

Bird-banding in Finland in the years 1913—1957.

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During recent years the bird-marking work in Finland has been very active and several noteworthy recoveries have been reported (e.g. see below). The total of birds banded in the calendar year 1957 reached the record figure of 38 628, and included 87 species. That year in all about 250 voluntary co-operators, dispersed over the whole country, took part in this work.

From 1913, when systematic ringing was started until 1958, a total of 259 367 birds belonging to 215 different species have been banded under the Helsinki Bird-Ringing Scheme (supplied by the Zoological Museum of Helsinki University). The marking work was begun on the initiative of Prof. Dr. J. A. PALMÉN; during three decades, in the years 1924—1954, the work was done under the leadership of Prof. Dr. I. VÄLIKANGAS.

The tabular survey below (table 1, pp. 114—119) gives the number of each species ringed in Finland during the period in question. My previous publication (NORDSTRÖM 1954) gave details of the bird-banding in Finland in the years 1913—1952.

The great majority of the specimens were ringed as nestlings in the breeding season, and only about 19 000 birds (7.2 per cent) were marked as adults or juveniles. Most of these have been trapped as passage migrants at the bird observatory on Signilskär, Åland (see LINKOLA 1957, 1958).

The Black-headed Gull, *Larus ridibundus*, heads the list (27 355 ringed specimens), followed by the Great Tit, *Parus major* (19 443), Fieldfare, *Turdus pilaris* (15 176), Starling, *Sturnus vulgaris* (14 199), Pied Flycatcher, *Muscicapa hypoleuca* (12 305), Common Tern, *Sterna hirundo* (11 205), etc.

In the tabular list the numbers of recoveries reported (in all 6 457) have been included. Detailed information concerning the recoveries will be found in the annual ringing reports »Die Vogelberingung in Finnland» 1913—1957. The percentage of ringed birds recovered is at present 2.4. The distribution of the recoveries of Finnish birds made in foreign countries appears from table 2 (p. 120).

In all, eight different sizes of aluminium rings (K, P, A, B, C, H, D, and E, bearing the addresses MUS. z. H:KI FINLAND or MUS. ZOOL. HELSINKI FINLAND) are distributed by the Zoological Museum.

As regards recent recoveries in Finland of birds marked abroad, see NORDSTRÖM 1957 a.

Species <i>Laji</i>	Number ringed <i>Rengastettuja</i> 1913—1957	Recoveries <i>Löydettyjä</i> 1913—1957			%
		In Finland <i>Suomessa</i>	Abroad <i>Ulko- mailla</i>	Total sum <i>Yht.</i>	
<i>Gavia arctica</i>	26	—	—	—	—
<i>Gavia stellata</i>	1	—	—	—	—
<i>Podiceps cristatus</i>	62	1	—	1	1,6
<i>Podiceps griseigena</i>	2	1	—	1	(50,0)
<i>Podiceps auritus</i>	26	—	—	—	—
<i>Podiceps</i> sp.	8	—	—	—	—
<i>Phalacrocorax carbo</i>	8	1	—	1	(12,5)
<i>Botaurus stellaris</i>	12	—	—	—	—
<i>Anas platyrhynchos</i>	1328	65	113	178	13,4
<i>Anas crecca</i>	125	5	15	20	16,0
<i>Anas querquedula</i>	1	—	1	1	—
<i>Anas penelope</i>	52	4	5	9	17,3
<i>Anas acuta</i>	128	9	10	19	14,8
<i>Anas clypeata</i>	77	6	12	18	23,3
<i>Anas</i> sp.	17	—	—	—	—
<i>Aythya marila</i>	36	—	2	2	5,5
<i>Aythya fuligula</i>	259	5	15	20	7,7
<i>Aythya ferina</i>	9	—	2	2	22,2
<i>Aythya</i> sp.	4	—	—	—	—
<i>Bucephala clangula</i>	85	8	6	14	16,4
<i>Clangula hyemalis</i>	6	—	—	—	—
<i>Melanitta fusca</i>	149	2	3	5	3,3
<i>Melanitta nigra</i>	3	—	—	—	—
<i>Melanitta</i> sp.	1	—	—	—	—
<i>Somateria mollissima</i>	275	5	8	13	4,7
<i>Mergus serrator</i>	92	2	2	4	4,3
<i>Mergus merganser</i>	60	3	1	4	6,6
<i>Mergus</i> sp.	6	—	—	—	—
<i>Anser anser</i>	18	—	2	2	11,1
<i>Anser erythropus</i>	1	—	—	—	—
<i>Anser arvensis</i>	4	—	—	—	—
<i>Cygnus olor</i>	2	—	—	—	—
<i>Cygnus cygnus</i>	6	1	—	1	16,6
<i>Aquila chrysaetos</i>	3	—	—	—	—
<i>Buteo buteo</i>	305	22	10	32	10,4
<i>Buteo lagopus</i>	92	2	8	10	10,8
<i>Buteo</i> sp.	25	2	3	5	20,0
<i>Accipiter nisus</i>	787	15	96	111	14,1
<i>Accipiter gentilis</i>	317	69	15	84	26,4
<i>Haliaeetus albicilla</i>	21	—	7	7	33,3

Continued
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Species <i>Laji</i>	Number ringed <i>Rengastettuja</i> 1913—1957	Recoveries <i>Löydettyjä</i> 1913—1957			
		In Finland <i>Suomessa</i>	Abroad <i>Ulko- mailla</i>	Total sum <i>Yht.</i>	%
<i>Pernis apivorus</i>	111	8	11	19	17,1
<i>Circus aeruginosus</i>	57	—	8	8	14,0
<i>Circus cyaneus</i>	20	1	1	2	10,0
<i>Pandion haliaëtus</i>	272	4	25	29	10,6
<i>Falco subbuteo</i>	108	3	2	5	4,6
<i>Falco peregrinus</i>	149	9	22	31	20,8
<i>Falco rusticolus</i>	3	—	—	—	—
<i>Falco columbarius</i>	102	—	9	9	8,8
<i>Falco vespertinus</i>	3	—	1	1	(33,3)
<i>Falco tinnunculus</i>	1039	16	40	56	5,3
<i>Lagopus lagopus</i>	38	2	—	2	5,2
<i>Lagopus mutus</i>	4	—	—	—	—
<i>Lyrurus tetrix</i>	84	3	—	3	3,5
<i>Tetrao urogallus</i>	27	2	—	2	7,4
<i>Tetrastes bonasia</i>	51	—	—	—	—
<i>Perdix perdix</i>	106	3	—	3	2,8
<i>Phasianus colchicus</i>	55	2	—	2	3,6
<i>Grus grus</i>	9	—	2	2	(22,2)
<i>Porzana porzana</i>	2	—	—	—	—
<i>Crex crex</i>	11	—	—	—	—
<i>Gallinula chloropus</i>	2	—	—	—	—
<i>Fulica atra</i>	118	—	4	4	3,3
<i>Haematopus ostralegus</i>	314	2	6	8	2,5
<i>Vanellus vanellus</i>	1944	2	15	17	0,8
<i>Charadrius hiaticula</i>	411	—	5	5	1,2
<i>Charadrius dubius</i>	136	—	—	—	—
<i>Charadrius apricarius</i>	19	—	—	—	—
<i>Charadrius morinellus</i>	67	—	—	—	—
<i>Charadrius sp.</i>	1	—	—	—	—
<i>Arenaria interpres</i>	1194	6	23	29	2,4
<i>Capella gallinago</i>	88	—	3	3	3,4
<i>Capella media</i>	1	—	—	—	—
<i>Scolopax rusticola</i>	193	—	16	16	8,2
<i>Numenius arquata</i>	1145	4	82	86	7,5
<i>Numenius phaeopus</i>	5	—	1	1	(20,0)
<i>Limosa lapponica</i>	2	—	—	—	—
<i>Tringa ochropus</i>	39	—	—	—	—
<i>Tringa glareola</i>	169	1	1	2	1,1
<i>Tringa hypoleucos</i>	682	2	4	6	0,8
<i>Tringa totanus</i>	776	1	8	9	1,1

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Species <i>Laji</i>	Number ringed <i>Rengastettuja</i> 1913—1957	Recoveries <i>Löydettyjä</i> 1913—1957			
		In Finland <i>Suomessa</i>	Abroad <i>Ulko- mailla</i>	Total sum <i>Yht.</i>	%
<i>Tringa erythropus</i>	12	—	—	—	—
<i>Tringa nebularia</i>	18	—	—	—	—
<i>Tringa sp.</i>	2	—	—	—	—
<i>Xenus cinerea</i>	3	—	—	—	—
<i>Calidris canutus</i>	1	—	—	—	—
<i>Calidris temminckii</i>	70	—	—	—	—
<i>Calidris alpina</i>	98	—	—	—	—
<i>Calidris ferruginea</i>	10	—	—	—	—
<i>Crocethia alba</i>	1	—	—	—	—
<i>Philomachus pugnax</i>	362	—	8	8	2.2
<i>Limicola falcinellus</i>	2	—	—	—	—
<i>Phalaropus lobatus</i>	40	—	1	1	2.5
<i>Stercorarius parasiticus</i>	73	1	—	1	1.3
<i>Stercorarius longicaudus</i>	5	—	—	—	—
<i>Larus marinus</i>	474	14	37	51	10.7
<i>Larus fuscus</i>	6554	48	104	152	2.3
<i>Larus argentatus</i>	3025	64	152	216	7.1
<i>Larus canus</i>	8310	117	390	507	6.1
<i>Larus minutus</i>	169	—	2	2	1.1
<i>Larus ridibundus</i>	27355	288	1285	1573	5.7
<i>Larus hyperboreus</i>	1	—	—	—	—
<i>Larus argentatus vel fuscus</i>	73	—	2	2	2.7
<i>Larus canus vel fuscus</i>	7	1	—	1	(14.2)
<i>Larus argentatus vel marinus</i>	281	—	9	9	3.2
<i>Larus fuscus vel marinus</i>	12	—	—	—	—
<i>Larus sp.</i>	160	—	—	—	—
<i>Rissa tridactyla</i>	1	—	—	—	—
<i>Hydroprogne tschegrava</i>	2364	14	80	94	3.9
<i>Hydroprogne vel Sterna</i>	—	—	1	1	—
<i>Sterna hirundo</i>	11205	29	91	120	1.0
<i>Sterna paradisaea</i>	2496	4	11	15	0.6
<i>Sterna hirundo vel paradisaea</i>	3720	4	31	35	0.9
<i>Alca torda</i>	394	2	20	22	5.5
<i>Uria grylle</i>	1737	53	71	124	7.1
<i>Fratercula arctica</i>	243	—	—	—	—
<i>Columba oenas</i>	203	1	18	19	9.3
<i>Columba palumbus</i>	380	3	31	34	8.9
<i>Columba livia</i>	275	13	—	13	4.7
<i>Columba sp.</i>	6	—	—	—	—
<i>Cuculus canorus</i>	125	—	—	—	—

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Species Laji	Number ringed Rengastettuja 1913—1957	Recoveries Löydettyjä 1913—1957			Total sum Yht.	%
		In Finland Suomessa	Abroad Ulko- mailla			
<i>Bubo bubo</i>	43	6	—	6	13,9	
<i>Nyctea scandiaca</i>	5	2	—	2	(40,0)	
<i>Surnia ulula</i>	26	—	—	—	—	
<i>Glaucidium passerinum</i>	17	—	—	—	—	
<i>Strix aluco</i>	367	47	—	47	12,8	
<i>Strix nebulosa</i>	5	—	—	—	—	
<i>Strix uralensis</i>	31	1	—	1	3,2	
<i>Asio otus</i>	233	8	5	13	5,5	
<i>Asio flammeus</i>	67	—	3	3	4,4	
<i>Aegolius funereus</i>	479	8	—	8	1,6	
<i>Caprimulgus europaeus</i>	29	—	—	—	—	
<i>Apus apus</i>	695	13	—	13	1,8	
<i>Dendrocoptes major</i>	494	4	2	6	1,2	
<i>Dendrocoptes leucotos</i>	10	—	—	—	—	
<i>Dendrocoptes minor</i>	107	—	—	—	—	
<i>Picoides tridactylus</i>	31	—	—	—	—	
<i>Picus canus</i>	18	1	—	1	5,5	
<i>Dryocopus martius</i>	205	6	—	6	2,9	
<i>Jynx torquilla</i>	2129	2	9	11	0,5	
<i>Lullula arborea</i>	23	—	1	1	4,3	
<i>Alauda arvensis</i>	423	—	—	—	—	
<i>Eremophila alpestris</i>	2	—	—	—	—	
<i>Hirundo rustica</i>	5570	18	3	21	0,3	
<i>Delichon urbica</i>	1535	11	—	11	0,7	
<i>Hirundo vel Delichon</i>	9	—	—	—	—	
<i>Riparia riparia</i>	2505	1	—	1	0,1	
<i>Anthus pratensis</i>	807	3	—	3	0,3	
<i>Anthus cervinus</i>	29	—	—	—	—	
<i>Anthus trivialis</i>	772	—	3	3	0,3	
<i>Anthus spinoletta</i>	89	1	2	3	3,3	
<i>Anthus sp.</i>	24	—	—	—	—	
<i>Motacilla alba</i>	7643	19	4	23	0,3	
<i>Motacilla flava</i>	1223	2	—	2	0,1	
<i>Lanius excubitor</i>	17	—	—	—	—	
<i>Lanius collurio</i>	1736	5	1	6	0,3	
<i>Bombycilla garrulus</i>	556	6	8	14	2,5	
<i>Cinclus cinclus</i>	10	—	—	—	—	
<i>Troglodytes troglodytes</i>	123	—	—	—	—	
<i>Prunella modularis</i>	173	—	—	—	—	
<i>Turdus viscivorus</i>	321	1	—	1	0,3	

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Species Laji	Number ringed Rengastettuja 1913—1957	Recoveries Löydettyjä 1913—1957			
		In Finland Suomessa	Abroad Ulko- mailla	Total sum Yht.	%
<i>Turdus pilaris</i>	15176	81	132	213	1,4
<i>Turdus ericetorum</i>	4123	6	36	42	1,0
<i>Turdus musicus</i>	7955	28	78	106	1,3
<i>Turdus torquatus</i>	11	—	—	—	—
<i>Turdus merula</i>	1250	7	7	14	1,1
<i>Turdus</i> sp.	63	—	—	—	—
<i>Oenanthe oenanthe</i>	3852	5	5	10	0,2
<i>Saxicola rubetra</i>	3094	2	7	9	0,2
<i>Phoenicurus phoenicurus</i>	5951	5	9	14	0,2
<i>Luscinia luscinia</i>	6	—	—	—	—
<i>Luscinia svecica</i>	382	2	—	2	0,5
<i>Erithacus rubecula</i>	3956	1	26	27	0,6
<i>Acrocephalus scirpaceus</i>	17	—	—	—	—
<i>Acrocephalus palustris</i>	2	—	—	—	—
<i>Acrocephalus dumetorum</i>	1	—	—	—	—
<i>Acrocephalus schoenobaenus</i>	164	—	—	—	—
<i>Hippolais pallida</i>	1	—	—	—	—
<i>Hippolais icterina</i>	163	—	—	—	—
<i>Sylvia atricapilla</i>	178	—	—	—	—
<i>Sylvia nisoria</i>	8	—	1	1	(12,5)
<i>Sylvia borin</i>	1643	2	7	9	0,5
<i>Sylvia communis</i>	1057	1	1	2	0,1
<i>Sylvia curruca</i>	1053	2	—	2	0,1
<i>Phylloscopus trochilus</i>	7301	5	1	6	0,1
<i>Phylloscopus trochiloides</i>	3	—	—	—	—
<i>Phylloscopus collybita</i>	247	—	—	—	—
<i>Phylloscopus sibilatrix</i>	218	—	—	—	—
<i>Phylloscopus</i> sp.	24	—	—	—	—
<i>Regulus regulus</i>	1287	—	—	—	—
<i>Muscicapa striata</i>	6865	7	8	15	0,2
<i>Muscicapa hypoleuca</i>	12305	16	40	56	0,4
<i>Muscicapa parva</i>	48	—	—	—	—
<i>Parus major</i>	19443	822	1	823	4,2
<i>Parus caeruleus</i>	1451	52	1	53	3,6
<i>Parus ater</i>	1915	13	1	14	0,7
<i>Parus cristatus</i>	1135	19	—	19	1,6
<i>Parus cinctus</i>	26	—	—	—	—
<i>Parus atricapillus</i>	2491	38	—	38	1,5
<i>Parus</i> sp.	8	—	—	—	—
<i>Aegithalos caudatus</i>	293	—	—	—	—

Continued
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Species Laji	Number ringed Rengastettuja 1913—1957	Recoveries Löydettyjä 1913—1957			%
		In Finland Suomessa	Abroad Ulko- mailla	Total sum Yht.	
<i>Certhia familiaris</i>	555	3	1	4	0,7
<i>Emberiza citrinella</i>	1826	5	1	6	0,3
<i>Emberiza aureola</i>	21	—	—	—	—
<i>Emberiza hortulana</i>	265	1	2	3	1,1
<i>Emberiza rustica</i>	64	—	—	—	—
<i>Emberiza schoeniclus</i>	523	—	1	1	0,1
<i>Emberiza pusilla</i>	2	—	—	—	—
<i>Emberiza sp.</i>	1	—	—	—	—
<i>Calcarius lapponicus</i>	54	—	—	—	—
<i>Plectrophenax nivalis</i>	34	1	—	1	2,9
<i>Fringilla coelebs</i>	6566	16	28	44	0,6
<i>Fringilla montifringilla</i>	979	1	7	8	0,8
<i>Coccothraustes coccothraustes</i>	1	—	—	—	—
<i>Chloris chloris</i>	685	12	1	13	1,8
<i>Carduelis carduelis</i>	18	—	—	—	—
<i>Carduelis spinus</i>	407	—	1	1	0,2
<i>Carduelis cannabina</i>	291	1	3	4	1,3
<i>Carduelis flammea</i>	1220	1	2	3	0,2
<i>Carduelis hornemanni</i>	16	—	—	—	—
<i>Pyrrhula pyrrhula</i>	2420	53	6	59	2,4
<i>Carpodacus erythrinus</i>	516	—	—	—	—
<i>Pinicola enucleator</i>	187	—	—	—	—
<i>Loxia curvirostra</i>	295	—	2	2	0,6
<i>Loxia pityopsittacus</i>	9	—	—	—	—
<i>Loxia leucoptera</i>	23	—	—	—	—
<i>Loxia sp.</i>	2	—	—	—	—
<i>Passer domesticus</i>	1161	25	—	25	2,1
<i>Passer montanus</i>	19	—	—	—	—
<i>Sturnus vulgaris</i>	14199	46	77	123	0,8
<i>Oriolus oriolus</i>	15	—	—	—	—
<i>Corvus corax</i>	93	10	—	10	10,7
<i>Corvus cornix</i>	4190	175	163	338	8,0
<i>Corvus frugilegus</i>	195	—	2	2	1,0
<i>Corvus monedula</i>	1673	50	19	69	4,1
<i>Pica pica</i>	2218	113	2	115	5,2
<i>Nucifraga caryocatactes</i>	63	—	2	2	3,1
<i>Garrulus glandarius</i>	449	19	—	19	4,2
<i>Perisoreus infaustus</i>	1	—	—	—	—
<i>Species ign.</i>	101	—	—	—	—
In total Yhteensä	215 species lajia 259367	2766	3691	6457	2,4

TABLE 2.

Country <i>Maa</i>	Recovered <i>Löydettyjä</i>	Country <i>Maa</i>	Recovered <i>Löydettyjä</i>
Europe		Africa	
Denmark	633	Egypt	21
Germany	518	South Africa	15
France	456	Algeria	9
Sweden	434	Morocco	9
Italy	295	French Sudan	7
Estonia	195	Angola	6
USSR	177	Tunisia	6
England	142	South West Africa	5
Netherlands	128	Belgian Congo	5
Belgium	103	Cameroons	3
Norway	73	Gold Coast	3
Poland	68	Senegal	3
Yugoslavia	61	Canary I. s	1
Spain	59	Cape Verde I. s	1
Latvia	46	Eritrea	1
Portugal	31	Ethiopia	1
Switzerland	31	Libya	1
Lithuania	27	French Equator. Africa	1
Hungary	22	Nigeria	1
Austria	17	Rio de Oro	1
Greece	16		
Czechoslovakia	12	Asia	
Romania	9	Israel	3
Scotland	9	Syria	2
Ireland	6	Lebanon	1
Turkey	6		
Bulgaria	5	<i>In total</i>	
Malta	5	Europe	3585
Lichtenstein	1	Africa	100
		Asia	6
			3691

The oldest Finnish ringed bird reported is a Lesser Black-backed Gull, *Larus fuscus*, which was ringed as a nestling (June 1927) near Helsinki and recovered after 26 years 8½ months (March 1954) in Poland.

The longest distance, viz. about 10 860 km, has been covered by an Arctic Tern, *Sterna paradisaea*. The bird was banded near Raahe (64° 42' N), western Finland, and found dead at Saldanha Bay (33° 5' S), South Africa. A Common tern, *Sterna hirundo*, banded in Vehkalahti (60° 29' N), southern Finland, was caught and released rather farther, namely at Mossel Bay (34° 10' S), South Africa, the distance being 10 560 km. A Spotted Flycatcher, *Muscicapa striata*, marked as a nestling near Pedersöre (63° 40' N), went to winter quarters in

South Africa and was shot at Gundrift (30° 45' S), having migrated a distance of more than 10 550 km.

Finally some remarkable recoveries reported during the last year may be shortly mentioned. *Anas clypeata* from Ravenna, Italy; *Accipiter gentilis* from Smolensk, USSR; *Pernis apivorus* from Cameroons, Africa; *Circus cyaneus* from Minsk, USSR; *Capella gallinago* from Pavia, Italy; *Numenius phaeopus* from Fuertventura, Canary Islands; *Philomachus pugnax* from Sicily, Italy; *Phalaropus lobatus* from Saratov, USSR; *Bombycilla garrulus* from Gyöngyös, Hungary; *Sylvia nisoria* from Bekaa, Lebanon; *Muscicapa striata* from Belgian Congo; *Parus ater* from Kassel, Germany; *Certhia familiaris* from Moscow, USSR; *Pyrrhula pyrrhula* from 17 km S of Moscow, USSR.

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Selostus: Lintujen rengasmerkinnästä Suomessa vv. 1913—1957.

Taulukossa 1, s. 114—119, on lueteltu rengastettujen lintujen lajinimet, niiden lukumäärät sekä vastaavat löydöt ja löytöprosentit. Taulukosta 2, s. 120, nähdään ulkomailla löydettyjen Suomessa merkittyjen lintujen jakaantuminen eri maitten mukaan. Yllämainittuna aikana on maassamme rengastettu yhteensä 259 367 lintuyksilöä jakautuneina 215 lajiin. Noin 19 000 lintua on merkitty täyskasvaisina, t.s. 7.2 %. Löytöjä on ilmoitettu 6 457 yksilöstä, joten merkittyjen lintujen löytöprosentti on tällä hetkellä 2.4.

Vanhin tavattu Suomessa rengastettu yksilö on selkälokki, *Larus fuscus*, joka saavutti 26 vuoden 8½ kk:n iän. Pisimmän matkan, n. 10 860 km, on tietävästi suorittanut lapintiira, *Sterna paradisaea*, joka merkittiin Raahen edustalla ja tavattiin kuolleena Saldanha Bay-nimisessä paikassa Kapmaassa.

