veroxii</i>	7	4	2		13		
766	Olive Sunbird <i>N. olivacea</i>	132	48	23		203		1

Roberts Number	Species	Total of Previous Years	1968/69	1969/70	Grand Total	1968/69	Recoveries 1969/70	Grand Total
771	Collared Sunbird <i>Anthreptes collaris</i>	20	3	3	26		1	1
772	Black Sunbird <i>N. amethystina</i>	268	23	24	315			2
774	Scarlet-chested Sunbird <i>N. senegalensis</i>	50	7	15	72			1
775	Cape White-eye <i>Zosterops virens</i>	2 446	396	546	3 450	2	3	13
777	Yellow White-eye <i>Z. senegalensis</i>	276	51	24	351			1
778	Green White-eye <i>Z. virens atmorii</i>	179	188	133	500			
779	Buffalo Weaver <i>Bubalornis albirostris</i>	11	8	1	20			
780	White-browed Sparrow-Weaver <i>Plocepasser mahali</i>	191	83	76	350	1		5
783	Sociable Weaver <i>Philetairus socius</i>	2		30	32			
784	House Sparrow <i>Passer domesticus</i>	3 814	905	643	5 362	8	9	40
785	Great Sparrow <i>P. mottensis</i>	14	57	56	127	1		1

786	Cape Sparrow <i>P. melanurus</i>	13 996	1 012	1 949	16 957	2	6	62
787	Grey-headed Sparrow <i>P. griseus</i>	625	245	244	1 114	1		2
788	Yellow-Throated Sparrow <i>Petronia supercilialis</i>	78	5	5	88			
789	Scaly Weaver <i>Sporopipes squamifrons</i>	741	188	180	1 109			7
790	Forest Weaver <i>Ploceus bicolor</i>	4			4			
791	Spectacled Weaver <i>P. ocularis</i>	114	39	34	187			
792	Lesser Masked Weaver <i>P. intermedius</i>	107	62	37	206			
793	Red-headed Weaver <i>Malimbus rubriceps</i>	6	5	1	12			
796	Chestnut Weaver <i>Ploceus rubiginosus</i>	2	86	137	225			
797	Spotted-backed Weaver <i>P. cucullatus</i>	524	45	107	676		1	10
799	Cape Weaver <i>P. capensis</i>	1 149	511	727	2 387	7	16	36
800	Yellow Weaver <i>P. subaureus</i>	375	81	114	570			
801	Golden Weaver <i>P. xanthops</i>	110	50	40	200			1

Roberts Number	Species	Total of Previous Years	1968/69	1969/70	Grand Total	1968/69	Recoveries 1969/70	Grand Total
802	Brown-throated Weaver <i>P. xanthopterus</i>	2	2		4			
803	Masked Weaver <i>P. velatus</i>	10 907	1 571	2 349	14 827	6	6	65
804	Thick-billed Weaver <i>Amblyospiza albifrons</i>	47	12	17	76			
805	Red-billed Quelea <i>Quelea quelea</i>	63 863	392	2 216	66 471	1	5	157
806	Red-headed Quelea <i>Q. erythrops</i>	810			810			
808	Red Bishop <i>Euplectes orix</i>	7 787	522	793	9 102	2	1	12
809	Black-winged Bishop <i>E. hordeaceus</i>	557			557			3
810	Cape Bishop <i>E. capensis</i>	510	34	74	618			3
812	Golden Bishop <i>E. afer</i>	368	12	20	400			
813	Red-collared Widow <i>E. ardens</i>	1 417	58	93	1 568	1		1
814	White-winged Widow <i>E. albonotatus</i>	817	23	90	930			2

815	Yellow-backed Widow <i>E. macrourus</i>	229	3	11	243		
816	Red-shouldered Widow <i>E. axillaris</i>	363	32	36	431		
	Marsh Wicow <i>E. hartlaubii</i>	2			2		
818	Long-tailed Widow <i>E. progne</i>	138	24	4	166		
820	Red-headed Finch <i>Amadina erythrocephala</i>	145	300	288	733	2	4
821	Cut-throat Finch <i>A. fasciata</i>	85	113	194	392	1	1
822	Pied Mannikin <i>Lonchura fringilloides</i>	3	2		5		
823	Bronze Mannikin <i>L. cucullata</i>	1 453	1 518	1 221	4 192	7	10
824	Red-backed Mannikin <i>L. bicolor</i>	61	1	4	66		
825	Swee Waxbill <i>Estrilda melanotis</i>	42	1		43		
827	Green Twinspot <i>Mandingoa nitridula</i>	5	2	1	8		
828	Nyasa Crimson-wing <i>Pirenestes minor</i>	1			1		
829	Yellow-backed Pytelia <i>Pytelia afra</i>	8	3	2	13		

Roberts Number	Species	Total of Previous Years	1968/69	1969/70	Grand Total	1968/69	Recoveries 1969/70	Grand Total
830	Melba Finch <i>P. melba</i>	420	453	469	1 342	1	2	7
832	Red-throated Twinspot <i>Hypargos niveoguttatus</i>	50			50			
833	Blue-billed Firefinch <i>Lagonosicta rubricata</i>	130	69	14	213			
835	Jameson's Firefinch <i>L. rhodopareta</i>	81	34	82	197	1	1	2
836	Brown Firefinch <i>L. rufopicta</i>	7			7			
837	Red-billed Firefinch <i>L. senegala</i>	465	66	78	609			5
838	Orange-breasted Waxbill <i>Amandava subflava</i>	247	30	39	316			
839	Blue Waxbill <i>Uraeginthus angolensis</i>	1 190	290	577	2 057	1	1	7
840	Violet-eared Waxbill <i>U. granatinus</i>	133	233	273	639	2	1	4
841	Black-cheeked Waxbill <i>Estrilda erythronotos</i>	53	99	155	307		1	1
842	Grey Waxbill <i>E. perreini</i>	4		4	8			

843	Common Waxbill <i>E. astrild</i>	1 811	92	152	2 055			3
844	Quail Finch <i>Ortygospiza fuscocrissa</i>	31	62	28	121			
846	Pin-tailed Whydah <i>Vidua macroura</i>	560	149	207	916			1
847	Shaft-tailed Whydah <i>V. regia</i>	53	15	63	131			1
849	Black Widowfinch <i>Hypochoera funerea</i>	54	30	12	96		1	1
850	Black Widowfinch <i>H. f. nigerrima</i>	20			20			
851	Steel-blue Widowfinch <i>H. chalybeata</i>	9	3	9	21			1
852	Paradise Whydah <i>Steganura paradisaea</i>	39	5	11	55			
853	Broad-tailed Paradise Whydah <i>S. orientalis</i>	26			26			
854	Cuckoo Finch <i>Anomalospiza imberbis</i>	35	1		36			
857	Cape Canary <i>Serinus canicollis</i>	227	25	7	259			
858	Forest Canary <i>S. scotops</i>	50	16		66			
859	Yellow-eyed Canary <i>S. mozambicus</i>	800	227	181	1 208	1		2

Roberts Number	Species	Total of Previous Years	1968/69	1969/70	Grand Total	1968/69	Recoveries 1969/70	Grand Total
860	Black-throated Canary <i>S. atrogularis</i>	743	75	277	1 095			4
861	Black-headed Canary <i>S. alario</i>	4	1		5			
863	Bully Canary <i>S. sulphuratus</i>	135	75	49	259			1
865	White-throated Seed-eater <i>S. albogularis</i>	7	9	12	28			
866	Yellow Canary <i>S. flaviventris</i>	61	75	107	243			
867	Streaky-headed Seed-eater <i>S. gularis</i>	316	77	94	487			
868	Black-eared Seed-eater <i>S. mennelli</i>	4			4			
871	Lark-like Bunting <i>Emberiza impetuani</i>	34	61	280	375			
872	Rock Bunting <i>E. tahapisi</i>	134	26	27	187			
873	Cape Bunting <i>E. capensis</i>	22	7	23	52			
874	Golden-breasted Bunting <i>E. flaviventris</i>	160	69	152	381			

875	Cabanis's Bunting <i>E. cabanisi</i>	1		1	2			
	TOTALS	404 859	51 047	62 421	518 327	423	438	4 319
	SPECIES TOTALS	641	412	420	660	74	96	221

To be completed: The "Schedule of Birds Recovered" will be published in *Ostrich* 44(1), March 1973. It is regretted that an error in the printer's estimations has unexpectedly necessitated this division of the 15th Ringing Report into two parts.