

Individual life histories can only be followed in marked birds, gathering information also on longevity records. Roland Staav, from the Stockholm ringing scheme, has been collecting longevity data for many years, and here he offers the most updated list after the one by Rydzewski, which appeared on 'The Ring' in the 70ies. Given the interest of these data, all schemes are kindly requested to help Roland in updating the list, informing him on the national records as they come through new recoveries. This would allow Roland to publish additions to the list in future issues of the newsletter.

LONGEVITY LIST OF BIRDS RINGED IN EUROPE

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Longevity lists were in the seventies published several times in THE RING compiled by W. Rydzewski. These lists were in fact fundamental for the present work. Over the last decades much higher ages have been proved for several species and now the time has come to publish an up-to-date list of the oldest known individuals so far. The list now covers 284 European bird species. There are however many more recoveries of old birds hidden in the archives of the ringing schemes.

I want to express my gratitude to those schemes which responded to my request in the EURING meeting in Estonia in April 1995, when I presented a preliminary list. This is a work which never will be completed, as many species are ringed in small numbers and the recoveries are very few.

If you have complementary additions to the list, please send me copies with all ringing details.

| | | | |
|-----|------------------------------|-----|------------------------|
| BLB | Belgium Bruxelles | NLA | Netherlands Arnhem |
| DDH | Germany Hiddensee | NLL | Netherlands Leiden |
| DFH | Germany Helgoland | NOA | Norway Ås |
| DFR | Germany Radolfzell/Rossitten | NOO | Norway Oslo |
| DKC | Denmark, Copenhagen | NOS | Norway Stavanger |
| ESA | Spain Aranzadi | PLG | Poland Gdansk |
| ESI | Spain, Icona | PLW | Poland Warsaw |
| ESM | Spain Madrid | SFH | Finland Helsinki |
| FRP | France Paris | SUM | Russia Moscow |
| HES | Helvetia Sempach | SUR | Latvia Riga |
| HGB | Hungary Budapest | SVG | Sweden Gothenburg |
| ILT | Israel Tel Aviv | SVJ | Sweden Jägareförbundet |
| ISR | Iceland Reykjavik | SVS | Sweden Stockholm |

Explanations to the columns:

- 1) Species
- 2) Ringing Scheme:
- 3) Ring number
- 4) Time elapsed between ringing and recovery in years and months.
- 5) Minimum age according to status at ringing.
- 6) Age recorded at the time of ringing: 1= pullus, 2= fully grown, 3 hatched during calendar year of ringing, 4= hatched before

calendar year of ringing, 5= hatched during previous calendar year, 6= hatched before previous calendar year, 7= definitely hatched two years before year of ringing, 8= hatched three or more calendar years before year of ringing.

- 7) EURING-code when found
 8) Ring verification: + ring sent or otherwise verified.
 9) Comments
 10) Reference

| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
|----------------------------------|-----|----------|-------|-------|---|------|---|--|----------------|
| <i>Gavia stellata</i> | SVG | D 1928 | 23-06 | 23-07 | 1 | 2300 | + | Found oiled. | 1 |
| <i>Gavia arctica</i> | DFR | B 34256 | 26-11 | 27-10 | 4 | 2100 | | | 2 |
| <i>Tachybaptus ruficollis</i> | HES | 929838 | 13-00 | 13-06 | 2 | 8200 | | | 60 |
| <i>Podiceps cristatus</i> | GBT | AJ 16070 | 11-10 | 12-08 | 4 | 2010 | | | 70 74 |
| <i>Puffinus puffinus</i> | GBT | AT 14414 | 35-08 | 37-08 | 4 | 6200 | | Current ring EJ 14240, reringed four times, alive captive. | 34 74 |
| <i>Fulmarus glacialis</i> | GBT | 352227 | 40-10 | 43-10 | 8 | 8290 | | Nesting male both at ringing and recovery, current ring FS 67216, reringed many times. | 10 74 53 74 |
| <i>Hydrobates pelagicus</i> | GBT | 649064 | 31-10 | 33-09 | 4 | 8200 | | | 53 74 |
| <i>Oceanodroma leucorhoa</i> | GBT | BB 84094 | 21-10 | 22-10 | 4 | 8200 | | Ringed and controlled in the same colony. | 53-74 |
| <i>Sula bassana</i> | GBT | 1010391 | 32-03 | 32-04 | 1 | 2010 | + | Found dead on beach rather fresh. | 10 74 |
| <i>Phalacrocorax carbo</i> | GBT | 5001939 | 21-06 | 21-06 | 1 | 1010 | + | Dead bird found. | 69 74 |
| <i>Phalacrocorax aristotelis</i> | NOS | 207163 | 17-04 | 17-05 | 1 | 2340 | | Found in fishing gear | 78 |
| <i>Botaurus stellaris</i> | NLA | 302703 | 10-04 | 11-03 | 4 | 2010 | | | 2 |
| <i>Ixobrychus minutus</i> | HES | 934781 | 05-00 | 06-00 | 4 | 8200 | | Female. | 55 |
| <i>Nycticorax nycticorax</i> | FRP | DA 2894 | 16-03 | 16-04 | 1 | 2010 | | | 5 |
| <i>Bubulcus ibis</i> | ESM | E 10374 | 18-05 | 18-05 | 1 | 2100 | | | 58 |
| <i>Egretta garzetta</i> | FRP | CD 2346 | 22-04 | 22-04 | 1 | 2100 | | | 5 |
| <i>Ardea cinerea</i> | NLL | 73617 | 35-00 | 35-01 | 1 | 2100 | | | 46 |
| <i>Ardea purpurea</i> | DFR | B1495 | 25-04 | 25-05 | 1 | 2010 | | | 5 |
| <i>Ciconia ciconia</i> | HES | S 127 | 38-11 | 39-00 | 1 | 2500 | | | 9 |
| | FRP | B 3115 | 34-09 | 34-10 | 1 | 2010 | | | 5 |
| | DDH | K 2392 | 29-10 | 29-11 | 1 | 8280 | | Breeding. | 31 |
| <i>Ciconia nigra</i> | PLG | A 995853 | 18-06 | 18-07 | 1 | 2100 | | | 61 |
| <i>Phoenocopterus ruber</i> | FRP | FA 5233 | 27-06 | 27-06 | 1 | 8280 | | | 5 |
| <i>Cygnus olor</i> | DFH | 111617 | 27-10 | 28-07 | 4 | 8280 | | | 6 |
| <i>Cygnus columbianus</i> | GBT | Z 31712 | 21-07 | 24-10 | 6 | 2100 | | Male. | 53 74 |
| <i>Cygnus cygnus</i> | DKC | A 5632 | 25-11 | 26-06 | 5 | 8200 | | Female. | 62 |
| <i>Anser fabalis</i> | NLA | 8501690 | 21-08 | 22-04 | 4 | 2100 | | | 61 |
| <i>Anser albifrons</i> | NLL | 8008491 | 24-08 | 25-03 | 4 | 2100 | | Male. | 8 |
| <i>Anser anser</i> | BLB | 0439 | 22-06 | 23-07 | 4 | 2400 | | Killed by car. | 47 |
| <i>Branta canadensis</i> | SVS | 9803465 | 23-02 | 23-04 | 1 | 8280 | | Neck collar read. | 30 |
| <i>Branta leucopsis</i> | GBT | 1071377 | 17-09 | 20-08 | 6 | 2500 | | Female, found with broken wing, in care for 3 weeks. | 43 74 |
| <i>Branta leucopsis</i> | NOA | 20074 | 19-08 | 20-08 | 4 | 2010 | | | 78 |
| <i>Branta bernicla</i> | GBT | GP 86154 | 19-01 | 19-09 | 5 | 2100 | | | 4 74 |
| <i>Tadorna tadorna</i> | GBT | GP 44864 | 18-00 | 18-11 | 4 | 1780 | | Dead, violent weather. | 33 74 |
| <i>Anas penelope</i> | GBT | 364356 | 19-06 | 19-09 | 2 | 2100 | + | | 67 74 |
| <i>Anas strepera</i> | GBT | AT 83971 | 21-03 | 22-04 | 4 | 2100 | | Male. | 43 74 |
| <i>Anas crecca</i> | GBT | 915330 | 25-06 | 27-01 | 4 | | | | 68 |
| <i>Anas crecca</i> | FRP | ED 1418 | 20-08 | 21-03 | 4 | 2100 | | | 5 |
| <i>Anas platyrhynchos</i> | GBT | GM 66939 | 25-03 | 25-07 | 3 | 3400 | | Female dead (not fresh) road casualty. | 4 74 |

| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
|------------------------------|-----|----------|-------|-------|---|------|---|---|-------|
| <i>Anas acuta</i> | NLL | 5009767 | 26-03 | 27-05 | 4 | 2100 | | Male. | 46 |
| <i>Anas querquedula</i> | DFH | 5151093 | 13-07 | 13-08 | 3 | 2010 | | | 6 |
| <i>Anas clypeata</i> | SUM | E 47327 | 20-04 | | 4 | | | | 2 |
| <i>Aythya ferina</i> | GBT | GH 30864 | 21-07 | 22-03 | 5 | 2100 | + | Male. | 51 74 |
| <i>Aythya fuligula</i> | HES | Z 8377 | 19-11 | 20-04 | 2 | 2100 | | Female. | 54 |
| <i>Aythya marila</i> | ISR | 3535 | 12-11 | 13-11 | 4 | 8200 | | Controlled breeding. | 2 |
| <i>Somateria mollissima</i> | GBT | 942932 | 35-06 | 37-10 | 4 | 1030 | | Male dead, leg + ring | |
| <i>Clangula hyemalis</i> | GBT | SS 68635 | 19-11 | 21-02 | 4 | 2100 | | Male. | 51 74 |
| <i>Melanitta nigra</i> | ISR | 328 | 15-10 | 16-09 | 4 | 2010 | | | 2 |
| <i>Melanitta fusca</i> | SFH | H 57155 | 20-05 | 21-05 | 4 | 2100 | | Female. | 52 |
| <i>Bucephala clangula</i> | SUM | 18692 | 16-11 | | 4 | | | | 2 |
| <i>Mergus albellus</i> | SFH | C 257064 | 05-11 | 06-10 | 4 | 8200 | | Female. | 39 |
| <i>Mergus serrator</i> | SVS | W 107522 | 21-03 | 21-03 | 1 | 2100 | + | Female. | 1 |
| <i>Mergus merganser</i> | SVS | 9119460 | 13-04 | 13-11 | 4 | 2340 | + | Female. | 30 |
| <i>Pernis apivorus</i> | DFR | C 52627 | 28-11 | 29-00 | 1 | 3010 | + | Found in putrified condition but death took place in finding year. | 2 |
| <i>Milvus migrans</i> | DDH | 320182 | 19-04 | 19-05 | 1 | 2401 | | | 31 |
| <i>Milvus milvus</i> | DFR | D 26437 | 25-07 | 25-08 | 1 | 2200 | + | | 55 |
| <i>Haliaeetus albicilla</i> | SVS | 9402042 | 21-11 | 22-00 | 1 | 8280 | | Female, earlier breeding with one year younger (20 + 19 years old). | 22 |
| <i>Gyps fulvus</i> | ESM | AB 1860 | 09-09 | 09-11 | 1 | 2010 | | | 58 |
| <i>Aquila chrysaetos</i> | SVS | H 2043 | 28-05 | 32-00 | 8 | 3010 | + | | 30 |
| <i>Circus aeruginosus</i> | DDH | 428670 | 16-08 | 16-08 | 1 | 2430 | | | 64 |
| <i>Circus cyaneus</i> | NLA | 3273552 | 17-01 | 17-01 | 1 | 2400 | | Female. | 45 |
| <i>Circus pygargus</i> | DFR | D 178 | 16-01 | 16-01 | 1 | 1010 | | | 2 |
| <i>Circus macrourus</i> | FRP | FA 9410 | 12-06 | 13-05 | 5 | | | | 5 |
| <i>Accipiter gentilis</i> | DFH | 3065454 | 19-09 | 19-09 | 1 | 2010 | | | 6 |
| <i>Accipiter nisus</i> | DKC | 588073 | 20-03 | 20-03 | 1 | 8200 | | Female. | 73 |
| <i>Buteo buteo</i> | DKC | 313963 | 28-08 | 28-09 | 1 | 1010 | | Bird found dead since 2-3 weeks, good condition. | 73 |
| <i>Buteo rufinus</i> | ILT | B 147357 | 07-07 | 08-06 | 4 | 1010 | | | 16 |
| <i>Buteo lagopus</i> | SFH | D 54910 | 17-06 | 17-07 | 1 | 3100 | | Dead a few weeks ago. | 13 |
| <i>Pandion haliaetus</i> | SFH | M 237 | 26-00 | 26-01 | 1 | 5580 | | | 52 |
| <i>Falco tinnunculus</i> | GBT | 3105785 | 23-10 | 23-10 | 1 | 3010 | | Dead bird (not fresh) found | 14 74 |
| <i>Falco vespertinus</i> | FRP | GT 9477 | 12-04 | 13-03 | 4 | | | | |
| <i>Falco columbarius</i> | GBT | EB 28714 | 12-08 | 12-08 | 1 | 2010 | | Freshly dead bird found. | 34 74 |
| <i>Falco subbuteo</i> | DFH | 200775 | 09-09 | 09-09 | 1 | 2010 | | | 12 |
| <i>Falco eleonorae</i> | DFH | 5265733 | 11-01 | 11-02 | 1 | 2100 | | | 6 |
| <i>Falco peregrinus</i> | SVS | 9002638 | 17-03 | 17-04 | 1 | 2400 | + | Female, struck by a car with homing pigeon in her talons. | 30 |
| <i>Bonasa bonasia</i> | SVJ | 16504 | 07-03 | 07-03 | 1 | 2100 | | | 1 |
| <i>Lagopus lagopus</i> | SFH | H 127524 | 05-00 | 08-07 | 6 | 8200 | | Male. | 52 |
| <i>Tetrao tetrix</i> | SFH | D 84897 | 08-05 | 12-03 | 8 | 3100 | | Male. | 36 |
| | HES | Z 7919 | 07-11 | 08-07 | 5 | 8200 | | Male. | 15 |
| <i>Tetrao urogallus</i> | SVJ | 36825 | 09-03 | 09-04 | 2 | 2100 | | | 1 |
| <i>Coturnix coturnix</i> | GBL | 2454 | 11-00 | | 4 | | | In Israel. | 16 |
| <i>Rallus aquaticus</i> | DFH | 6263544 | 07-02 | 07-04 | 3 | 2430 | | | 6 |
| <i>Gallinula chloropus</i> | DKC | 403675 | 18-06 | 18-07 | 3 | 2010 | + | Oiseau trouvé mort. | 73 |
| <i>Fulica atra</i> | DKC | 316250 | 19-09 | 20-07 | 4 | 2100 | + | Only number readable. | 73 |
| <i>Grus grus</i> | SFH | M 2479 | 17-02 | 17-03 | 1 | 2430 | | Hit wires. | 37 |
| <i>Haematopus ostralegus</i> | DFH | 5022926 | 43-04 | 43-04 | 1 | 2640 | | Killed by bird of prey. | 6 |
| <i>Himantopus himantopus</i> | ESM | Y 4623 | 06-07 | 06-07 | 1 | 2010 | | | 58 |

| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
|---------------------------------|-----|----------|-------|-------|---|------|---|--|-------|
| <i>Recurvirostra avocetta</i> | DKC | 531569 | 24-05 | 24-05 | 1 | 2300 | + | Ringed as pull. 3 days. | 73 |
| <i>Burhinus oedicephalus</i> | GBT | ED 41923 | 17-09 | 17-10 | 1 | 2400 | + | Freshly dead, road casualty. | 53 74 |
| <i>Charadrius dubius</i> | SFH | KT 453 | 11-11 | 12-11 | 4 | 8200 | | Male. | 52 |
| <i>Charadrius hiaticula</i> | GBT | BV 29882 | 16-07 | 16-11 | 2 | 1010 | | Dead bird found. | 14 74 |
| <i>Charadrius alexandrinus</i> | NLA | H 109521 | 14-11 | 14-11 | 1 | 8200 | | Female breeding. | 17 |
| <i>Charadrius morinellus</i> | SFH | A 442321 | 07-11 | 08-10 | 4 | 8200 | | Male breeding. | 40 |
| <i>Pluvialis apricaria</i> | NLL | 364033 | 12-01 | 12-09 | 4 | 2100 | | | 2 |
| <i>Pluvialis squatarola</i> | GBT | DS 28889 | 21-01 | 23-06 | 6 | 2650 | | Ringed DR 69382, freshly dead taken by predatory bird. | 14 74 |
| <i>Vanellus spinosus</i> | ILT | EE 1893 | 17-00 | 17-00 | 3 | 8200 | | | 16 |
| <i>Vanellus vanellus</i> | DKC | 690909 | 22-07 | 23-07 | 4 | 2200 | + | Female. | 73 |
| <i>Calidris canutus</i> | GBT | CK 68568 | 24-00 | 25-01 | 4 | 8200 | | Ringed SX 19079. | 10 74 |
| <i>Calidris alba</i> | GBT | BB 52147 | 17-06 | 18-06 | 4 | 8200 | | Ringed NS 92013. | 53 |
| <i>Calidris temminckii</i> | SFH | J 811878 | 08-11 | 09-11 | 1 | 8200 | | Breeding. | 40 |
| <i>Calidris minuta</i> | FRP | 1061363 | 11-10 | 12-00 | 3 | 2010 | | | 5 |
| <i>Calidris ferruginea</i> | NLA | H 129034 | 16-10 | 17-00 | 3 | 8200 | | | 18 |
| <i>Calidris maritima</i> | SFH | AT 14853 | 20-03 | 20-08 | 2 | 8290 | | Colour-rings read. | 7 |
| <i>Calidris alpina</i> | DKC | 807017 | 28-07 | 28-10 | 3 | 8200 | | | 19 |
| <i>Limicola falcinellus</i> | SVS | 3386241 | 06-08 | 06-10 | 3 | 8200 | | | 30 |
| <i>Philomachus pugnax</i> | SFH | AT 8167 | 13-10 | 13-11 | 3 | 2340 | | Female. | 52 |
| <i>Lymnocyrtus minimus</i> | GBT | BV 13930 | 09-04 | 10-00 | 4 | 1010 | | Dead bird found. | 67 74 |
| <i>Gallinago gallinago</i> | GBT | CH 86465 | 17-10 | 18-03 | 2 | 1010 | | Dead bird found. | 14 74 |
| <i>Scolopax rusticola</i> | SFH | S 79887 | 10-11 | 11-05 | 2 | 2100 | | | 52 |
| <i>Limosa limosa</i> | NLA | 3208793 | 17-09 | 18-09 | 4 | 8200 | | | 20 |
| <i>Limosa lapponica</i> | GBT | DS 00843 | 21-06 | 21-08 | 2 | 8200 | + | Male ringed DFH 6326711. | 68 74 |
| <i>Numenius phaeopus</i> | GBT | SS 30020 | 12-01 | 13-00 | 4 | 2100 | | | 74 |
| | DKC | 5035295 | 12-01 | 12-02 | 2 | 2100 | + | | 73 |
| <i>Numenius arquata</i> | SVG | D 1266 | 31-05 | 31-06 | 1 | 2100 | | | 1 |
| <i>Tringa erythropus</i> | DKC | 645009 | 06-00 | 06-02 | 3 | 2100 | | | 73 |
| <i>Tringa totanus</i> | GBT | DS 98061 | 18-05 | 19-06 | 4 | 2010 | | Freshly dead bird found. | 4 74 |
| <i>Tringa ochropus</i> | GBT | CR 63312 | 11-02 | 11-06 | 2 | 8200 | + | Ringed BV 90591. | 67 74 |
| <i>Tringa glareola</i> | SVS | 4035425 | 10-07 | 11-07 | 4 | 2100 | + | | 1 |
| <i>Tringa stagnatilis</i> | FRP | GA 84137 | 06-11 | 07-01 | 3 | 2100 | | | 5 |
| <i>Tringa nebularia</i> | NLA | 2040963 | 24-03 | 24-05 | 2 | 2101 | | | 44 |
| <i>Xenus cinereus</i> | SFH | A 355038 | 12-11 | 13-11 | 4 | 8280 | | Male. | 52 |
| <i>Actitis hypoleucos</i> | SVS | 3189307 | 13-05 | 14-06 | 4 | 3010 | | "Actitis" cadaver en putrefaccion. | 1 |
| <i>Arenaria interpres</i> | SFH | A 13503 | 19-08 | 19-08 | 1 | 2100 | | | 52 |
| <i>Stercorarius parasiticus</i> | GBT | EC 43407 | 25-09 | 25-10 | 1 | | | | 33 |
| <i>Stercorarius parasiticus</i> | SFH | ST 9621 | 22-11 | 22-11 | 1 | 1010 | | | 7 |
| <i>Catharacta skua</i> | GBT | HW 02100 | 28-10 | 28-10 | 1 | 2340 | + | Freshly dead on longline fishing line. | 74 |
| <i>Larus minutus</i> | SFH | AT 35319 | 17-10 | 20-10 | 6 | 8280 | | | 32 |
| <i>Larus ridibundus</i> | NLL | 119358 | 30-03 | 30-03 | 1 | 2010 | | | 2 |
| <i>Larus genei</i> | SUM | E 462619 | 31-08 | 31-08 | 1 | 8200 | | | 16 |
| <i>Larus audouinii</i> | ESI | 6007691 | 09-10 | 09-10 | 1 | 8280 | | | 58 |
| <i>Larus canus</i> | SUM | E 462619 | 31-08 | 31-08 | 1 | 8290 | | Controlled ,colour-ringed red 36K (Copenhagen). | 59 |
| <i>Larus fuscus</i> | GBT | AT 75973 | 31-09 | 31-09 | 1 | 2760 | + | Freshly dead, & poor condition." | 4 74 |

| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
|------------------------------|-----|----------|-------|-------|---|------|---|---|-------|
| <i>Larus argentatus</i> | NLL | 67943 | 31-11 | 31-11 | 1 | 2101 | | An american herring gull was found dead after 36 years (75). | 2 |
| <i>Larus hyperboreus</i> | NOS | 33823 | 16-04 | 16-04 | 1 | 2100 | | Jan Mayen - Faeroes. | 65 |
| <i>Larus marinus</i> | SFH | D 23583 | 25-08 | 25-09 | 1 | 2100 | | | 35 |
| <i>Rissa tridactyla</i> | GBT | EC 26662 | 28-05 | 28-05 | 1 | 1300 | | Oil victim of Braer oil tanker spill. | 4 74 |
| <i>Sterna nilotica</i> | DFH | 6308865 | 12-10 | 12-10 | 1 | | | | 6 |
| <i>Sterna caspia</i> | SVS | U 22698 | 30-00 | 30-00 | 1 | 8280 | | In colony, probably | |
| <i>Sterna sandvicensis</i> | GBT | DS 04431 | 28-00 | 28-00 | 1 | 8200 | | Tape lured, ringed DK | 14 74 |
| <i>Sterna dougallii</i> | GBT | CK 73170 | 21-00 | 21-00 | 1 | 7280 | | Nesting. | 33 74 |
| <i>Sterna hirundo</i> | DFH | 679964A | 30-09 | 30-09 | 1 | 2500 | | Found exhausted, died. | 6 |
| <i>Sterna paradisaea</i> | GBT | CK 10952 | 29-09 | 29-09 | 1 | 1010 | | Dead bird found. An american arctic tern was controlled breeding at the age of 34 years (75). | 10 |
| <i>Sterna albifrons</i> | DFH | 80303320 | 23-11 | 23-11 | 1 | 8200 | | Controlled as breeding male in 15 years. | 71 |
| <i>Chlidonias niger</i> | DKC | 8045639 | 20-11 | 21-00 | 1 | 2010 | | Found dying, sent to Zool. Museum Copenhagen. | 73 |
| <i>Uria aalge</i> | DFH | 337223 | 32-00 | 32-01 | 1 | 8200 | | | 6 |
| <i>Alca torda</i> | GBT | AT 73954 | 30-00 | 30-01 | 1 | 3010 | | Ringed M 23170, bird found (not fresh), dead ca. 1 month. | 10 74 |
| <i>Cephus grylle</i> | GBT | EC 43291 | 22-10 | 22-11 | 1 | 8290 | | Nesting, ringed EN 55396, colour mark record. | 74 |
| <i>Fratercula arctica</i> | GBT | AT 90333 | 29-10 | 29-11 | 1 | 8200 | | Ringed ER 36502. | 10 |
| <i>Columba oenas</i> | HES | 930722 | 12-07 | 12-07 | 1 | 2100 | | | 56 |
| <i>Columba palumbus</i> | GBT | 339579 | 15-10 | 15-10 | 1 | 2100 | | | 2 74 |
| <i>Streptopelia decaocto</i> | GBT | ED 04205 | 16-10 | 17-09 | 2 | 1010 | + | Dead bird found. | 43 74 |
| <i>Streptopelia turtur</i> | NLL | 167353 | 13-01 | 13-02 | 1 | 2100 | | | 5 |
| <i>Cuculus canorus</i> | DFH | 6023421 | 12-10 | 12-11 | 3 | 2010 | | | 6 |
| <i>Tyto alba</i> | NLL | 102460 | 17-10 | 17-11 | 2 | 2010 | | | 2 |
| <i>Otus scops</i> | ILT | EE 2878 | 06-09 | | | 8200 | | | 16 |
| <i>Bubo bubo</i> | SFH | E 1849 | 22-03 | 22-04 | 1 | 3100 | | | 52 |
| <i>Surnia ulula</i> | SVS | 9038484 | 08-03 | 08-03 | 1 | 2431 | | | 30 |
| <i>Strix aluco</i> | GBT | AJ 95106 | 21-05 | 21-06 | 3 | 2760 | + | Freshly dead, poor condition, emaciated. | 74 |
| <i>Strix uralensis</i> | SFH | D 47397 | 23-10 | 23-10 | 1 | 2760 | + | Found starving to death, bird and ring sent to Zool. Museum. | 50 |
| <i>Strix nebulosa</i> | SVS | 9209567 | 15-10 | 15-10 | 1 | 2400 | | Male. | 1 |
| <i>Asio otus</i> | SFH | H 7998 | 16-10 | 17-02 | 2 | 3100 | | | 52 |
| <i>Asio flammeus</i> | DFH | 3066160 | 20-09 | 20-09 | 1 | 2010 | | | 6 |
| <i>Aegolius funereus</i> | DFH | 4009133 | 08-11 | 08-11 | 1 | 8200 | | | 6 |
| <i>Caprimulgus europaeus</i> | GBT | XJ 86805 | 10-11 | 11-11 | 4 | 8200 | | Breeding female at ringing. | 4 74 |
| <i>Apus apus</i> | HES | 605769 | 21-00 | 21-00 | 1 | 8200 | | Breeding. | 2 |
| <i>Halcyon smyrnensis</i> | ILT | D 8661 | 05-06 | | | 4500 | | | 16 |
| <i>Alcedo atthis</i> | BLB | N 18630 | 21-00 | 21-00 | 1 | 8200 | | | 21 |
| <i>Ceryle rudis</i> | ILT | F 160 | 03-11 | | 4 | 8200 | | | 16 |
| <i>Coracias garrulus</i> | PLW | E 30905 | 09-01 | 09-02 | 3 | 2100 | | | 2 |
| <i>Jynx torquilla</i> | SVS | 3227796 | 04-11 | 05-11 | 4 | 8200 | | | 30 |
| <i>Picus canus</i> | DFH | 5021520 | 05-03 | 05-05 | 3 | 2010 | | | 6 |
| <i>Picus viridis</i> | GBT | DS 73653 | 14-11 | 15-00 | 3 | 1400 | + | Male dead, road casualty. | 33 74 |
| <i>Dryocopus martius</i> | SFH | S 76953 | 13-07 | 13-07 | 1 | 2630 | | Killed by Martes martes. | 41 |

| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
|--------------------------------|-----|----------------------|-------|-------|---|------|---|---|-------|
| <i>Dendrocopos major</i> | GBT | CV 01295 | 10-08 | 11-07 | 4 | 8200 | | Male nesting. | 74 |
| <i>Dendrocopos leucotos</i> | SVS | 4185657 | 08-00 | 09-00 | 4 | 8290 | | Male breeding. | 1 |
| <i>Dendrocopos minor</i> | HES | E 893552 | 07-00 | 07-03 | 3 | 8200 | | Female. | 11 |
| <i>Picoides tridactylus</i> | SFH | A 275614 | 05-03 | 06-03 | 4 | 1100 | | Male. | 52 |
| <i>Lullula arborea</i> | GBT | VC 1823? | 04-11 | 04-11 | 1 | 8290 | | Nesting colour mark record. | 4 |
| | | last digit 4,5 or 6. | | | | | | | 74 |
| <i>Alauda arvensis</i> | GBT | BA 87519 | 10-00 | 10-01 | 3 | 2610 | + | Taken by cat. | 74 |
| <i>Riparia riparia</i> | SUM | G 164713 | 07-10 | 07-10 | ? | | | | 5 |
| <i>Hirundo rustica</i> | GBT | A 292045 | 09-07 | 09-09 | 3 | 2460 | | Male, freshly dead entered barn, sexed male. | 43 74 |
| <i>Hirundo daurica</i> | ILT | X 85896 | 06-00 | 09-00 | 6 | 8200 | | Retrapped many times | 16 |
| <i>Delichon urbica</i> | DFR | G 68114 | 14-05 | 14-05 | 1 | 2100 | | | 2 |
| <i>Anthus trivialis</i> | SVS | 2452196 | 07-03 | 08-02 | 4 | 2100 | | | 1 |
| <i>Anthus pratensis</i> | DKC | 981002 | 07-08 | 07-08 | 3 | 2100 | | | 2 |
| <i>Anthus cervinus</i> | ILT | A 1202 | 03-11 | 04-06 | 4 | 8200 | | | 16 |
| <i>Anthus petrosus</i> | SVS | 1977863 | 08-11 | 09-10 | 4 | 8290 | | Male. | 1 |
| <i>Motacilla flava</i> | SVS | 2407355 | 08-08 | 08-10 | 2 | 2431 | + | Probably hit wire. | 1 |
| <i>Motacilla cinerea</i> | DFR | BO 87112 | 07-10 | 08-00 | 2 | 8200 | | Breeding. | 23 |
| <i>Motacilla alba</i> | GBT | AE 95672 | 09-10 | 10-01 | 3 | 8200 | | | 5 |
| <i>Pycnonotus xanthopygos</i> | ILT | CC 2979 | 07-10 | 08-09 | 4 | 8200 | | Male | 16 |
| <i>Bombycilla garrulus</i> | SUM | F 311279 | 12-06 | 13-05 | 4 | ? | | | 2 |
| <i>Cinclus cinclus</i> | SFH | PT 34971 | 10-01 | 10-07 | 5 | 8200 | | Female. | 24 |
| <i>Troglodytes troglodytes</i> | NLL | S 132964 | 05-08 | 06-00 | 2 | 2010 | | | 2 |
| <i>Prunella modularis</i> | GBT | B 660173 | 09-02 | 09-10 | 4 | 8200 | | Female. | 4 |
| <i>Cercotrichas galactotes</i> | ILT | B 9316 | 06-00 | 07-00 | 4 | 8200 | | | 16 |
| <i>Erithacus rubecula</i> | PLG | HA 240125 | 17-01 | 17-03 | 3 | 2200 | | | 61 |
| <i>Erithacus rubecula</i> | DFH | 8306378 | 12-10 | 13-03 | 2 | 8200 | | | 6 |
| <i>Luscinia luscinia</i> | DFH | 80134942 | 08-10 | 08-10 | 2 | 2010 | | | 6 |
| <i>Luscinia megarhynchos</i> | ESM | M 45674 | 08-07 | 09-09 | 4 | 2010 | + | | 57 |
| <i>Luscinia s. svecica</i> | SVS | 2625610 | 08-08 | 08-10 | 2 | 2440 | + | | 1 |
| <i>Luscinia s. cyanecula</i> | ESM | N0074112 | 10-10 | 11-05 | 5 | 8200 | | | 58 |
| <i>Phoenicurus ochruros</i> | NLA | S 128312 | 09-10 | 10-01 | 2 | 2200 | | | 25 |
| <i>Phoenicurus phoenicurus</i> | FRP | 12020 | 09-05 | 09-05 | 1 | 2200 | | | 5 |
| <i>Saxicola rubetra</i> | SFH | K 50898 | 05-02 | 05-02 | 1 | 2190 | | | 52 |
| <i>Saxicola torquata</i> | DFH | 9X36806 | 08-10 | 08-10 | 2 | 2010 | | | 6 |
| <i>Oenanthe oenanthe</i> | GBT | BJ89441 | 09-04 | 09-07 | 3 | 2100 | | | 74 |
| <i>Oenanthe hispanica</i> | ILT | B 2337 | 04-11 | | | 8200 | | | 16 |
| <i>Turdus torquatus</i> | ESM | 3015231 | 08-09 | 09-01 | 3 | 2010 | | Found dead 2000 m. a. s. | 49 |
| <i>Turdus merula</i> | DFH | 7224339 | 16-02 | 16-09 | 5 | 2440 | | Male. | 6 |
| <i>Turdus pilaris</i> | SFH | A 44583 | 17-11 | 18-00 | 1 | 1100 | | | 2 |
| <i>Turdus philomelos</i> | DKC | 8664866 | 16-04 | 17-05 | 4 | 2400 | + | Thrush killed by traffic. | 73 |
| <i>Turdus iliacus</i> | SVS | 4039201 | 09-06 | 09-06 | 1 | 2200 | | | 1 |
| <i>Turdus viscivorus</i> | HES | F 24020 | 09-11 | 10-04 | 2 | 2100 | | | 56 |
| <i>Cettia cetti</i> | ILT | X 8320 | 07-00 | 07-01 | 3 | 8200 | | | 16 |
| <i>Prinia gracilis</i> | ILT | Z 19140 | 06-00 | 06-05 | 3 | 8200 | | | 16 |
| <i>Turdoides squamiceps</i> | ILT | CC 10151 | 13-06 | 13-09 | 1 | 8200 | | Observed. | 16 |
| <i>Locustella naevia</i> | SFH | V 365756 | 03-10 | 04-09 | 4 | 2441 | | | 52 |
| <i>Locustella luscinioides</i> | ESI | 58354 | 07-03 | 07-05 | 3 | 8200 | | | 58 |
| <i>Acrocephalus</i> | ESM | R 4560 | 06-11 | 08-04 | 4 | 1100 | | | 58 |
| <i>Acrocephalus</i> | SFH | V 334186 | 08-00 | 08-00 | 3 | 8200 | | | 50 |
| <i>Acrocephalus dumetorum</i> | SFH | J 680164 | 06-10 | 07-09 | 4 | 8200 | | | 52 |
| <i>Acrocephalus palustris</i> | GBT | A 205110 | 08-00 | 09-00 | 4 | 8290 | | Male, colour mark record, seen each year 1988-92. | 4 74 |

| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
|--------------------------------|-----|----------|-------|-------|---|------|---|---|-------|
| <i>Acrocephalus scirpaceus</i> | GBT | B 012030 | 12-09 | 12-10 | 2 | 8200 | | Female, controlled with brood patch, retrapped in three years. | 53 74 |
| <i>Acrocephalus stentoreus</i> | ILT | B 23675 | 09-07 | 10-07 | 3 | 8200 | | | 16 |
| <i>Acrocephalus</i> | DDH | 80532535 | 08-11 | 10-00 | 4 | 8200 | | | 31 |
| <i>Hippolais pallida</i> | ILT | X 25508 | 07-11 | | | 8200 | | | 16 |
| <i>Hippolais polyglotta</i> | ESM | M 36622 | 07-08 | 08-10 | 4 | 8200 | | | 58 |
| <i>Hippolais icterina</i> | DFH | 9G 77549 | 09-01 | 10-10 | 4 | 2100 | | | 6 |
| <i>Sylvia nisoria</i> | SVS | 2310578 | 10-10 | 11-11 | 4 | 8200 | | Male. | 1 |
| <i>Sylvia curruca</i> | SVS | 1489573 | 05-11 | 06-10 | 4 | 8200 | | Male. | 1 |
| <i>Sylvia communis</i> | GBT | AS 77162 | 07-07 | 08-08 | 4 | 2190 | + | Male. | 74 |
| <i>Sylvia borin</i> | DFH | 0393985 | 13-03 | 14-02 | 4 | 2100 | | | 6 |
| <i>Sylvia atricapilla</i> | DFH | 9M 68522 | 11-03 | 11-04 | 2 | 2100 | | | 6 |
| <i>Phylloscopus sibilatrix</i> | DFH | AL 5318 | 10-03 | 10-03 | 1 | 7200 | | | 6 |
| <i>Phylloscopus collybita</i> | ESI | 2825 | 05-09 | 06-02 | 2 | 7200 | | | 58 |
| <i>Phylloscopus trochilus</i> | DDH | 90007848 | 10-01 | 10-03 | 2 | 2010 | | | 42 |
| <i>Regulus regulus</i> | GBT | 1J2877 | 04-09 | 05-01 | 3 | 1440 | | Male, hit glass = window. | 53 74 |
| <i>Muscicapa striata</i> | SFH | J 978561 | 11-01 | 11-00 | 1 | 2610 | | Taken by cat. | 27 |
| <i>Ficedula albicollis</i> | DFR | K 265662 | 07-10 | 07-11 | 1 | 7200 | | | 2 |
| <i>Ficedula hypoleuca</i> | SFH | J 208787 | 08-05 | 08-05 | 1 | 2200 | | Killed in Guinea. | 13 |
| <i>Panurus biarmicus</i> | GBT | E 296078 | 06-04 | 06-05 | 3 | 8200 | | Male, controlled twice more at finding place. | 4 74 |
| <i>Turdoides squamiceps</i> | ILT | CC 10151 | 13-06 | | | | | Observed. | 16 |
| <i>Aegithalos caudatus</i> | DKC | 9398461 | 09-10 | 10-09 | 4 | 8200 | | Controlled four different years. | 73 |
| <i>Parus palustris</i> | SVS | AC 18265 | 11-05 | 11-11 | 4 | 2640 | + | Ring found in pellet of <i>Glauucidium passerinum</i> , taken between april and september 11 years after ringing. | 30 |
| <i>Parus montanus</i> | GBT | JE 10783 | 10-04 | 11-04 | 4 | 8200 | | | 74 |
| <i>Parus cinctus</i> | SFH | J 959031 | 08-11 | 08-11 | 1 | 8200 | | | 28 |
| <i>Parus cristatus</i> | SFH | J 951734 | 10-09 | 11-07 | 4 | 8200 | | | 32 |
| <i>Parus ater</i> | GBT | KB 35969 | 08-09 | 09-04 | 4 | 8200 | | . | 67 74 |
| <i>Parus caeruleus</i> | GBT | JJ 00360 | 12-03 | 14-07 | 6 | 1460 | | Dead, entered building (age of corpse not stated). | 67 74 |
| <i>Parus major</i> | DFH | 9222933 | 14-11 | 15-05 | 4 | 2010 | | | 6 |
| <i>Sitta europaea</i> | HES | 271514 | 08-10 | 09-04 | 2 | 8200 | | | 2 |
| <i>Sitta neumayer</i> | ILT | B 10155 | 04-11 | 06-00 | 4 | 8200 | | | 16 |
| <i>Certhia familiaris</i> | GBT | 3B6601 | 07-11 | 08-01 | 3 | 8200 | | | 51 74 |
| <i>Certhia brachydactyla</i> | HES | 377457 | 04-03 | 04-08 | 2 | 2010 | | | 55 |
| <i>Remiz pendulinus</i> | SVS | AC 43445 | 06-08 | 06-08 | 1 | 8200 | | Nesting male. | 30 |
| <i>Nectarinia osea</i> | ILT | Z 36034 | 03-11 | | 4 | 8200 | | | 16 |
| <i>Lanius collurio</i> | SFH | P 466455 | 07-09 | 07-09 | 1 | 2100 | | | 72 |
| <i>Lanius excubitor</i> | DFH | 7361132 | 06-06 | 06-06 | 1 | 2010 | | | 6 |
| <i>Lanius senator</i> | DFH | 7367101 | 05-08 | 05-08 | 1 | 2410 | | | 6 |
| <i>Lanius nubicus</i> | ILT | | 04-04 | | | 2010 | | | 16 |
| <i>Garrulus glandarius</i> | SVG | C 37195 | 16-10 | 16-10 | 1 | 2431 | + | | 1 |
| <i>Perisoreus infaustus</i> | SFH | B 89217 | 17-10 | 17-11 | 1 | 8200 | | | 7 |
| <i>Pica pica</i> | GBT | ED 45304 | 15-00 | 15-00 | 1 | 2500 | + | Found with broken wing, bird brought to BTO. | 68 74 |
| <i>Nucifraga caryocatactes</i> | SVS | 5096906 | 15-09 | 16-03 | 2 | 8200 | | | 30 |
| <i>Corvus monedula</i> | DKC | 608653 | 19-11 | 19-11 | 1 | 2400 | | | 73 |
| | SVS | 6066625 | 19-06 | 19-08 | 3 | 2500 | + | | 30 |

| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
|--|-----|----------|-------|-------|---|------|---|--|-------|
| <i>Corvus frugilegus</i> | GBT | FS 21792 | 19-08 | 20-06 | 5 | 2100 | + | | 10 |
| <i>Corvus corone</i> | DKC | 485110 | 16-10 | 16-11 | 1 | 2010 | + | | 73 |
| <i>Corvus corax</i> | SFH | D 21783 | 20-04 | 20-05 | 1 | 1110 | | | 52 |
| <i>Sturnus vulgaris</i> | DKC | 8552412 | 22-11 | 22-11 | 1 | 2010 | + | Controlled at finding place also 2 years after ringing. | 73 |
| <i>Passer domesticus</i> | DKC | 9412172 | 19-05 | 19-09 | 3 | 2010 | + | Female. | 73 |
| <i>Passer montanus</i> | FRP | 417586 | 12-08 | 13-01 | 2 | 2010 | | | 5 |
| <i>Passer moabiticus</i> | ILT | A 3945 | 06-11 | 07-03 | 3 | 1010 | | | 16 |
| <i>Fringilla coelebs</i> | NLL | F 19734 | 13-08 | 14-00 | 2 | 2010 | | | 2 |
| <i>Fringilla montifringilla</i> | SVS | 2197911 | 14-02 | 14-08 | 4 | 8200 | | Male. | 1 |
| <i>Serinus serinus</i> | ESI | 66617 | 07-03 | 07-03 | 2 | 8200 | | | 58 |
| <i>Serinus syriacus</i> | ILT | X 82646 | 05-11 | 06-11 | 4 | 1010 | | | 16 |
| <i>Carduelis chloris</i> | DFH | 8332527 | 11-02 | 11-07 | 2 | 2500 | | Found sick. | 6 |
| <i>Carduelis carduelis</i> | DFH | 8719527 | 10-11 | 11-09 | 4 | 8200 | | | 6 |
| <i>Carduelis spinus</i> | SUM | S 730968 | 13-03 | 13-06 | 3 | 8200 | | Male. | 29 |
| <i>Carduelis cannabina</i> | FRP | 1192972 | 09-04 | 09-05 | 3 | 2010 | | | 5 |
| <i>Carduelis flammea</i> | GBT | C 650722 | 08-05 | 08-08 | 3 | 2010 | + | Male, freshly dead found. | 53 74 |
| <i>Loxia curvirostra</i> | SVS | YL 2605 | 05-10 | 06-10 | 4 | 2100 | | | 1 |
| <i>Carpodacus erythrinus</i> | SFH | P 81988 | 08-11 | 08-11 | 1 | 8280 | | Female. | 52 |
| <i>Pyrrhula pyrrhula</i> | DFH | 8983918 | 12-04 | 12-07 | 2 | 2010 | | | 6 |
| <i>Coccothraustes coccothraustes</i> | DFH | 7241335 | 11-10 | 12-07 | 4 | 2010 | | | 6 |
| <i>Plectrophenax nivalis</i> | GBT | VC 96613 | 06-00 | 06-07 | 4 | 8290 | | Female, colour mark record. | 53 74 |
| <i>Emberiza citrinella</i> | DFH | 80438231 | 12-07 | 13-00 | 2 | 2640 | | Tot, erbeutet. | 6 |
| <i>Emberiza hortulana</i> | SFH | K 518926 | 04-06 | 04-07 | 3 | 1100 | | Male. | 52 |
| <i>Emberiza hortulana</i> | NOS | E 311117 | 04-11 | 05-10 | 4 | 8200 | | Male. | 77 |
| <i>Emberiza aureola</i> | SFH | P 105089 | 06-11 | 06-11 | 1 | 8200 | | Female. | 52 |
| <i>Emberiza schoeniclus</i> | NLA | S 9774 | 10-07 | 11-03 | 4 | 2200 | | | 2 |
| <i>Emberiza melanocephala</i> | ILT | B 71121 | 09-00 | 10-00 | 4 | 8200 | | | 16 |
| <i>Miliaria calandra</i> | ESM | Y 5823 | 09-10 | 09-10 | 1 | 2100 | | | 57 |

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