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Blue Eared-Pheasant *Crossoptilon auritum*

Breeding 1933 388-389. Early importations 1930 145; 1933 423-425; 1947 142.
Notes 1930 144-145; 1933 222-224,385; 1937 42-43. Sexing 1976 39-50b/w.
Story of 1957 52-57; 1958 1-2*.

Cheer Pheasant *Catreus wallichii*

Bred in America 1936 123. Captive status 1985 106. Previous breeding record 1936 93. Reintroduced to wild 1979 230; 1989 46. Successful breeding 1936 27-29.

Elliot's Pheasant *Syrmaticus ellioti*

1940 187-188; 1962 1-2*. Captive status 1985 105.

Hume's Bar-tailed Pheasant *Syrmaticus humiae*

Breeding 1963 22-23. Captive status 1985 105.

Mikado Pheasant *Syrmaticus mikado*

1938 331*. Bred 1915 265-266*; 1936 126; 1940 191. Captive status 1985 104-105.

COPPER PHEASANTS

Bred at Leckford 1940 218.

Soemmerring's Copper Pheasant *Syrmaticus soemmerringii soemmerringii*

Bred 1932 7.

Scintillating Copper Pheasant, Glittering Copper Pheasant *Syrmaticus soemmerringii scintillans*

1936 151-152*.

Ijima Copper Pheasant *Syrmaticus soemmerringii ijimae*

1937 95*. Breeding 1967 8-9.

Reeves' Pheasant *Syrmaticus reevesii*

In Australia 1929 302-304. Longevity, twenty-seven years 1963 133. Pheasant and Jay 1911 81. Wild 1940 209.

Common Pheasant *Phasianus colchicus*

Aberrant plumages in covert pheasants 1961 21-25b/w. About Blacknecks 1947 133. Curious behaviour of hen 1932 12-13. History of introduction to UK 1937 99-103,188-194b/w. Mutant pheasant 1932 233-235*. Notes 1949 221-222; 1990 43-50. Possible origin source of melanism 1932 131,167,230. Reversion of mutant 1929 195. The Royal pheasant 1910 227b/w. Wild 1917 310. Wild game pheasant 1943 110-111.

Green Pheasant, Versicolor Pheasant *Phasianus colchicus versicolor*, *Phasianus versicolor*

Early import record 1947 19. Note 1939 203. Where are they? 1939 142,172.

Golden Pheasant *Chrysolophus pictus*

At Sydney Show 1965 184-186. Cock brooding 1958 124. Dark Golden Pheasant 1935 19-21. Introduced 1987 232-233. Mutations of 1963 23-25. New mutation 1957 190-191b/w. Notes 1949 221-225. Variation 1905 102-106,143-144. Yellow-banded 1966 33. Yellow Golden Pheasant 1965 36. *1947 113.

Lady Amherst's Pheasant *Chrysolophus amherstiae*

1949 197-198b/w*. Display 1912 237*. Experiences with 1937 329. Introduced 1987 233-234. Longevity, twenty-one years 1963 132. Note 1960 131b/w. Sexing young birds 1901 107. The mutation *obscurus* 1949 209. Wild in Devon 1960 252.

PEACOCK-PHEASANTS

Breeding data 1973 216. Hong Kong Zoo's breeding record 1980 51.

Bronze-tailed Peacock-Pheasant *Polyplectron chalcurum*

Bred at Clères 1933 35. Imported 1930 308.

Mountain Peacock-Pheasant, Rothschild's Peacock-Pheasant *Polyplectron inopinatum*

Bred 1936 126,363; 1993 104; 1995 75-77. Donation 1992 84.

Germain's Peacock-Pheasant *Polyplectron germaini*

Breeding data 1973 216-218. Commonly bred 1936 124.

Grey Peacock-Pheasant *Polyplectron bicalcaratum*

1940 18-19. Bred 1932 6,101. Breeding data 1973 216-218. Commonly bred 1936 124. Display 1911 229-237b/w; 1912 169b/w. Twelve reared 1972 28.

Malay Peacock-Pheasant *Polyplectron malacense*

Bred 1968 226. Breeding at Bronx Zoo 1977 61-62b/w.

Palawan Peacock-Pheasant *Polyplectron emphanum*

Bred 1930 334; 1940 68. Breeding at Jersey Zoo 1975 8-12b/w. Breeding data 1973 216-218. Breeding record 1933 135. Captive status 1985 109. Display 1939 233-235. Hong Kong Zoo's breeding record 1980 52. Note 1965 12-13.

Crested Argus, Rheinart's Argus *Rheinartia ocellata*

At London Zoo 1928 163. Note 1939 311*. Bred 1932 6; 1937 126; 1945 27. Breeding 1936 176-180b/w. Breeding in Japan 1929 307-309b/w. Captive status 1985 109. Chick escaped when quite large 1940 68,218. Display 1930 212-213b/w; 1932 122-123b/w. Seven imported to Europe 1926 194.

Argus Pheasant *Argusianus argus*

1925 175-179b/w. Bred 1903 216; 1936 129; 1996 140. Gray's Argus *Argusianus argus grayi* imported 1929 326. Keeping and breeding 1977 170.

Congo Peafowl *Afropavo congensis*

Breeding 1961 41-42b/w*; 1979 160-161. Collecting 1951 206-221; 1952 46. Distribution extension 1996 43. In captivity 1942 123-124 (Hatched in Congo) 1949 208b/w. Notes 1965 158; 1968 226.

Pavo

1940 204b/w; 1946 113; 1961 25.

Indian Peafowl, Blue Peafowl *Pavo cristatus*, *Pava cristata*

As pet 1937 21-25. B/w 1940 204.

Black-shouldered Peafowl *Pavo cristatus* mutation *nigripennis*

Notes 1913 330-331.

White Peafowl *Pavo cristatus* mutation

Concerning 1944 10-12. Of Ahmedabad, India 1965 37-39b/w.

Green Peafowl *Pavo muticus*

Bred 1957 138; 1961 171. Captive status 1985 108-109. Recolonising 1996 142.
White mutation 1975 73.

GROUSE

1930 96. Expedition to Alaska in search of grouse and ptarmigan 1970 195b/w.
Grouse exported to New Zealand 1920 56. Grouse of North America 1906 267.
Keeping Western Capercaillie *Tetrao urogallus*, Black Grouse *Tetrao tetrix* and
Red Grouse *Lagopus lagopus scoticus* 1937 27b/w.
HYBRIDS: Black Grouse *Tetrao tetrix* x Red Grouse *Lagopus lagopus scoticus*
1904 300 (Hatched).

Blue Grouse *Dendrogaopus obscurus*

Note 1923 107; 1990 94. Photographing 1923 63.

Willow Ptarmigan, Willow Grouse *Lagopus lagopus lagopus*

Bred 1909 294. Notes on 1909 252-255; 1970 196-197. Reared from wild eggs
1955 328.

Red Grouse *Lagopus lagopus scoticus*

Aggressive male 1997 187. In confinement 1912 92-96. Reared under bantam
1933 131. Rearing in captivity 1969 256-261b/w.

Rock Ptarmigan *Lagopus mutus*

Notes on 1909 55b/w; 1910 349-353. Rearing in captivity 1969 256-261b/w.

Black Grouse *Tetrao tetrix*

Early breeding records 1933 131; 1937 59. Reared from wild eggs 1972 179.

Western Capercaillie *Tetrao urogallus*

At home 1913 236-237. Bred 1906 286; 1993 48. Hatched 1909 148. In captivity
1953 43-45b/w. In Upper Tweeddale 1933 207-208 (Introduced). Introduced 1987
234-235. Introduction into Dawyck, Scotland 1940 197. Keeping 1978 174-175.
Rearing 1955 288-290b/w.

Hazel Grouse *Bonasa bonasia*

Query as to treatment 1910 77-78.

Prairie-Chicken, Prairie Chicken *Tympanuchus cupido*

Breeding the Pinnated Prairie Chicken *Tympanuchus cupido pinnatus* 1967 159-167b/w. Raised from captive laid eggs 1913 371-373.

TURKEYS

1931 11b/w.

HYBRIDS: Turkey *Meleagris gallopavo* x: Domestic Fowl 1934 324; Peahen 1934 324.

Wild Turkey *Meleagris gallopavo*

Quest for Mexican wild turkey 1925 143-147. Wild turkey of America 1906 267.

Ocellated Turkey *Agriocharis ocellata*

1917 112-115b/w; 1937 271-272b/w; 1941 43-46b/w; 1941 101-102b/w; 1942 122-123. At London Zoo 1909 358. Bred 1947 193; 1952 170; 1954 39. Breeding 1940 218; 1952 148-150; 1954 122-125b/w.

GUINEAFOWLS

Numididae

1931 13. Of Gambia 1923 169.

HYBRIDS: 1929 255.

White-breasted Guineafowl *Agelastes meleagrides*

Request for information 1983 186.

Helmeted Guineafowl *Numida meleagris*

1923 169-170. Breeding the Abyssinian Helmeted Guineafowl 1929 3-4.

Kenya Guineafowl, Kenya Crested Guineafowl *Guttera pucherani pucherani*

Bred 1940 6; 1950 186. Breeding 1912 35-37.

Verreaux's Crested Guineafowl, Crested Guineafowl *Guttera pucherani*

edouardi, *Guttera edouardi edouardi*

1907 365-368b/w; 1923 170-171. Bred 1991 12. Breeding 1996 12-14. Breeding record 1933 135-136.

Vulturine Guineafowl *Acryllium vulturinum*

1915 297-298b/w; 1931 16b/w. Bred 1929 4; 1933 427. Breeding 1969 24-26b/w (Breeding records). Forty reared 1963 257. Reared to six weeks 1931 57.

NEW WORLD QUAILS
(AMERICAN QUAILS AND PARTRIDGES)
Odontophoridae

Dendrortyx

1961 13.

Long-tailed Wood Partridge *Dendrortyx macroura*

Bred 1977 51.

AMERICAN QUAILS

Hatching Plumbeous Quail 1922 140. Quails 1912 78; 1930 50; 1979 216b/w.

HYBRIDS: 1918 111; 1930 64; 1961 12; 1962 15. Scaled Quail *Callipepla squamata* x Gambel's Quail *Callipepla gambelii*, *Lophortyx gambelii* 1953 105.

Mountain Quail *Oreortyx pictus*

1961 14-15. Breeding 1938 275.

Scaled Quail *Callipepla squamata*

Bred 1906 117-118; 1913 39-40. Note 1961 17-18. Serious decline 2001 49. B/w 1979 219.

Elegant Quail, Douglas's Quail *Lophortyx douglasii*

Bred 1912 342-343; 1947 163. Note 1961 16-17.

Californian Quail *Callipepla californica*, *Lophortyx californicus*

1909 145-147b/w; 1964 1-2*. Bred 1901 81; 1902 136-140b/w,148; 1927 87-88; 1937 307. Cock brooding 1930 274-277. Introduced to Tahiti 1940 169. Note 1961 15-16. B/w 1979 219.

Gambel's Quail *Callipepla gambelii*, *Lophortyx gambelii*

Bred 1920 193; 1921 107. Note 1961 16. B/w 1979 218.

Banded Quail *Philortyx fasciatus*

Nesting of American Barred Partridge (Eggs) 1928 46-47. Note 1961 18.

Colinus

1962 15.

Northern Bobwhite *Colinus virginianus*

American Bobwhite 1906 164-167. Behavioural aspects 1975 163-168b/w; 1979 218b/w. Serious decline 2001 49. *Colinus virginianus cubanensis*: Breeding Cuban Colin 1911 369. Breeding Cuban Tree Quail 1931 67-69. *Colinus virginianus pectoralis*: Breeding Mexican Black-breasted Quail 1918 114-116b/w. *Colinus virginianus ridgwayi*: 1984 123.

Black-throated Bobwhite *Colinus nigrogularis*

Bred 1912 343.

Spot-bellied Bobwhite, White-cheeked Bobwhite *Colinus cristata leucopogon*
Bred 1911 5.

Odontophorus
1962 17.

Marbled Wood Quail *Odontophorus gujanensis*
Bred 1930 25. Breeding record 1933 136.

Spot-winged Wood Quail *Odontophorus capueira*
Bred 1964 178; 1966 28. Observations on breeding 1970 1-2*.

Singing Quail *Dactylortyx thoracicus*
1962 18.

Montezuma Quail, Massena Quail *Cyrtonyx montezumae*
1962 18-19. Bred 1918 111-113.

Ocellated Quail *Cyrtonyx ocellatus*
1962 19.

Tawny-faced Quail *Rhynchortyx cinctus*
1962 18.

SCREAMERS *Anhimidae*

Notes 1920 164. San Diego breeding records 1959 55.

HYBRIDS: Crested Screamer, Southern Screamer *Chauna torquata* x Northern Screamer, Black-necked Screamer *Chauna chavaria* 1959 55. Northern Screamer, Black-necked Screamer *Chauna chavaria* x Crested Screamer, Southern Screamer *Chauna torquata* 1952 170b/w.

Horned Screamer *Anhima cornuta*
Breeding at San Diego Zoo 1956 127-128; 1957 97-99*. Note 1927 308.

Northern Screamer, Black-necked Screamer *Chauna chavaria*
1957 55. Hatched 1959 27-28.

Crested Screamer, Southern Screamer *Chauna torquata*
At Slimbridge 1964 226. Bred 1959 55; 1968 63. Breeding records 1964 226; 1968 88. Hatched 1904 301; 1913 313b/w. Note 1920 190-191. B/w 1955 319.

MAGPIE GOOSE *Anseranatidae*

Magpie Goose *Anseranas semipalmata*

1910 93-94b/w. Bred 1946 198; 1957 60; 1991 96-97.

WHISTLING DUCKS (TREE DUCKS)

Dendrocygnidae

1928 43; 1942 94. Breeding in America 1940 155. Breeding Whistling-Ducks 1957 23. Full-winged 1944 90. Hardiness 1931 146.

HYBRIDS: Eyton's Tree Duck, Plumed Tree Duck, Plumed Whistling Duck, *Dendrocygna eytoni* x Fulvous Whistling Duck, Fulvous Tree Duck *Dendrocygna bicolor* 1940 67.

Spotted Whistling Duck, Spotted Tree Duck *Dendrocygna guttata*

At Clères 1936 5. Bred 1960 68b/w.

Plumed Whistling Duck, Eyton's Tree Duck, Plumed Tree Duck *Dendrocygna eytoni*

Bred 1967 193-194; 1968 52b/w,70. Note 1941 141-142.

Fulvous Whistling Duck, Fulvous Tree Duck *Dendrocygna bicolor*

Incubation period 1962 69. "Reared over sixty this year" 1940 5.

Wandering Whistling Duck, Wandering Tree Duck *Dendrocygna arcuata*

Bred 1957 60.

Lesser Whistling Duck, Indian Tree Duck *Dendrocygna javanica*

1962 69.

White-faced Whistling Duck, White-faced Tree Duck *Dendrocygna viduata*

Bred 1914 334; 1948 200-201.

West Indian Whistling Duck, Cuban Tree Duck *Dendrocygna arborea*

Bred 1940 218. Bred at Lilford 1934 240. Breeding record 1938 119.

Black-bellied Whistling Duck, Red-billed Tree Duck *Dendrocygna autumnalis*

Bred 1932 47; 1955 29 (Southern Red-billed Whistling Duck *Dendrocygna autumnalis discolor*). Breeding record 1933 102. Free-winged 1973 72.

White-backed Duck *Thalassornis leuconotus*

1948 199-200; 1965 16-20b/w. At Foxwarren 1931 192. Bred 2002 140. Breeding 1933 261-262; 1934 168; 1941 142-143. Hatched 1931 349-350. Note 1936 37.

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Anatidae

Anatidae

1896 112; 1945 93. Australian waterfowl in Adelaide Zoo 1939 80,172. Capturing waterfowl in Africa 1934 97b/w. Chilean waterfowl 1947 200. Comparative

studies on behaviour 1951 157b/w; 1952 9b/w,61b/w,86b/w; 1953 24b/w,80b/w.
 Experiences in waterfowl 1939 105. Fascination of keeping waterfowl 1939 65.
 Hand List of the Order *Anseriformes* 1975 221 (Comment on 1976 114).
 Hardiness of certain waterfowl in Pennsylvania 1951 58. Hatching waterfowl eggs
 by incubator 1975 177,235; 1976 60. 30. In-breeding in waterfowl 1959 30,59,95.
 Keeping free-winged waterfowl 1973 70. Keeping of waterfowl 1913 258b/w.
 Pacific waterfowl 1943 67. Peruvian waterfowl 1939 259. Preservation of
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 Rearing waterfowl 1952 141. Recoveries 1950 269; 1951 65,108; 1953 39,111,
 144; 1954 96; 1955 42. Reflections on poor hatchability of waterfowl eggs at
 Wildfowl Trust 1983 210. Remains of extinct flightless duck found 1996 94.
 Ringing Scheme 1949 180. Tackling locust plague 2000 137. Thoughts about
 waterfowl 1942 90. UK First Breeding Records 1983 218. Vent sexing and
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 Acuaria 1974 59. Waterfowl as aviary birds 1947 212. Waterfowl at St. Stephen's
 Green, Dublin 1910 54. Waterfowl breeding in America 1951 24. Waterfowl
 collections in the NE United States 1946 170. Waterfowl egg data 1970 52.
 Waterfowl in confinement in America 1939 73. Waterfowl in London Zoo 1939
 86b/w. Waterfowl in Wildfowl Trust Collections 1955 31. Waterfowl notes 1936
 227b/w. Waterfowl Registry and Census 1946 167*; 1947 30; 1948 623.
 Waterfowl reminiscences 1947 225. Waterfowl Special Issues: 1939 March; 1940
 June; 1941 July/August; 1942 May/June; 1943 May/June; 1944 July/August; 1945
 July/August; 1946 September/October; 1947 November/December; 1948
 November/December; 1951 September/October.
 HYBRIDS: Hybrid waterfowl bred at Slimbridge 1955 30. Mutations and hybrids
 1997 147. Some hybrid waterfowl 1955 207. Unusual duck hybrids 1993 35b/w.

Oxyura

1943 73.

North American Ruddy Duck *Oxyura jamaicensis*

1974 132-135b/w. Bred 1947 216. Display and breeding 1938 104-105. Feral
 population 1976 112. Incubation period 1961 202. Introduced 1987 238. Mutation
 1999 113*. Rearing 1974 237. Threat to White-headed Duck *Oxyura*
leucocephala 1993 122-123; 1994 177. UK cull 1999 43.

White-headed Duck *Oxyura leucocephala*

Bred 1974 74. Eggs to Hungary 1985 174. Fertile eggs laid at ten months old 1975
 232. Notes on keeping 1961 160-161b/w. Threat from Ruddy Duck *Oxyura*
jamaicensis 1993 122-123.

Maccoa Duck *Oxyura maccoa*

1965 16-20b/w. Bred 1975 53.

Argentine Ruddy Duck, Lake Duck *Oxyura vittata*

Bred 1968 228.

Blue-billed Duck *Oxyura australis*

1980 44-45. Rearing 1980 84.

Musk Duck *Biziura lobata*

1910 94-95b/w; 1939 84-85; 1946 181-182. Newly imported pair 1939 107-109.
Rearing 1980 83-84b/w.

Black-headed Duck *Heteronetta atricapilla*

Bred at Slimbridge 1977 171. Hand-raising from wild eggs 1974 165-168b/w.

Freckled Duck *Stictonetta naevosa*

1965 151b/w; 1980 45; 1988 176. Bred 1993 103. Breeding 1994 52. First captive breeding 1987 111. Five pairs to the USA 1996 94. Wild census 1983 236.

SWANS

1948 180,218b/w. Nesting Swans 1947 206.

HYBRIDS: Black Swan *Cygnus atratus* x: Canada Goose *Branta canadensis* 1933 100; Mute Swan *Cygnus olor* 1933 100; 1927 203; 1928 50. Trumpeter Swan *Cygnus buccinator* x Mute Swan *Cygnus olor* 1933 100. Whooper Swan *Cygnus cygnus* x: Trumpeter Swan *Cygnus buccinator* 1933 100; Whistling Swan *Cygnus columbianus columbianus* 1933 100.

Mute Swan *Cygnus olor*

A sociable cygnet 1906 196-198. At Abbotsbury 1913 344b/w; 1998 18-22.
Memory of 1956 153-154. On Lake Geneva 1929 169b/w. On Thames 1949 38.
Prolific swans 1926 198. Wild swans of Erin 1946 189b/w.

Black Swan *Cygnus atratus*

A prolific 1936 339-340; 1947 206-208. Note 1968 52. Pair presented to Queen Elizabeth of Belgium 1949 154.

Black-necked Swan *Cygnus melanocorypha*

1963 48-50; 1947 208b/w; 1968 52. Bred 1931 100. Breeding 1964 154. Grass under tongue 1916 50-51b/w. Reared for twenty years 1947 99.

Whooper Swan *Cygnus cygnus*

Bred 1938 106. Breeding in America 1935 149. Breeding record 1913 315.
Nesting in captivity 1904 333 (Bred). Note 1947 208-209.

Trumpeter Swan *Cygnus buccinator*

At Berlin Zoo 1964 29-30. At Lonesome Lake, Canada 1951 185b/w. Bred 1959 181; 1965 21; 1966 30; 1972 148. Fate of 1944 127-132b/w; 1947 215-216. Note 1927 219b/w. Paying a Royal visit 1951 186-187b/w. Wild 1969 147.

Whistling Swan *Cygnus columbianus columbianus*

Tragedy at Niagara Falls 1909 92-93.

Bewick's Swan *Cygnus columbianus bewickii*

Bred at: Bently 1972 46-47; Slimbridge 1956 27-28; Woburn 1933 100.
Longevity, breeding at twenty-six years old 1975 54.

Coscoroba Swan *Coscoroba coscoroba*

1953 35. Bred 1914 53; 1955 28; 1968 52. "Sabina" 1931 62-63.

GEESE

1927 29-30b/w. American geese 1934 296. Artificial nests 1943 55b/w; 1944 75b/w. Colour variation of wild geese 1917 55. Essentials of keeping and breeding geese 1943 64. Keeping geese 1940 153. Notes on South American geese 1932 201b/w. Tameness of geese 1913 139b/w.

HYBRIDS: Andean Goose *Chloephaga melanoptera* x Egyptian Goose *Alopochen aegyptiacus* 1946 196. Barnacle Goose *Branta leucopsis* x: Bar-headed Goose *Anser indicus* 1976 216; Chinese Goose (Domestic) 1933 102; Emperor Goose *Anser canagica* 1976 216; Lesser White-fronted Goose *Anser erythropus* 1933 102; Snow Goose *Anser caerulescens* 1940 4. Blue-winged Goose *Cyanochen cyanopterus* x Egyptian Goose *Alopochen aegyptiacus* 1946 197. Canada Goose *Branta canadensis* x Chinese Goose (Domestic) 1956 196. Egyptian Goose *Alopochen aegyptiacus* x: Bar-headed Goose *Anser indicus* 1976 216; Orinoco Goose *Neochen jubata* 1932 205; Ross's Goose *Anser rossii* 1932 8. Lesser White-fronted Goose *Anser erythropus* x Barnacle Goose *Branta leucopsis* 1976 220. Ne-Ne, Hawaiian Goose, Nene *Branta sandvicensis* x Chinese Goose (Domestic) 1933 102. Orinoco Goose *Neochen jubata* x Egyptian Goose *Alopochen aegyptiacus* 1933 101. Pacific Brent Goose, Black Brant Goose *Branta bernicla orientalis* x Cackling Canada Goose *Branta canadensis minima* 1976 216. Pink-footed Goose *Anser brachyrhynchus* x Hutchin's Canada Goose *Branta canadensis hutchinsii* 1935 117. Shelduck *Tadorna tadorna* x Egyptian Goose *Alopochen aegyptiacus* 1933 102. Snow Goose *Anser caerulescens* x: Canada Goose *Branta canadensis* 1949 128; Emperor Goose *Anser canagica* 1931 202. Spur-winged Goose *Plectropterus gambensis* x Upland Goose, Magellan Goose *Chloephaga picta* 1933 100. Upland Goose, Magellan Goose *Chloephaga picta* x Egyptian Goose *Alopochen aegyptiacus* 1946 196.

Swan Goose *Anser cygnoides*
Bred 1970 130.

Pink-footed Goose *Anser brachyrhynchus*
Breeding 1944 84-85; 1958 94-98; 1960 117-121; 1962 54-58; 1965 122-127b/w.
Breeding records 1954 183. In Royal Parks 1955 253-259b/w.

Bean Goose *Anser fabalis*
Death of famous goose (*Anser neglectus*) 1940 140-141.

White-fronted Goose, Greater White-fronted Goose *Anser albifrons albifrons*
Strange nesting behaviour 1946 184-186b/w.

Greenland White-fronted Goose *Anser albifrons flavirostris*
Longevity, twenty years 1972 212.

Lesser White-fronted Goose *Anser erythropus*
Breeding 1919 129-130.

Greylag Goose *Anser anser anser*
Colour variations 1918 55. Introduced 1987 237-238. Note 1935 258. Reared from imported eggs 1918 53-54b/w. Tameness 1913 139,183b/w.

Eastern Greylag Goose *Anser anser rubrirostris*
1944 79.

Snow Goose *Anser caerulescens*

1942 80b/w. Blue Snow Goose and Lesser Snow Goose 1936 223b/w. Breeding record 1933 101. Breeding the Blue Snow Goose 1928 114-116. Colour variations 1944 89. Egg-eating 1969 23-24. Perching in trees 1916 263. Semi-albino 1979 5b/w.

Ross's Goose *Anser rossii*

Bred 1938 106; 1942 82b/w. Hatched 1903 240-241; 1918 300. Leucistic 1965 62.

Emperor Goose *Anser canagica*

Breeding at Gooilust 1916 277-279b/w. Note 1948 197-198.

Ne-Ne, Hawaiian Goose, Nene *Branta sandvicensis*

1943 68-69b/w; 1953 35; 1954 114-115b/w; 1957 195; 1959 38-39; 1972 149.
Bred 1974 116. Bred at Knowsley 1947 8. Breeding 1967 86-88; 1968 110.
Breeding record 1933 102. Early history 1949 230. Longevity, forty-two years old 1947 99. Forty-three bred 1996 94. In Europe 1949 130-131. In Hawaii 1951 39-41b/w. In the 1980's 1985 102-103. Present status 1947 229-230.

CANADA GEESE

Breeding a sport Canada goose 1928 138. Synthetic Canada geese 1942 83b/w.

Atlantic Canada Goose *Branta canadensis canadensis*

Bred frequently 1933 101. Introduced 1987 237.

Cackling Canada Goose *Branta canadensis minima*

Breeding 1939 102-103.

Tundra Goose, Aleutian Canada Goose *Branta canadensis leucopareia*

Breeding 1967 12b/w. Conserving 1985 160.

Richardson's Canada Goose, Baffin Island Canada Goose *Branta canadensis hutchinsii*

Bred at Woburn 1910 36.

Giant Canada Goose *Branta canadensis maxima*

Rediscovery 1963 214.

Barnacle Goose *Branta leucopsis*

Free-winged 1973 72. Queer behaviour 1951 189.

Pacific Brent Goose, Black Brant Goose *Branta bernicla orientalis*

Bred 1959 37-38. Breeding 1967 43-44b/w.

Red-breasted Goose *Branta ruficollis*

1917 213-214*; 1937 325; 1940 161; 1941 113-115*. Bred 1926 321. Breeding 1927 65-66. Hand-raising 1947 224. Large clutch 1962 178. On Egyptian monuments 1906 81; 1927 66b/w. Partly albinistic 1973 16. Record number counted 1993 216.

Cape Barren Goose, Cereopsis Goose *Cereopsis novaehollandiae novaehollandiae*

1937 166-167b/w; 1994 51. Bred 1968 226. Bred at Knowsley 1947 18. Bred regularly 1931 197-198. Compatibility 1994 51. Double-brooded 1907 77. Incubating 1909 176. Management 1993 152-157b/w. Studbook 1996 144.

Recherche Island Goose *Cereopsis novaehollandiae grisea*

1985 157-159.

Blue-winged Goose *Cyanochen cyanopterus*

1925 169-171. Bred 1927 224. Breeding record 1933 101. Note 1932 203-204.

Andean Goose *Chloephaga melanoptera*

1911 141b/w; 1921 46-47; 1932 202-203; 1939 259-260b/w. Breeding 1933 434-437b/w.

Upland Goose, Magellan Goose *Chloephaga picta*

Antarctic geese 1913 144-149. Bred 1932 47. Female allowing eggs to cool 1934 191. Goslings dying 1917 291.

Kelp Goose *Chloephaga hybrida*

1942 101-102. Bred 1961 191; 1964 179; 1992 196. Colour of Falkland Island geese and their food 1924 86-87; 1939 302-303. For the Wildfowl Trust 1952 220-222.

Ashy-headed Goose *Chloephaga poliocephala*

1932 203b/w.

Ruddy-headed Goose *Chloephaga rubidiceps*

1913 242-244,244-245; 1915 357*; 1932 203b/w.

Orinoco Goose *Neochen jubata*

Bred 1909 38; 1947 18. Breeding record 1934 320. Note 1932 204b/w.

Egyptian Goose *Alopochen aegyptiacus*

Bred 1964 74. Nested in church tower 1967 113.

SHELDUCKS

1928 60.

HYBRIDS: Paradise Shelduck, New Zealand Shelduck *Tadorna variegata* x Ruddy Shelduck *Tadorna ferruginea* 1935 118. Radjah Shelduck *Tadorna radjah* x Ruddy Shelduck *Tadorna ferruginea* 1932 8. Shelduck *Tadorna tadorna* x Egyptian Goose *Alopochen aegyptiacus* 1933 102.

Ruddy Shelduck *Tadorna ferruginea*

1932 205. Breeding at Adelaide Zoo 1948 186-187.

South African Shelduck *Tadorna cana*

Longevity, forty-seven years 1975 231. Young plumage of female 1930 338; 1932 205-206.

Australian Shelduck *Tadorna tadornoides*

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Paradise Shelduck, New Zealand Shelduck *Tadorna variegata*

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Crested Shelduck *Tadorna cristata*

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Common Shelduck, Shelduck *Tadorna tadorna*

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Radjah Shelduck *Tadorna radjah*

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Falkland Steamerduck, Falkland Flightless Steamer Duck, Logger Duck

Tachyeres brachypterus

At London Zoo 1927 245-246b/w. At Slimbridge 1995 13-17*. For the Wildfowl Trust 1952 222,225b/w.

Spur-winged Goose *Plectropterus gambensis*

Bred 1933 362-363b/w; 1961 199.

Muscovy Duck *Cairina moschata*

Spontaneous variations 1913 82-88,106-108. B/w 1941 136.

White-winged Duck, White-winged Wood Duck *Cairina scutulata*

1911 44; 1941 136-137b/w; 143-144; 1956 58; 1972 22-23. At Slimbridge 1973 130; 1975 153-154b/w. Bred 1971 176. Conserving 1985 161. Double-brooded 1975 54. New site found 1996 42. Returned to Thailand 1985 174.

Hartlaub's Duck *Pteronetta hautlaubii*, *Cairina hartlaubii*

1951 156; 1972 22b/w. At Slimbridge 1951 197; 1955 29. Bred 1960 70b/w; 1976 113. Breeding 1991 9-12b/w.

African Comb Duck *Sarkidiornis melanotus melanotus*

Bred 1932 47; 1939 349. Free-winged 1973 72-73. In captivity 1967 197-198b/w. Reared by fosters 1934 30.

South American Comb Duck *Sarkidiornis melanotus carunculatus*
Bred 1957 61.

Indian Pygmy-Goose, Cotton Teal *Nettapus coromandelianus*
1901 128-132; 1914 278-279. Breeding 1984 67-70b/w. Imported 1914 258. In
captivity 1915 269-270. Note 1941 141. Wild in China 1928 167-168.

African Pygmy-Goose *Nettapus auritus*
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Chestnut Teal, Chestnut-breasted Teal *Anas castanea* 1979 164. Chestnut Teal,
Chestnut-breasted Teal *Anas castanea* x Falcated Teal *Anas falcata* 931 209.
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Carolina Duck, Wood Duck *Aix sponsa* 1953 141. Chiloe Wigeon *Anas sibilatrix*
x: European Wigeon *Anas Penelope* 1919 15b/w; Mallard *Anas platyrhynchos*
1953 26. European Wigeon *Anas Penelope* x American Wigeon *Anas americana*
1932 158. Falcated Teal *Anas falcata* x: Chestnut Teal, Chestnut-breasted Teal
Anas castanea 1932 48; Gadwall *Anas strepera* 1933 103; Shoveler *Anas*
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Ringed Teal *Callonetta leucophrys*
1922 40-41. Bred 1914 334; 1915 250-251; 1956 57.

Carolina Duck, Wood Duck *Aix sponsa*

1904 89-94*; 139-140. Behaviour 1953 28-34. Bred at Knowsley 1947 18.
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Mandarin Duck *Aix galericulata*

1929 152-153. At liberty 1912 122; 1931 58; 1959 93; 1966 141; 1973 70-71.
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Maned Goose, Maned Duck *Chenonetta jubata*

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Blue Duck *Hymenolaimus melacorhynchus*

1933 369-370; 1942 89; 1957 164; 1985 51-52b/w; 1991 158-159; 1993 48.

Salvadori's Teal *Salvadorina waigiuenis*, *Anas waigiuenis*

Breeding in New Guinea 1956 89; 1957 36.

Patagonian Crested Duck *Anas specularioides specularioides*

Bred 1965 21-22.

Andean Crested Duck *Anas specularioides alticola*

1939 260; 1948 196-199b/w (Bred).

Bronze-winged Duck, Spectacled Duck *Anas specularis*

Bred 1965 22-23b/w; 1980 53.

Cape Teal *Anas capensis*

Breeding 1940 151-153. Four broods in a year 1969 21. Note 1946 194-195.

Common Gadwall *Anas strepera strepera*

Behaviour 1952 179-184b/w.

Coues's Gadwall *Anas strepera couesi*

1943 67-68.

Falcated Teal, Falcated Duck *Anas falcata*

1901 133. Bred 1917 249-250; 1951 153*.

HYBRIDS: Bred but young were hybrids 1917 96,240.

Eurasian Wigeon *Anas penelope*

1942 61-63*. Behaviour 1953 24-26b/w.

American Wigeon *Anas americana*

Bred 1907 203. Longevity, twenty-two years old 1928 22.

Chiloe Wigeon *Anas sibilatrix*

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African Black Duck *Anas sparsa*

Bred 1955 29. Display 1966 157.

Mottled Duck, Florida Duck *Anas fulvigula*

Bred 1955 29.

Common Mallard *Anas platyrhynchos platyrhynchos*

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Mallards 1937 167. Spontaneous variations 1913 82-88,106-108. Unusual nesting sites 1909 243-244b/w; 1913 82,86; 1997 47.

Greenland Mallard *Anas platyrhynchos conboschas*

Bred 1965 170.

Hawaiian Duck *Anas wyvilliana, Anas platyrhynchos wyvilliana*

1943 69; 1951 42-43; 1951 181. At Litchfield 1959 172-173 (Bred). Bred 1955 29; 1960 69.

Laysan Teal, Laysan Duck *Anas laysanensis, Anas platyrhynchos laysanensis*

1943 68b/w. Population decline 1994 226. Recent history and future 1985 76-78.

Philippine Duck *Anas luzonica*

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Pacific Black Duck, New Zealand Grey Duck *Anas superciliosa superciliosa*

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Pelew Island Grey Duck *Anas superciliosa pelewensis*

At Clères 1963 252. Bred 1965 171. USA breeding programme 1997 142.

Yellow-billed Duck, African Yellowbill *Anas undulata*

Longevity, nearly fifty years old 1966 140 (Corrected to twenty-eight years 175).

Meller's Duck *Anas melleri*

At Jersey Zoo 1994 109. Behaviour 1952 8-9. Bred 1931 349; 1932 8,47. Early breeding record 1933 103.

Blue-winged Teal *Anas discors*

Notes on 1915 249-251b/w.

Cinnamon Teal *Anas cyanoptera*

1911 225-226*; 1914 261-265. Bred 1955 29. Rearing 1951 188-189. *1928 88.

Cape Shoveler *Anas smithii*

Bred 1955 30. Note 1940 138.

Red Shoveler, Argentine Shoveler *Anas platalea*

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Australian Shoveler *Anas rhynchos rhynchos*

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New Zealand Shoveler *Anas rhynchos variegata*

1942 86-87. Bred 1936 5.

Northern Shoveler, Common Shoveler *Anas clypeata*

Behaviour 1952 86-89. Note 1940 137. Shovelers 1940 137.

Bernier's Teal, Madagascar Teal *Anas bernieri*

At Clères 1929 26; 1936 228. At Jersey Zoo 1994 109. Decline in wild population 1993 217.

Sunda Teal *Anas gibberifrons*

1907 315*. Bred 1956 196 (Australasian Grey Teal *Anas gibberifrons gracilis*).

Chestnut Teal *Anas castanea*

Behaviour 1952 89-94b/w. Bred 1939 87.

Flightless Teal, Auckland Island Flightless Teal *Anas aucklandica aucklandica*

1940 147-148; 1985 50.

Campbell Island Teal *Anas aucklandica nesotis*

1985 50; 1993 51.

Brown Teal, New Zealand Brown Teal *Anas aucklandica chlorotis*

1940 142-147b/w; 1985 49-50. Bred 1961 61-62b/w.

Bahama Pintail, White-cheeked Pintail *Anas bahamensis*

Behaviour 1952 63-67b/w.

Red-billed Pintail, Red-billed Duck *Anas erythrorhynchos*

1934 97b/w. Behaviour 1952 67-68.

Chilean Teal *Anas flavirostris flavirostris*

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Sharp-winged Teal *Anas flavirostris oxyptera*
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Northern Pintail *Anas acuta acuta*
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Chilean Pintail, Yellow-billed Pintail *Anas georgica spinicauda*
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Garganey *Anas querquedula*
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Baikal Teal *Anas formosa*
1907 296-297; 1960 165-166. Bred 1959 181; 1960 69. *1928 88; *1946 167.

Common Teal, European Teal *Anas crecca crecca*
Behaviour 1952 172-175b/w. Free-flying 1973 72.

Versicolor Teal, Silver Teal *Anas versicolor versicolor*
1907 317*. Bred 1936 5; 1938 105. Note 1941 142.

Puna Teal *Anas versicolor puna*
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Hottentot Teal *Anas hottentota, Anas punctata*
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Pink-eared Duck *Malacorhynchus membranaceus*
1965 151b/w; 1980 45. Bred 1981 115-116. Rearing 1980 82-83b/w.

Marbled Teal *Marmaronetta angustirostris*
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Pink-headed Duck *Rhodonessa caryophyllacea*
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Rosybill, Rosy-billed Pochard *Netta peposaca* 1931 209.

Red-crested Pochard *Netta rufina*
Bred 1931 191.

Rosybill, Rosy-billed Pochard *Netta peposaca*
Behaviour of male 1948 177-180*.

Southern Pochard *Netta erythrophthalma*
Breeding records 1955 30.

Canvasback *Aythya valisineria*
1929 8; 1970 130.

Ring-necked Duck *Aythya collaris*
1913 23-24*. At London Zoo 1912 37,142b/w. Bred 1941 142.

Ferruginous Pochard, Ferruginous Duck *Aythya nyroca*
1908 86-88. Bred 1970 130.

Madagascar Pochard *Aythya innotata*
Bred 1932 8. Rediscovered 1993 52.

Baer's Pochard *Aythya baeri*
1901 134. Bred 1965 21.

Hardhead, Australian White-Eye Duck *Aythya australis*
Bred 1960 69.

Tufted Duck *Aythya fuligula*
1906 280-282b/w.

New Zealand Scaup *Aythya novaeseelandiae*
1933 355-356; 1940 148-149. Bred 1959 37.

Greater Scaup *Aythya marila*
1925 148-149 (Bred). *1968 68.

Lesser Scaup *Aythya affinis*
Bred 1940 67; 1957 60.

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Harlequin Duck *Histrionicus histrionicus*
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Long-tailed Duck *Clangula hyemalis*
Breeding 1972 1-4b/w. Eclipse plumage 1948 188-194. Notes on moult 1949 59-62.

Black Scoter, Common Scoter *Melanitta nigra*
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In captivity 1938 129. Observed inland 1925 158.

Common Goldeneye, European Goldeneye, Goldeneye *Bucephala clangula*
1914 160-161b/w. Bred 1909 37-38; 1957 60. In captivity 1947 217-223b/w.

Barrow's Goldeneye *Bucephala islandica*
In captivity 1939 100-101 (Bred). *1939 60.

Bufflehead *Bucephala albeola*
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Experiences with keeping 1966 48b/w.

HYBRIDS: Red-breasted Merganser *Mergus serrator* x Goosander *Mergus merganser* 1955 29.

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Laid 1960 70. Rearing 1956 181-182; 1962 166-167; 1964 182-184; 1971 58-65b/w.

Red-breasted Merganser *Mergus serrator*
1914 319-320b/w; 1966 48-50. At Lilford 1944 86. Bred 1955 30. Hand-rearing 1939 103-104. Reared from wild eggs 1932 47.

Scaly-sided Merganser *Mergus squamatus*
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Goosander, Common Merganser *Mergus merganser*
Bred 1957 60; 1966 48-50b/w. Note 1900 10-11 (*Mergus merganser orientalis*).

Auckland Islands Merganser *Mergus australis*
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1930 16. Three species new to South Australian aviculture 1956 148.

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Yellow-legged Buttonquail *Turnix tanki*

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Barred Buttonquail, Bustard Quail *Turnix suscitator*

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Madagascar Buttonquail *Turnix nigricollis*

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Black-breasted Buttonquail *Turnix melanogaster*

1956 149. Bred 1957 110.

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Red-chested Buttonquail *Turnix pyrrhothorax*

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Black-cheeked Woodpecker *Melanerpes pucherani*

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Downy Woodpecker *Picoides pubescens*

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Black-backed Woodpecker *Picoides arcticus*
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Helmeted Woodpecker *Dryocopus galeatus*
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Black Woodpecker *Dryocopus martius*
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Eurasian Green Woodpecker *Picus viridis*
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Red-throated Barbet, Gaudy Barbet *Megalaima mystacophanos*
Bred 1998 150.

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Black-browed Barbet, Muller's Barbet, Oort's Barbet *Megalaima oorti*

Imported 1930 398; 1939 211-212.

Golden-throated Barbet *Megalaima franklinii*

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Blue-throated Barbet *Megalaima asiatica*

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White-eared Barbet *Stactolaema leucotis*

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Speckled Tinkerbird *Pogoniulus scolopaceus*

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Yellow-fronted Tinkerbird *Pogoniulus chrysoconus*

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Bred 1973 141. Breeding 1973 9-13b/w.

Pied Barbet *Tricholaema leucomelas*

Bred 1998 148. Breeding 1983 148-151. Imported 1920 166. Longevity, thirteen years 1939 254.

Spotted-flanked Barbet *Tricholaema lacrymosa*

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Black-throated Barbet *Tricholaema melanocephala*

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Black-collared Barbet *Lybius torquatus*
1971 53-54. Imported 1920 166; 1921 41. Wild 1958 30.

Brown-breasted Barbet, Brown-fronted Barbet *Lybius melanopterus*
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Double-toothed Barbet *Lybius bidentatus*
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Crested Barbet, Levillant's Barbet *Trachyphonus vaillantii*
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Black-necked Aracari *Pteroglossus aracari*
Bred 2003 86.

Curl-crested Aracari *Pteroglossus beauharnaesii*
1962 111; 1970 37. Bred 2000 94.

Saffron Aracari *Bailloni bailloni*
Imported 1909 274. Laid 1967 172.

Plate-billed Mountain-Toucan, Laminated Hill Toucan *Andigena laminirostris*
Bred 1976 58.

Guianan Toucanet *Selenidera culik*
Bred 2001 142.

Spot-billed Toucanet *Selenidera maculirostris*
Hatched 1914 48-49. Importations 1909 274. *1925 192.

Keel-billed Toucan, Sulphur-breasted Toucan *Ramphastos sulfuratus*,
Ramphastos sulphuratus
1946 216-217 (Sexing). Bred 1998 150.

Channel-billed Toucan *Ramphastos vitellinus*
1929 199-200*; 1994 141-142*. Bred for eight years 1995 33. Breeding 1991 179-184b/w. Breeding note 1995 174.

Red-breasted Toucan, Green-billed Toucan *Ramphastos dicolorus*

Bred 1998 150. Longevity, twenty-seven years 1974 113. *1925 192.

Red-billed Toucan *Ramphastos tucanus*

Bred 1999 95.

Toco Toucan *Ramphastos toco*

A tame toucan 1944 40-41. Attempted breeding 1984 73-75. Bred 1993 159; 2000 44. Parent-rearing 1997 97-100b/w*; 2003 143.

JACAMARS

Galbulidae

White-eared Jacamar *Galbalcyrhynchus leucotis*

2000 50.

PUFFBIRDS

Bucconidae

Collared Puffbird *Bucco capensis*

1937 33-34b/w.

Black-fronted Nunbird *Monasa nigrifrons*

2000 50.

White-fronted Nunbird *Monasa morphoeus*

2000 51.

TYPICAL HORNBILLS

Bucerotidae

1914 57b/w; 1926 64. Any hope for? 1992 119. At London Zoo 1992 148. Conference 1992 38. Helping save 2003 45. In Thailand (Avicultural Society sponsorship) 2003 57b/w. Nine species bred 1999 94. Recent imports 1991 89. Results at Chester Zoo 1995 207. Supplying indigenous people with captive moulted tail feathers 2002 47. UK First Breeding Records 1999 83.

Red-billed Hornbill *Tockus erythrorhynchus*

Bred 1956 40. Breeding 1968 144-146; 1979 59-60. Hatched 1926 282. New sub-species *Tockus erythrorhynchus kemp* 2001 49.

Eastern Yellow-billed Hornbill, Yellow-billed Hornbill *Tockus flavirostris*

Bred 1964 116; 1980 NL; 1987 173. Breeding 1984 36-40b/w.

Jackson's Hornbill *Tockus jacksoni*

1974 117-118; 1976 69-72b/w. And Von der Decken's Hornbill: One species or two? 1993 9-11, 213-214. Bred 1976 54; 1978 118. Note 1980 115.

Von der Decken's Hornbill *Tockus deckeni*

And Jackson's Hornbill: One species or two? 1993 9-11,213-214. Breeding 1992 45-47b/w. 2002 69-74b/w. Species validity 1980 115.

Crowned Hornbill *Tockus alboterminatus*

1908 97b/w. Bred 1976 112. Breeding 1998 61-64b/w*.

African Grey Hornbill *Tockus nasutus*

1919 107-109. Breeding 1990 167-170b/w (South African Grey Hornbill *Tockus nasutus epirhinus*). Breeding note 1995 174. Methods used to collect data 1992 155-162.

Oriental Pied Hornbill, Indian Pied Hornbill, Pied Hornbill *Anthracoceros malabaricus, Anthracoceros albirostris*

Bill growth and development 1978 20-31b/w. Bred 1974 115.

Black Hornbill *Anthracoceros malayanus*

Bred 1998 93; 2000 140.

Rhinoceros Hornbill *Buceros rhinoceros*

Bred 1996 45. Local extinctions 2002 47. Longevity, nearly twenty-four years 1961 41. Nest activity in relation to rainfall patterns 2003 53-56.

Giant Hornbill, Great Indian Hornbill *Buceros bicornis*

Artificial bill fitted 1970 206. Bred 1989 105; 1993 106; 2003 69-70*. Breeding 1978 183-185; 1987 159-161b/w. Fertile eggs laid 1972 213. Fledged 2003 186. Longevity, fifty-two years 1998 185. Long-lived 1955 324; 1996 186. Nest box cameras installed 2002 28-30. Nesting record (Eggs) 1955 113-118b/w. Prolific pair 1994 107-108.

Helmeted Hornbill *Buceros vigil*

Local extinctions 2002 47.

Bushy-crested Hornbill *Anorrhinus galeritus*

Pair adopted by Avicultural Society 2002 89.

Tarctic Hornbill *Penelopides panini*

Bred 1978 118. Sixteen reared since 1993 1998 138.

Sulawesi Hornbill *Penelopides exarhatus*

Bred 2000 140.

Wrinkled Hornbill *Aceros corrugatus*

Bred 1998 93; 2000 140. Breeding 1994 62-67; 1997 163-169b/w; 2003 80-81. Hatched 1994 141; 2000 78-79*. Observations on the breeding 1996 8-11.

Writhed Hornbill, White-headed Hornbill *Aceros leucocephalus*

Bred 2000 140.

Red-knobbed Hornbill, Knobbed Hornbill *Aceros cassidix*

Bred 1998 93; 2001 142.

Wreathed Hornbill *Aceros undulatus*

Aggressive behaviour 1967 170-171b/w. Behaviour differences among captive 1968 98-99. Fledged 2003 186.

Blyth's Hornbill, Wreathed Hornbill, Papuan Hornbill *Aceros plicatus*

1998 93. Breeding 2001 165-166.

Trumpeter Hornbill *Ceratogymna bucinator*

Breeding 1991 67-73b/w. Longevity, twenty-one years 1950 268-269. Seventeen reared since 1989 1996 178.

Piping Hornbill *Ceratogymna fistulator*

Some notes on 1999 97-102b/w.

Black-and-White Casqued Hornbill *Ceratogymna subcylindricus*

Breeding 1973 23-25b/w; 1982 15-25. Longevity, thirty-two years 1967 62.

Silvery-cheeked Hornbill *Ceratogymna brevis*

Fledged 2003 186.

Black-casqued Hornbill *Ceratogymna atrata*

1914 57-58b/w.

GROUND-HORNBILLS

Bucorvidae

Abyssinian Ground-Hornbill *Bucorvus abyssinicus*

Bred 1996 139. Growth and development 1988 211-215b/w. Incubation and hand-rearing 1994 221-223b/w. Longevity, forty-six years 1997 93. Observations on hatching 1973 27-29.

Southern Ground-Hornbill *Bucorvus leadbeateri*

1902 121-122; 1911 121-123b/w,208; 1914 57b/w. Disappearing 2003 91. Fertile eggs 1995 43. Wild nesting data 1996 139.

HOOPOES

Upupidae

1926 67.

Hoopoe *Upupa epops*

1900 41-48,289; 1907 193,236-242,280-282; 1910 229-230; 1911 38-39,260-262b/w (South African Hoopoe *Upupa epops major*); 1976 1-2*. Bred 2001 97. Breeding 1936 209-211,251-254; 1964 119-122b/w,163-166; 1970 189-190; 2003 22-28*. Breeding project 1997 46. Breeding results 1993 106. Captive management 1982 226-234b/w. Confiscated 1993 48. First Breeding Record 1996

82. Hand-rearing 1968 159-160. Nesting wild in Britain 1956 233. Notable success 1995 45. Recent imports 1991 89.

WOOD-HOOPOES *Phoeniculidae*

1926 70. Recent imports 1991 89.

Green Wood-Hoopoe *Phoeniculus purpureus*

Bred 2001 98. Breeding 1968 184-185. Breeding notes 1997 62. Hand-rearing 1976 4-7b/w. Notes 1921 88; 1922 36-37. UK First Breeding Record 1996 82. Unusual behaviour 1964 38. *1925 265.

TROGONS *Trogonidae*

1925 224.

Narina Trogon *Apaloderma narina*

In captivity in South Africa 1921 116. Naming 1966 120. Note 1957 182.

Resplendent Quetzal *Pharomachrus mocinno mocinno*

1930 61-64,126-127; 1939 323 (Wild); 1969 75. Fertile eggs laid 1951 66.

Costa Rican Quetzal *Pharomachrus mocinno costaricensis*

Breeding record 1943 165-168. Longevity, more than twenty-two years 1965 133. Note 1943 30.

Golden-headed Quetzal *Pharomachrus auriceps*

Bred 1987 111.

Cuban Trogon *Priotelus temnurus*

At Berlin Zoo 1909 161. Exhibited 1909 111; 1912 65. My trogons (Plath) 1928 67-68; 1930 127; 1934 38b/w. *1925 192.

White-tailed Trogon *Trogon viridis*

Bred 2002 143.

Blue-tailed Trogon, Javan Trogon *Harpactes reinwardtii*

Bred 2002 186; 2003 88.

Diard's Trogon *Harpactes diardii*

Bred 2002 186; 2003 88.

Red-headed Trogon *Harpactes erythrocephalus*

"Been at Calcutta Zoo" 1913 47. Bred 2002 186; 2003 88.

TYPICAL ROLLERS

Coraciidae

1926 88. Gambian rollers 1920 140,151. Husbandry 1928 248. Recent imports 1991 89. UK First Breeding Records 1996 82.

European Roller *Coracias garrulus*

1898 103-107,121-124; 1899 46-49; 1903 177-178; 1931 171-172; 1946 214-215. Breeding 1901 217-219. Hand-rearing 1975 28-32.

Lilac-breasted Roller *Coracias caudata*

1920 141-142; 1921 17-19; 1924 160; 1958 117-118b/w. Bred at Paignton Zoo 1931 244. Breeding 1969 95-96; 1979 61-62b/w. Partial success 1969 250-251. Reared to ten days 1961 41. *1921 63; *1925 265.

Racket-tailed Roller *Coracias spatulata*

Bred 2002 91. Breeding 1992 22-26.

Rufous-crowned Roller *Coracias noevia*

1920 152-154. Bred 2002 91.

Indian Roller *Coracias benghalensis*

1899 64-66; 1903 72-73.

Blue-bellied Roller *Coracias cyanogaster*

1920 151-152; 1925 191; 1927 25-26*. Bred 1998 3; 2002 91. Breeding 2001 1-3.

African Broad-billed Roller *Eurystomus glaucurus*

1920 154-155.

GROUND-ROLLERS

Brachypteraciidae

Pitta-like Ground-Roller *Atelornis pittoides*

In captivity 2003 90.

Long-tailed Ground-Roller *Uratelornis chimaera*

Bred 2003 89-90b/w.

MOTMOTS

Momotidae

1926 33; 1948 101*. Recent imports 1991 90. Recently fledged (= species?) 1933 460. UK First Breeding Record 1996 82.

Rufous Motmot *Baryphthengus ruficapillus*

At Berlin Zoo 1909 161.

Blue-crowned Motmot *Momotus momota*

1916 151-157b/w*. Abnormal racquets 1918 171b/w. At London Zoo 1927 172 (*Momotus momota swainsoni*). Bred 1956 42. Breeding 1955 230-233b/w; 1970 188-189b/w; 1991 38-40; 2003 163-166. *1925 265.

TODIES
Todidae

A description of the family 1987 147.

Cuban Tody *Todus multicolor*
1930 84.

Jamaican Tody *Todus todus*
Attempt to hand-rear 1907 339-342. Wild 1936 101-102.

KINGFISHERS

1926 85b/w. Difficulty of keeping 1956 155. Exotic kingfishers in captivity 1948 93. Kingfishers of Australia 1967 89. Recent imports 1991 90. Some West African kingfishers 1960 205*.

ALCEDINID KINGFISHERS
Alcedinidae

Common Kingfisher *Alcedo atthis*
1895 65-67; 1897 137-139; 1901 84; 1915 49-52b/w,103-104,134-136,139-144b/w,147-159,167-168. Fearlessness 1923 277-278. Feeding 1916 70. Notes 1956 157-158. Rearing and breeding 1939 33-36b/w. Successful breeding 1933 91.

Shining-Blue Kingfisher *Alcedo quadibrachys*
1968 30.

Malachite Kingfisher *Alcedo cristata*
1957 125-126. Laid 1968 30.

African Pygmy-Kingfisher, Pygmy Kingfisher *Ispidina picta*
Bred 1971 108; 1972 68. Breeding 1964 15-18. Imported 1930 195; 1931 205-206*; 1970 89-91*.

HALCYONID KINGFISHERS
Halcyonidae

Successful propagation of three *Halcyon* species 1990 1b/w. UK First Breeding Records 1996 82.

Laughing Kookaburra *Dacelo novaeguinea*

1907 172-174b/w; 1911 324-326; 1941 31-34b/w; 1946 213-214 (Bred); 1967 89-91; 1969 176-178. Albino 1987 112. Artificial rearing 1961 133-136b/w. Attempted breeding 1944 99-104b/w. Bred 1934 76-77; 1968 65-66b/w. Breeding 1912 89-91b/w; 1958 77-81b/w; 1961 166-168b/w; 1968 216-217b/w; 1975 42; 1996 63-67. Breeding dates 1938 286. Colouration 1944 150; 1945 55. Hand-reared 1976 51. Hardiness 1926 82-83. Hatched 1904 277. Longevity, thirty years old 1951 197. Washington Zoo breeding record 1966 175.

Blue-winged Kookaburra *Dacelo leachii*

Bred 1971 105; 2002 27. *2002 21.

Spangled Kookaburra, Giant Kingfisher, Spangled Kingfisher *Dacelo tyro*

1921 152; 1998 132.

Lilac-cheeked Kingfisher *Cittura cyanotis*

Wild data 1997 116.

Stork-billed Kingfisher *Pelargopsis capensis*

1925 26-27.

White-breasted Kingfisher, White-throated Kingfisher *Halcyon smyrnensis*

1901 39-40; 1971 153-157*. Breeding 1990 2-3b/w. Longevity, fifteen years 1965 157. *1925 265.

Grey-headed Kingfisher *Halcyon leucocephala*

*1960 205.

Woodland Kingfisher *Halcyon senegalensis*

Breeding 1971 193-194.

Mangrove Kingfisher *Halcyon senegaloides*

B/w 1974 223.

Brown-hooded Kingfisher *Halcyon albiventris*

Breeding 1989 5-6b/w.

Striped Kingfisher *Halcyon chelicuti*

1916 312-313. Laid 1965 118.

Forest Kingfisher *Todirhamphus macleayii, Halcyon macleayii*

1967 91-92b/w.

Micronesian Kingfisher *Todirhamphus cinnamominus, Halcyon cinnamominus*

Bred 2001 92. Breeding 1990 6-8b/w.

Collared Kingfisher, White-collared Kingfisher *Todirhamphus chloris*, *Halcyon chloris*

Bred 2001 42. Hatched 1965 192; 1993 159.

Talud Kingfisher *Todirhamphus enigma*, *Halcyon enigma*

Wild status 1997 115.

Beach Kingfisher, White-headed Kingfisher *Todirhamphus saurophaga*, *Halcyon saurophaga*

1931 29*.

Sacred Kingfisher *Todirhamphus sanctus*, *Halcyon sanctus*

1900 117-119*; 1965 75*; 1967 91-92. Bred 1970 105. Hatched 1940 32. Laid 1900 203.

New Zealand Kingfisher *Todirhamphus sanctus vagans*

1934 11-14. Breeding 1990 10-19b/w.

CERYLID KINGFISHERS

Cerylidae

Pied Kingfisher *Ceryle rudis*

Nestlings to be collected 2000 46.

BEE-EATERS

Meropidae

1926 34b/w. Management 1970 186b/w. Recent imports 1991 89. UK First Breeding Records 1996 82. Water-diving behaviour 1983 237.

HYBRIDS: Northern Carmine Bee-Eater *Merops nubicus* x European Bee-Eater *Merops apiaster* 1970 186.

Blue-bearded Bee-Eater *Nyctyornis athertoni*

Note 1924 32. Sexing 1977 177.

White-fronted Bee-Eater *Merops bullockoides*

Bred 2001 92; 2002 91. Breeding 1997 20-27b/w*. Imported 1926 188; 1926 273-274; 1927 1-2*; 1933 190-192 (Longevity, almost seven years old).

Little Bee-Eater *Merops pusillus*

1970 137-138*. Breeding 1970 139-140.

Swallow-tailed Bee-Eater *Merops hirundineus*

Note 1904 119.

White-throated Bee-Eater *Merops albicollis*

B/w 1974 222.

Rainbow Bee-Eater, Australian Bee-Eater *Merops ornatus*

At London Zoo 1911 240; 1912 286b/w. In captivity 1939 294-295b/w.

European Bee-Eater *Merops apiaster*

1902 103-108b/w, 128-132, 152-162; 1937 103-104b/w. Bred wild in UK for first time in 50 years 2002 140. Breeding in captivity 1970 186. Nesting in Britain 1955 328. Old friends 1906 255. *1925 265.

Northern Carmine Bee-Eater *Merops nubicus*

Breeding 1970 186. Wild 1927 211.

MOUSEBIRDS

Coliidae

1925 279. How I came to keep 2000 104b/w. Hundred reared comprising three species 1967 19. Recent imports 1991 90.

Speckled Mousebird, Striated Mousebird *Colius striatus*

1903 174-177b/w. Behaviour 1985 231-236. Bred 1938 67. Breeding 1915 179-180; 1969 54-62b/w. Breeding records 1958 185.

Red-backed Mousebird *Colius castanotus*

Bred 1987 95. Breeding 1975 79-80.

White-backed Mousebird *Colius colius*

Bred 1966 174.

Blue-naped Mousebird *Urocolius macrouris*, *Colius macrourus*

Bred 1966 174; 1970 35. Breeding 1969 54-62b/w; 1979 146-156b/w; 1980 85-90. Helping to rear Fruit Dove squab 1998 132. Soft-parts 1909 94-96.

Red-faced Mousebird *Urocolius indicus*, *Colius indicus*

1910 199-201*. Bred 1987 170. Breeding 1966 79-84b/w. Husbandry and reproduction 1994 49-51.

OLD WORLD CUCKOOS

Cuculidae

1907 236; 1925 280. Cuckoos of New South Wales 1918 259. Recent imports 1991 91. Species kept in captivity 1918 31.

Chestnut-winged Cuckoo, Red-winged Crested Cuckoo *Clamator coromandus*

1960 40.

Common Hawk-Cuckoo *Cuculus varius*

1902 229; 1903 173-174. In captivity 1918 35.

Common Cuckoo *Cuculus canorus*

“A miserable young” 1899 39. Adventures of a young 1902 267-268. As pet 1932 197. Cuckoos and the Sawfly larvae 1928 281-282; 1929 17. Food of 1919 14. Habits in breeding season 1915 279-282b/w. In captivity 1918 31-34. Kept through winter 1911 304-306. March cuckoos 1905 229. Mobbed by starlings *Sturnus vulgaris* 1925 157-158. Notes 1907 240-241,355,363; 1908 45-46. Rescued 1984 176.

Shining Bronze-Cuckoo, Shining Cuckoo *Chrysococcyx lucidus*
1934 136-138.

Asian Emerald Cuckoo *Chrysococcyx maculatus*
In captivity 1918 34.

Klaas’s Cuckoo, Klaas Cuckoo *Chrysococcyx klaas*
1967 17.

Dideric Cuckoo, Didric Cuckoo *Chrysococcyx caprius*
1963 179*.

Asian Koel *Eudynamys scolopacea*
At London Zoo 1913 89. In captivity 1918 34-35.

Long-tailed Koel *Eudynamys taitensis*
In captivity 1918 35-36. Wild 1934 11.

Scale-feathered Malkoha, Scaly-feathered Malcoha, Scale-feathered Cuckoo
Phoenicophaeus cumini, *Lepidogrammus cumingi*
1966 137.

Sunda Ground-Cuckoo, Ground Cuckoo *Carpococcyx radiceus*
Imported 1929 326. In captivity 1918 39. Longevity, eighteen years 1918 39.

Coral-billed Ground-Cuckoo, Red-billed Ground Cuckoo *Carpococcyx renauldi*
1927 230-231*. At Berlin Zoo 1980 50-51. Nesting 1927 231-232 (Eggs); 1929 28-29 (Fertile eggs); 1931 98 (Eggs).

Crested Coua *Coua cristata*
Bred 2003 89.

COUCALS *Centropodidae*

1932 183.

Greater Black Coucal *Centropus menbeki*
1938 125b/w (This species not the Lesser Black Coucal, Bernstein’s Coucal *Centropus bernsteini*).

Pheasant Coucal *Centropus phasianinus*, *Centropus phasianus*

In captivity 1918 38.

Lesser Black Coucal, Bernstein's Coucal *Centropus bernsteini*
1938 125b/w (Later proved to be Greater Black Coucal *Centropus menbeki*). In
captivity 1918 38-39.

Greater Coucal, Great Coucal, Indian Coucal *Centropus sinensis*
Breeding 1928 279-280b/w; 1993 203-204. In captivity 1918 38.

Lesser Coucal *Centropus bengalensis*
In captivity 1918 38.

Blue-headed Coucal *Centropus monachus*
1981 112.

Senegal Coucal *Centropus senegalensis*
In captivity 1918 36-38.

White-browed Coucal *Centropus superciliosus*
Bred 1976 57. Imported 1921 108. Notes 1909 119-122b/w.

AMERICAN CUCKOOS (NEW WORLD CUCKOOS) *Coccyzidae*

Mangrove Cuckoo *Coccyzus minor*
1930 147.

Squirrel Cuckoo *Piaya cayana*
1975 37.

HOATZIN *Opisthocomidae*

Hoatzin *Opisthocomus hoazin*
First import 1931 196-197b/w. Recent work on 1919 182-183. Wild 1931 297-
298.

ANIS AND GUIRA CUCKOO *Crotophagidae*

Smooth-billed Ani *Crotophaga ani*
Breeding 1961 67-68. In captivity 1918 40. Wild 1930 147-149.

Guira Cuckoo *Guira guira*
Bred 1960 219-220. In captivity 1918 39-40 (Been bred). Notes 1930 186-187;
1938 294-295.

ROADRUNNERS AND GROUND-CUCKOOS

Neomorphidae

Roadrunner *Geococcyx californianus*

Note 1969 32. Sunbathing posture 1971 128b/w.

Rufous-vented Ground-Cuckoo *Neomorphus geoffroyi*

Note 1975 37.

PARROTS AND ALLIES

Psittacidae

A historical review of parrots bred in America 1999 145. A technique for hand-rearing 1989 14b/w. Abnormal colouring 1969 137. African parrots 1942 59,103. As fosters 1937 210. Australian parrots in captivity 1949 14b/w,44,115b/w,162b/w; 1950 21b/w,76,122b/w,161,218. Australian parrots in Holland 1960 106. Behavioural characters of use in taxonomy 1967 77. Body weights 1998 27. Breeding rare parrots in America 1926 160. Chick calls used in taxonomic research 1984 123. Correct identification 1985 236. Dangerous nestboxes 1954 147. Diseased parrots imported 1936 256. Diseases in the wild 1932 59. Displays 1976 116. English names of parrots 1914 283,315,341,377; 1915 43,77,95,128,165,191,225,288,317,353; 1916 41,66; 1976 101. Extinct, vanishing and hypothetical parrots 1970 198. Face-clawing 1978 238; 1979 108. Feeding 1900 240; 1970 170. Feeding mice to parrots 1896 12. Feral parrots in Spain 2001 138. First psittacine produced by A.I. (Artificial insemination) 1982 171. Fossil remains found 1983 54. Fostering eggs and chicks 1973 219. Importation 1939 161. Is grit dangerous to newly imported parrots? 1896 12,31,48,62,93. Keeping parrots in Germany 1934 288. Lesser Antillean Parrot Programme at Jersey Zoo 1976 101. List of coloured plates of parrots 1917 85,117,151,176. Longevity 1954 165; 1969 198; 1970 40. Meat-eating 1896 31; 1973 87. Mixing parrots 1954 81. Need to supply fresh branches 1951 75. Nesting sites 1931 257. Nests and nesting 1972 155. Notes on egg, natal down and plumage 1989 38. Parrots 1911 375; 1920 46,65b/w,88,106,142; 1963 102. Parrots in England 1954 108. Parrots in general 1926 127. Parrot notes 1898 21,98; 1973 13. Parrots of Australia 1962 98b/w; 129b/w,199b/w; 1963 71b/w,160b/w,240b/w; 1964 59b/w,136b/w,201b/w; 1967 139b/w. Perches 1896 31. Psittacine Registry and Census 1947 70,165; 1948 166. Psittacines in California 1963 249. Psittacines the World over 1955 117. Psittacorial 1951 60; 1952 123. Remating 1953 57. Sexing 1921 4; 1971 182,231; 1972 112. Sickness in parrots 1932 11. Some hints on keeping 1914 207,296,353. Special Parrot Issues: 1939 December; 1942 November/December; 1945 January/February; 1947 March/April; 1980 October/December. Sulking in 1985 244. Taming 1917 243. The Boswell Parrot Collection 1982 101. Threat to parrots in aviculture 2002 49. Twin chicks (Unhatched) 1979 108. Unusual feeding habits in parrots 1983 122. Use of foot in feeding 1971 93; 1972 74,112. Use of foster parents at Loro Parque 1997 159b/w. Ways of parrots 1933 29. Welfare of captive parrots 1998 23. What is the longest lived bird? 1940 316.

LORIES AND LORIKEETS

1926 130; 1974 237. A lory collection 1983 181. At liberty 1911 253b/w; 1949 22b/w. Attraction to Madrone tree 1984 221. Feeding 1908 84. Food 1936 166. Habits 1925 190. Hand-rearing 1975 169. Keeping and feeding 1928 160. Lories and lorikeets 1974 237. Lories bred at San Diego Zoo 1973 147. Lorikeets 1900 141; 1919 173. Note 1968 105. Notes on lorikeets in captivity in Australia 1946 111.

HYBRIDS: Lory hybrids 1941 9. Dusky Lory *Pseudeos fuscata* x Swainson's Lorikeet *Trichoglossus haematodus moluccanus* 1942 4. Red Lory *Eos bornea* x Swainson's Lorikeet *Trichoglossus haematodus moluccanus* 1937 138. Red-collared Lorikeet *Trichoglossus rubritorquis* x Purple-capped Lory *Lorius domicella* 1949 29. Solitary Lory, Collared Lory *Phigys solitarius* x Dusky Lory *Pseudeos fuscata* 1960 42. Swainson's Lorikeet *Trichoglossus haematodus moluccanus* x Chattering Lory *Lorius garrulus* 1938 30.

Black Lory *Chalcopsitta atra atra*

1905 147-149b/w; 1974 94-97. Breeding 1910 28-29,360; 1978 121-124b/w. "Have young" 1909 398. Laid 1937 287. Notes 1980 224.

Bernstein's Lory, Bernstein's Red Lory *Chalcopsitta atra bernsteini*

1974 97-98. Bred 1996 95.

Rajah Lory, Red-quilled Lory *Chalcopsitta atra insignis*

Breeding 1993 178-181. Imported 1927 273; 1930 61*; 1974 138-140.

Duivenbode's Lory, Brown Lory *Chalcopsitta duivenbodei*

At London Zoo 1930 129; 1931 125*; 1975 26-28. Breeding 1984 19-26b/w; 1991 37. Imported 1929 326. Parent-rearing 1994 110.

Yellow-streaked Lory *Chalcopsitta sintillata*

Breeding 1979 2-4b/w.

Cardinal Lory *Chalcopsitta cardinalis*

Bred 2002 91.

Eos

Red and Blue Lory *Eos histrio* x Red Lory *Eos bornea* 1937 137.

Red and Blue Lory *Eos histrio*

1998 5*. Bred 1996 95. CITES protection 1995 78-79. Population status 1997 113-114.

Violet-necked Lory *Eos squamata*

Bred 1974 135-136 (*Eos squamata attenua*). Breeding 1977 189; 1978 119. Breeding record 1933 42. Hatched 1956 160. Races of 1997 184-185. Obi Lory, Obi Violet-necked Lory, Variegated Lory *Eos squamata obiensis*: Breeding 1990 24-29; 1995 128-131. Imported 1989 45;

Red Lory *Eos bornea*

Bred 1942 46; 1980 224-225. Breeding 1968 198-199. Hatched 1974 134. Reared by Ring-necked Parakeets 1965 196.

Blue-streaked Lory *Eos reticulata*
Breeding 1972 194-197.

Black-winged Lory *Eos cyanogenia*
At London Zoo 1909 251; 1931 106. Bred 1977 189. Imported 1907 243.

Blue-eared Lory *Eos semilarvata*
Imported 1907 243.

Dusky Lory, White-rumped Lory *Pseudeos fuscata*
Bred 1942 46; 1976 15-16,123; 1978 88; 1980 222-224b/w. Notes 1907 243; 1909 308; 1921 87.

Trichoglossus

HYBRIDS: Forsten's Lorikeet *Trichoglossus haematodus forsteni* x Red-collared Lorikeet *Trichoglossus rubritorquis* 1933 42. Ornate Lorikeet *Trichoglossus ornatus* x: Scaly-breasted Lorikeet *Trichoglossus chlorolepidotus* 1938 301; Swainson's Lorikeet, Blue Mountain Lorikeet *Trichoglossus haematodus moluccanus* 1945 24. Scaly-breasted Lorikeet *Trichoglossus chlorolepidotus* x Forsten's Lorikeet *Trichoglossus haematodus forsteni* 1969 35. Swainson's Lorikeet *Trichoglossus haematodus moluccanus* x: Red-collared Lorikeet *Trichoglossus rubritorquis* 1912 189, 1917 268, 1938 301; Scaly-breasted Lorikeet *Trichoglossus chlorolepidotus* 1963 92.

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Green-naped Lorikeet *Trichoglossus haematodus haematodus*
Imported 1907 243.

Mitchell's Lorikeet *Trichoglossus haematodus mitchellii*
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Forsten's Lorikeet *Trichoglossus haematodus forsteni*
Breeding 1906 24-25; 1907 81-82. Notes 1900 163-164.

Weber's Lorikeet *Trichoglossus haematodus weberi*
1904 246-250b/w. Breeding 1971 34-36b/w.

Edwards's Lorikeet *Trichoglossus haematodus capistratus*
Breeding 1967 3-4.

Western Green-naped Lorikeet *Trichoglossus haematodus berauensis*
Bred 1974 136.

Rosenberg's Lorikeet *Trichoglossus haematodus rosenbergii*
Bred 2002 92. Imported 1920 198; 1940 307-308; 1952 116.

Blue-headed Lorikeet *Trichoglossus haematodus caeruleiceps*
Breeding 1967 8.

Black-throated Lorikeet *Trichoglossus haematodus nigrogularis*
1906 21-22*.

Massena's Lorikeet *Trichoglossus haematodus massena*
Breeding 1966 155-156.

Swainson's Lorikeet, Blue Mountain Lorikeet *Trichoglossus haematodus moluccanus*
1902 167-169,173,207,238,298; 1950 218-219. At liberty 1911 253b/w. Bred 1907 209-210; 1931 198; 1939 186-187. Bred in cage 1929 81-82. Breeding 1938 16-17. Breeding all year round 1933 16. Breeding records 1928 303-304. Diet 1900 36; 1903 114; 1921 76,94. Hatched 1931 260; 1939 186-187. Mutation 1946 111. Pets 1916 137-138. Reared 1932 147. Talking 1934 153. Twenty reared in two years 1937 77.

Red-collared Lorikeet *Trichoglossus rubritorquis*
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Meyer's Lorikeet *Trichoglossus flavoviridis meyeri*
Hand-reared 1977 12-17; 1978 88-89. Hatched 1976 11-12. Notes 1980 220-221.

Mount Apo Lorikeet, Mindanao Lorikeet, Mrs Johnstone's Lorikeet
Trichoglossus johnstoniae
1906 83-88*. Bred 1996 95; 1999 84; 2002 92. Breeding 1907 44-46. Breeding and husbandry 1997 6-14b/w.

Scaly-breasted Lorikeet *Trichoglossus chlorolepidotus*
1950 220-221. Bred 1933 226; 1963 88. Breeding records 1944 45.

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1903 289-291*; 1904 169; 1950 221-222. Bred 1966 88. Breeding 1936 192-193b/w; 1950 260-261. Imported 1903 114; 1921 87.

Iris Lorikeet *Psitteules iris*
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Bred 1953 104; 1980 184. Breeding 1951 133-135. Keeping and breeding 1983 69-70.

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Yellow-backed Lory *Lorius garrulus flavopalliatus*

Bred 1968 227; 1974 135. Breeding 1958 167-169b/w; 1969 26-27. Hand-rearing 1965 81-82. Notes 1925 102-103*.

Purple-capped Lory, Purple-naped Lory *Lorius domicella*

1895 69-70. Bred 1949 29; 1965 158. Breeding 1955 14-17; 1993 72-75b/w. Note 1956 39-40.

Black-capped Lory *Lorius lory*

1938 180-183; 1998 71-84b/w* (Book extract). "Alfred" 1938 200-202. Bred 1962 77. Breeding 1921 116-118,149. Laid 1974 135.

Purple-bellied Lory, Louisiade Lory, Louisiade Lorikeet *Lorius hypoinochrous*

Bred for second year 1970 206. "Two month old chicks" 1969 147.

Yellow-bibbed Lory, Green-tailed Lory *Lorius chlorocercus*

At London Zoo 1912 71. Bred 2002 92.

Collared Lory *Phigys solitarius*

1912 52-53b/w; 1935 131-135; 1937 123-127*; 1993 215. At London Zoo 1912 71,226. Bred 1941 154,155; 2001 92. Early importation 1913 40. Hatched 1938 341. Observations in captivity 1941 72-75 (Bred); 1944 124-125. Twelve bred 1999 94.

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Blue-crowned Lory, Blue-crowned Lorikeet *Vini australis*

Bred 1973 147; 1998 161; 2001 92; 2002 91,92. Breeding 1993 27-29. Thirteen bred 1999 94.

Kuhl's Lory, Kuhl's Lorikeet *Vini kuhlii*

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Musk Lorikeet *Glossopsitta concinna*

1905 290-291,341-344; 1950 222-223; 1998 4-5*. Bred 1938 301; 1965 33; 2002 92. Breeding note 1995 171. Notes on husbandry and breeding 1993 188-192. Sexing 1932 250. Smell 1926 191.

Little Lorikeet *Glossopsitta pusilla*

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1913 90b/w; 1950 223-224. Bred 1964 149,190; 1984 177. Hatched 1932 250-251.

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Blue-fronted Lorikeet *Charmosyna toxopei*

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Whiskered Lorikeet, Plum-faced Lorikeet *Oreopsittacus arfaki*

Imported 1908 336 (Southern Blue-cheeked Alpine Lorikeet *Oreopsittacus arfaki grandis*). Bred 1998 161; 2001 142; 2002 186 (Greater Alpine Lorikeet, Western Blue-cheeked Alpine Lorikeet *Oreopsittacus arfaki major*). Breeding 1999 106-109*. Needs special care 1999 110-111.

Musschenbroek's Lorikeet *Neopsittacus musschenbroekii*

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White-tailed Black Cockatoo, Baudin's Black Cockatoo, Baudin's Cockatoo

Calyptorhynchus baudinii

1950 132-133; 1954 224-225b/w. First importation 1954 96. Note 1980 173.

Slender-billed Black Cockatoo *Calyptorhynchus latirostris*

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Red-tailed Black Cockatoo, Red-tailed Cockatoo *Calyptorhynchus magnificus*

1950 127-130. Bred 1979 170; 1981 185. Breeding 1940 136; 1945 143; 1955 86-87b/w; 1980 202-204. "Breeding regularly" 1949 31. Hand-reared 1974 78. Hatched under bantam and hand-reared 1964 32. Note 1980 173-174. Sir Lawes-Wittewronge's cockatoos 1904 135-136.

Glossy Black Cockatoo, Glossy Cockatoo *Calyptorhynchus lathami*

1950 130-131; 1981 185. Bred 1959 80; 1988 232. Breeding 1954 163-164. Hatched 1954 96.

Gang-Gang Cockatoo *Callocephalon fimbriatum*

1938 349-350; 1950 133-135 (Bred). Bred 1921 176; 1940 270; 1953 13; 1991 191. Breeding 1922 7-11b/w; 1938 258-260. Breeding records 1933 43. Imported 1897 34. Note 1980 174. Treatment 1900 187-188.

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Galah, Roseate Cockatoo *Eolophus roseicapillus*

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Leadbeater's Cockatoo, Pink Cockatoo *Cacatua leadbeateri*

1940 306-307; 1950 162-163; 1978 201-203. Bred 1944 149. Breeding 1938 237-238. Nesting 1901 191-192 (Bred). Note 1950 94. Reared at London Zoo 1921 153. Sexing 1960 84.

Lesser Sulphur-crested Cockatoo, Yellow-crested Cockatoo *Cacatua sulphurea sulphurea*

Breeding 1970 238-239; 1972 14. Breeding records 1971 48. Hatched 1922 194. Reared 1924 257-258; 1925 83-84. Unusual feeding habits 1979 31.

Citron-crested Cockatoo *Cacatua sulphurea citrinocristata*

Bred since 1956 1976 217. Breeding 1955 226-227. In Sumba 1979 93-94. Killing sparrow 1962 150. Notes 1953 20; 1956 25-27b/w; 1960 14-17; 1972 74.

Timor Cockatoo *Cacatua sulphurea parvula*

Bred 1955 327. Breeding 1956 6-8.

Greater Sulphur-crested Cockatoo, Sulphur-crested Cockatoo *Cacatua galerita galerita*

1902 83-84b/w; 1950 161-162. Catching 1907 211-215. Longevity 1917 56; 1948 175; 1958 182. Tool-using 1983 239.

Blue-eyed Cockatoo *Cacatua ophthalmica*

Bred 1951 191; 1954 76; 1991 147; 1994 140*. Breeding 1965 109-111; 1966 90; 1984 141-142. Breeding note 1995 177. In New Britain 2001 146-148b/w. Note 1937 37. Seven reared 2002 92.

Moluccan Cockatoo, Salmon-crested Cockatoo *Cacatua moluccensis*

Breeding 1951 223-224b/w; 1972 4-7; 1979 125-134b/w. Longevity, sixty-four years old 1991 97. Nesting and hand-rearing 1976 57. Survey 1996 115.

Umbrella Cockatoo, White Cockatoo *Cacatua alba*

Bred 1974 123. Breeding 1960 208; 1968 15-16b/w. Incubator hatching and hand-rearing 1987 136-139.

Red-vented Cockatoo, Philippine Cockatoo *Cacatua haematuropygia*

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Goffin's Cockatoo, Tanimbar Cockatoo *Cacatua goffini*

Bred for sixteen years 1990 171-173. Breeding 1975 155-156b/w; 1977 182-184; 1980 195-201b/w.

Bare-eyed Cockatoo, Little Corella, Western Corella *Cacatua sanguinea*

1950 163-164. Bred 1927 224. Breeding records 1938 301. Destruction of 1992 37.

Long-billed Cockatoo, Long-billed Corella *Cacatua tenuirostris*

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Ducorp's Cockatoo *Cacatua ducorpsii*

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Cockatiel *Nymphicus hollandicus*

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Red-breasted Pygmy-Parrot *Micropsitta bruijnii*

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Breeding 1994 136-138.

Double-eyed Fig-Parrot *Cyclopsitta diophthalma diophthalma*, *Opopsitta diophthalma diophthalma*

1908 335; 1950 139; 1952 106; 1967 139-151b/w; 2001 92. Bred 1954 77; 2002 91.

Marshall's Fig-Parrot *Cyclopsitta diophthalma marshalli*, *Opopsitta diophthalma marshalli*

1950 226. *1967 139.

Coxen's Fig-Parrot *Cyclopsitta diophthalma coxeni*, *Opopsitta diophthalma coxeni*

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Red-browed Fig-Parrot *Cyclopsitta diophthalma macleayana*, *Opopsitta diophthalma macleayana*

1950 225-226. Breeding 1978 237. Hatched 1975 114.

Desmarest's Fig-Parrot, Large Fig-Parrot, Golden-headed Fig-Parrot

Psittaculirostris desmarestii

1938 149-150* (Western Desmarest's Fig-Parrot *Psittaculirostris desmarestii occidentalis*); 1939 123-124; 1983 52; 1988 179. Breeding 1988 83-89.

Edwards's Fig-Parrot *Psittaculirostris edwardsii*

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Salvadori's Fig-Parrot *Psittaculirostris salvadorii*

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Blue-rumped Parrot *Psittinus cyanurus*
At London Zoo 1937 98. Breeding 1996 143-148b/w. Imported 1912 138b/w;
1927 18; 1928 175*; 1936 286-287.

Red-cheeked Parrot *Geoffroyus geoffroyi*, *Geoffroyus geoffroyus*
1905 319; 1931 181*; 1949 47-48. Imported 1927 307; 1930 129.

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Bred 1993 160.

Blue-crowned Racquet-tail, Philippine Racket-tailed Parrot *Prioniturus discurus*
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Tanygnathus sumatranus sumatranus
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Eclectus roratus vosmaeri

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Cornelia's Eclectus Parrot *Eclectus roratus cornelia*

Bred 2001 142.

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Bred 2001 142.

Red-sided Eclectus Parrot *Eclectus roratus polychloris*

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Pesquet's Parrot *Psittichas fulgidus*

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Masked Shining-Parrot *Prosopieia personata*

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Red Shining-Parrot, Tabuan Shining-Parrot *Prosopieia tabuensis tabuensis*

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Red Shining-Parrot, Red Shining-Parakeet *Prosopieia tabuensis splendens*

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Red-faced Lovebird, Red-headed Lovebird *Agapornis pullaria*

1927 185-187; 1928 174*; 1941 105-106; 1947 195-196. Bred 1966 140. Breeding 1947 114; 1957 1-7*; 1959 117-123b/w; 1964 39-46b/w; 1967 121. Breeding attempts 1904 350-353; 1938 58-59; 1939 128-129. Hatched under budgerigars 1950 183 (Died 229). Laid 1997 187. Nesting habits 1932 83; 1937 148-149,330-331; 1947 26-28. Note 1957 110.

Abyssinian Lovebird, Black-winged Lovebird *Agapornis taranta*

1910 23-24*; 1927 147-150; 1928 175*; 1941 109; 1955 172-174; 1976 28-32. Bred 1926 71-72,218-219. Breeding 1926 146-148; 1928 295-299; 1956 34. Breeding records 1933 47. Nesting habits 1947 28. Six young in nest 1968 218. Tapeworm in 1967 201-202.

Black-collared Lovebird *Agapornis swindernianus swindernianus*

1928 13-14; 1941 108.

Zenker's Black-collared Lovebird, Cameroon Black-collared Lovebird,

Zenker's Lovebird *Agapornis swindernianus zenkeri*

1928 14-15; 1941 108-109; 1962 41 (Wild).

Peach-faced Lovebird *Agapornis roseicollis*

1927 221-223; 1928 176-177; 1941 107-108. Abnormal specimen 1921 107. Breeding 1927 276-278. Breeding records 1933 47. Nesting (Captive and wild) 1896 128-134. Nesting habits 1947 25-26. Pet 1923 157-159.

Fischer's Lovebird *Agapornis fischeri*

1927 339-340; 1941 106; 1967 168-169. A conversational lovebird 1954 25. Bred 1932 19. Breeding 1928 55-58. Breeding records 1933 49. Imported 1925 155; 1927 257. Misbehaviour of 1929 194-195. Wild 1980 116. Wild population recovering 1994 225. *1926 169.

Masked Lovebird *Agapornis personata*

1927 240-241; 1941 109-110. As foster-parents 1931 151. At liberty 1929 301-302. Bred 1932 17,38. Breeding 1927 250,348; 1928 18,78. Breeding records 1933 49. Escape recaptured 1927 280-281. Hand-rearing 1928 143-144. Note 1925 155. Notes on mutations 1961 58-60. *1926 169. Blue mutation: 1928 25-26*; 1929 23,81; 1930 79-81. Bred 1931 235. Breeding 1953 41. Note 1956 161-162.

Nyasa Lovebird *Agapornis lilianaea*

1926 53-54; 1927 339; 1941 106-107. Breeding 1926 169-171*. Breeding records 1933 48. Lutino: Bred 1955 263; Breeding 1956 192-193. Notes 1926 140-141,283-284. *1926 169.

Black-cheeked Lovebird *Agapornis nigrigenis*

1980 206-210,317*; 1909 148-156,247; 1927 232-235; 1928 173-174*; 1941 108. Arrival of 1909 140; 1926 188,283. Bred 1932 18. Breeding 1908 318-329; 1909 31-36,53; 1910 103. Breeding records 1933 48. Sexing 1909 149; 1910 165; 1911 51-52; 1914 162-164.

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1927 20; 1947 169; 1973 107. Display of hanging parrots 1933 170. Breeding 1947 235; 1971 226. Nesting habits in captivity and freedom 1947 28.

HYBRIDS: Blue-crowned Hanging Parrot *Loriculus galgulus* x Ceylon Hanging Parrot *Loriculus beryllinus* 1960 21b/w.

Vernal Hanging Parrot *Loriculus vernalis*

Breeding 1975 141-143; 1980 251-252. Nesting habits 1947 28-29. Note 1947 170.

Ceylon Hanging Parrot *Loriculus beryllinus*

1962 81-83*. Nesting habits 1947 30.

Philippine Hanging Parrot, Colasisi *Loriculus philippensis philippensis*

1971 126b/w. Breeding 1980 253-255b/w. Brooding 1970 206. Fledged 1970 250.

Cebu Hanging Parrot, Golden-backed Hanging Parrot *Loriculus philippensis chrysonotus*

1972 37. Early breeding record 1971 126. Late records of 1959 177-178. Notes on 1929 8-10.

Worcester's Hanging Parrot *Loriculus philippensis worcesteri*

Nesting of 1931 299-301 (Eggs). New arrival 1930 49-50,163. Pair exhibited 1931 123.

Blue-crowned Hanging Parrot *Loriculus galgulus*

1917 269-270 (Eggs); 1928 175-176*; 1947 169-170; 1968 215-216 (Bred). Bred 1978 176. Breeding as trio 1992 123-124. Female assuming male colouring 1968 110. Hatched in Russia 1933 46. Nesting 1911 304. Nesting habits 1947 29-30, 143,232. Occurrence and treatment of candidiasis 1965 143-145.

Sulawesi Hanging Parrot, Celebes Hanging Parrot, Red-crowned Hanging Parrot *Loriculus stigmatus*

Bred 1993 101.

Moluccan Hanging Parrot, Halmahera Hanging Parrot *Loriculus amabilis*

1929 237 (From description is this not Sulawesi Hanging Parrot, Celebes Hanging Parrot, Red-crowned Hanging Parrot *Loriculus stigmatus* as stated). Nested 1940 310. Nesting of 1931 238-239 (Eggs).

Sangihe Hanging Parrot *Loriculus catamene*

Wild data 1997 114.

Yellow-throated Hanging Parrot, Javan Hanging Parrot *Loriculus pusillus*

Bred 1971 126.

Psittacula

1927 13. Bill colour in young Derbyan Parakeet *Psittacula derbiana*, Malabar Parakeet *Psittacula columboides* and Plum-headed Parakeet *Psittacula cyanocephala* 1936 259. Breeding records 1938 304. Trio of lutinos (Ring-necked Parakeet *Psittacula krameri*, Alexandrine Parakeet *Psittacula eupatria* and Plum-headed Parakeet *Psittacula cyanocephala*) 1917 43.

HYBRIDS: Alexandrine Parakeet *Psittacula eupatria* x: Derbyan Parakeet *Psittacula derbiana* 1931 191; Lutino Ring-necked Parakeet *Psittacula krameri* 1947 57. Indian Ring-necked Parakeet *Psittacula krameri manillensis* x Moustached Parakeet, Red-breasted Parakeet *Psittacula alexandri* 1964 150. Slaty-headed Parakeet *Psittacula himalayana* x Plum-headed Parakeet *Psittacula cyanocephala* 1934 260.

Alexandrine Parakeet *Psittacula eupatria*

Blue 1926 289-290*; 1939 397. Bred 1931 198. Breeding 1906 336 (Andaman Island Alexandrine Parakeet *Psittacula eupatria magnirostris*). Breeding wild in UK 2000 186. Correspondence on breeding 1936 159-163. Feral population 1998 116; 2000 38. Ideal parrot 1898 152,182,198. Incubation period 1929 151. Longevity, "Bred almost without a break for eighteen years" 1953 219. Lutino mated to normal 1931 99. Regularity in moulting 1919 229. Successful breeding of blue 1934 238-239.

African Rose-ringed Parakeet, African Ring-necked Parakeet *Psittacula krameri krameri*

1941 66-67. Bred 1933 46; 1961 72. Breeding 1960 172-173b/w.

HYBRIDS: African Ring-necked Parakeet *Psittacula krameri krameri* x Indian Ring-necked Parakeet *Psittacula krameri manillensis* 1961 35.

Indian Ring-necked Parakeet, Indian Rose-ringed Parakeet *Psittacula krameri manillensis*

1939 129-131; 1970 92-94 (Correction 212); 1972 120-137b/w; 1976 73-83. Albino: 1973 154-156; Bred 1964 56-57. At 12,000 feet 1981 54. At liberty 1904 107. Blue: 1955 266, 1957 58-59b/w; Breeding 1951 143-144, 1955 290-293. Bred 1931 198. Bred at liberty 1932 48. Breeding 1902 46-47; 1932 263-264; 1953 159-160. Colour-dyed birds 1997 47. Cyanistic 1954 46-48. Death of a famous 1929 58-59b/w. Further notes 1989 36-37. In China 1951 74. Introduced 1987 235-236. Lutino: 1959 78, 1964 33; Breeding 1932 235; 1934 329; Establishing in captivity 1939 401. Notes on feral population 1983 84-93. Pied: 1957 58-59. Poem 1928 47. Some wild observations 1994 101-105. UK feral population 1998 185; 2001 92. Winter food for feral population 1989 210-211.

Echo Parakeet, Mauritius Parakeet *Psittacula echo*

1983 54. Breeding in wild 1989 44. Research 1984 177. Success story 1996 141. Summary of 1998 16-17. To UK 2000 140.

Slaty-headed Parakeet *Psittacula himalayana*

Maroon wing patches on female 1959 143; 1960 85,85-86. Note 1968 46.

Intermediate Parakeet, Rothschild's Parakeet *Psittacula intermedia*

1975 238-239.

Plum-headed Parakeet *Psittacula cyanocephala*

An appeal 1949 144. Bred 1966 119. Breeding 1945 14-15. Food used in rearing 1956 197. Lutino 1937 337; 1953 18; 1959 41. Notes 1898 119; 1903 187; 1956 161.

Blossom-headed Parakeet *Psittacula roseata*

Bred 1896 61. Breeding 1960 27.

Malabar Parakeet *Psittacula columboides*

Bred 1931 236; 1964 150. Breeding 1927 301-305; 1936 136-138. Nesting 1916 267-270 (Hatched).

Layard's Parakeet, Emerald-collared Parakeet *Psittacula calthropae*

1927 177*; 1953 20-21. Bred 1940 97; 1959 41. Breeding 1935 275-277; 1956 209-210. Breeding records 1955 264. Hatched 1955 46-47. Nesting (Eggs) 1931 283-286.

Derbyan Parakeet *Psittacula derbiana*

1899 144-145; 1925 33-36; 1926 145-146*,285-286; 1927 248-249,346-347; 1930 142-144. Bred 1931 23. Breeding 1933 236; 1940 82; 1956 53-55. Breeding records 1933 46. Colour change in beaks of young 1954 98. Imported 1929 153. In extreme climatic conditions 1983 160-163. Nesting of 1931 282 (Eggs).

Moustached Parakeet *Psittacula alexandri*

1954 39. Breeding 1953 151-155b/w. Susceptibility to pneumonia 1954 75.

Long-tailed Parakeet *Psittacula longicauda longicauda*
1970 167. Bred 2002 92. Notes 1970 179-185b/w.

Andaman Long-tailed Parakeet, Tytler's Long-tailed Parakeet *Psittacula longicauda tytleri*
At London Zoo 1904 12.

MACAWS

1898 22,63; 1926 156. At Tierpark Berlin 1986 191. Breeding records 1938 30. Dwarf macaws 1959 123. Longevity 1949 112. Macaws at Rode 1980 249. Macaws bred in captivity 1938 88,121,167. Smaller macaws 1927 187. Specialist macaw facility 1993 112. The "Red and Blue" Macaws 1949 66. HYBRIDS: Various hybrids 1950 94. Blue and Gold Macaw, Blue and Yellow Macaw *Ara ararauna* x Green-winged Macaw, Red and Green Macaw *Ara chloropterus* 1932 227; 1938 30. Hyacinthine Macaw, Hyacinth Macaw *Anodorhynchus hyacinthinus* x: Blue and Gold Macaw, Blue and Yellow Macaw *Ara ararauna* 1966 32; Green-winged Macaw, Red and Green Macaw *Ara chloropterus* 1975 37. Illiger's Macaw, Blue-winged Macaw *Ara maracana* x Yellow-naped Macaw, Yellow-collared Macaw *Ara auricollis* 1978 235. Green-winged Macaw, Red and Green Macaw *Ara chloropterus* x Blue and Gold Macaw, Blue and Yellow Macaw *Ara ararauna* 1947 66; 1948 175. Scarlet Macaw *Ara macao* x: Blue and Gold Macaw, Blue and Yellow Macaw *Ara ararauna* 1932 220b/w (B/w plates of hybrid 1932 282; 1936 83; 1945 28; 1964 226); Green-winged Macaw, Red and Green Macaw *Ara chloropterus* 1972 18.

Hyacinthine Macaw, Hyacinth Macaw *Anodorhynchus hyacinthinus*
Bred 1998 186; 2002 92. Breeding 1984 11-16b/w. Breeding note 1984 17b/w. Corrective surgery on chick 1997 187. Dead in shell 1981 184. Hatched 1970 135. Laid 1960 221. Longevity, sixty years 2001 138. Nesting and hand-rearing 1975 90-93b/w. Now 145 days old 1971 225. Plight of 1989 44. Tool-using 1994 68-73b/w.

Lear's Macaw, Indigo Macaw *Anodorhynchus leari*
1907 111-113*; 1981 15-16. Breeding 1985 30-31. Discovery of its home 1980 261-263. Illegal importation into UK 2000 136. Increased population 2002 86. Licuri Palm Scheme 1994 54. Second population discovered 1996 91.

Glaucous Macaw *Anodorhynchus glaucus*
1981 15-16. Longevity, more than forty-five years old 1938 282. Some at Antwerp Zoo 1955 118. Tame 1925 205.

Spix's Macaw, Little Blue Macaw *Cyanopsitta spixii*
1898 23; 1969 139-140; 1976 149-150; 1981 16; 2002 44-45. Breeding project 1996 111-112b/w. Conservation 1992 37. Conservation update 2002 90. Hatched 1992 88. Laid 1924 167. Last chance to declare 1996 81. Release 1995 44. Repatriated 2003 46. Two wild young taken 1987 173.

Blue and Gold Macaw, Blue and Yellow Macaw *Ara ararauna*

As liberty birds 1972 25-26. Breeding 1932 221-222; 1939 411-412; 1959 84b/w; 1960 56-58; 1965 84-87b/w; 1976 67-68b/w. Breeding records 1932 226-227; 1933 43. Free-flying 1965 155. Longevity, one-hundred-and-three years 2002 94. Mutations 1965 148-149. Partially hand-reared 1956 117-118.

Blue-throated Macaw *Ara glaucogularis*

Bred 2002 92. Census 1996 113. EEP scheme (European Endangered Species Programme) 1996 79-81. Recovery Plan 2003 Number 4 (Inside back cover). Studbook 1996 184. Wild observations 1994 173.

Great Green Macaw *Ara ambigua*

Survey 1996 116.

Scarlet Macaw *Ara macoa*

1949 66-69. Breeding 1935 87; 1936 338. Breeding records 1933 44. Longevity, seventy-five years old 1955 41. Nesting 1934 103-105. Twenty-eight bred 1949 31.

Green-winged Macaw, Red and Green Macaw *Ara chloropterus*

1949 69. Bred 1962 45. Breeding 1963 34-35. Number bred to date 1974 34; 1980 N/L.

Red-fronted Macaw *Ara rubrogenys*

1974 92-93,131. At Berlin Zoo 1975 170. Bred 1991 148b/w. Five chicks in a brood 1995 34.

Severe Macaw, Chestnut-fronted Macaw *Ara severa*

Breeding 1957 126-127; 1962 35-36.

Red-bellied Macaw *Ara manilata*

Breeding 1987 194-197b/w.

Blue-headed Macaw *Ara couloni*

Bred 1997 44; 2002 92. Two pairs at Loro Parque 1996 95.

Illiger's Macaw, Blue-winged Macaw *Ara maracana*

1898 65-67. Bred 1931 236. For release 1997 34-35b/w.

Yellow-naped Macaw, Yellow-collared Macaw *Ara auricollis*

At London Zoo 1920 145; 1937 97. Hatched 1964 33.

Hahn's Macaw, Red-shouldered Macaw *Ara nobilis nobilis*

Bred 1962 313; 1968 29,227.

Noble Macaw *Ara nobilis cumanensis*

10-16b/w (Bred). Breeding 1950 240-244; 1951 38. Second and third generation bred 1956 194.

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1926 178. Notes 1914 153; 1968 47. Summary of breeding records 1938 302.
HYBRIDS: Hispaniolan Conure, Hispaniolan Parakeet *Aratinga chloroptera* x
Nanday Conure, Black-headed Conure, Nanday Parakeet *Nandayus nenday* 1984
173. Jandaya Conure, Jandaya Parakeet *Aratinga jandaya* x Nanday Conure,
Black-headed Conure, Nanday Parakeet *Nandayus nenday* 1954 245; 1968 217.

Sharp-tailed Conure, Blue-crowned Parakeet *Aratinga acuticauda acuticauda*
Bred 1972 68; 1976 218. Lutino 1975 37.

Blue-crowned Conure *Aratinga acuticauda haemorrhous*
Nesting wild in Kent 2002 62.

Queen of Bavaria's Conure, Golden Conure, Golden Parakeet *Aratinga
guarouba*
"Almost to maturity" 1944 16. At Paris Zoo 1897 115. Bred 1957 74; 1995 206-
207; 1998 186. Breeding 1939 388-389b/w; 1957 200-202. Breeding records 1971
227; 1972 68. Hand-rearing diet 1975 168. Imported 1926 158. Laid 1932 253.
Naming 1966 90. Notes 1926 334-335; 1928 255-256*; 1929 229-232. Reared to a
month 1934 255. Second generation 1981 182; 1990 82-88. Six parent-reared 2002
92.

Red-throated Conure, Red-throated Parakeet *Aratinga holochlora rubritorquis*
1992 48-50.

Red-masked Conure, Red-masked Parakeet *Aratinga erythrogenys*
Bred 1970 134. Breeding 1925 318-320. Memory of an old friend 1942 172-179.
Note 1970 207.

White-eyed Conure, White-eyed Parakeet *Aratinga leucophthalmus*
Bred 1937 309. Breeding 1976 62-63.

Cuban Conure, Cuban Parakeet *Aratinga euops*
1920 122-124. Notes on the *euops* group 1914 153. On several unsuccessful
nesting attempts 1929 32-37.

Hispaniolan Conure, Hispaniolan Parakeet *Aratinga chloroptera*
Breeding 1988 162-166; 1991 74-76b/w.

Sun Conure, Sun Parakeet *Aratinga solstitialis*
1930 48-49; 1931 28. Bred 1909 192-193; 1972 215; 1974 34. Breeding 1976 20-
21b/w. Note 1972 33. Forty-four bred 2002 92.

Jandaya Conure, Janday Parakeet *Aratinga jandaya*
At liberty 1963 180-182. Bred 1929 8; 1970 165. Breeding 1955 26-27. Breeding
records 1933 44.

Golden-fronted Conure, Golden-capped Parakeet *Aratinga auricapilla*
Lutino 1974 37.

Dusky Conure, Dusky-headed Parakeet, Weddell's Conure *Aratinga weddellii*
1923 177-178.

Jamaican Conure, Jamaican Parakeet, Olive-throated Conure *Aratinga nana nana*
1936 99.

Aztec Conure, Aztec Parakeet *Aratinga nana astec*
Bred 1904 51-52.

Petz's Conure, Orange-fronted Parakeet *Aratinga canicularis*
Bred 1901 215. Breeding records 1933 44. Left- and right-footedness 1964 76-77.

Peach-fronted Conure, Peach-fronted Parakeet *Aratinga aurea*
Bred 1957 36; 1964 149. Breeding 1926 327-328; 1978 189-190. Imported 1926 158. Nestlings killed 1901 215.

Brown-throated Conure, Brown-throated Parakeet *Aratinga pertinax*
1907 126; 1931 143-144. Breeding 1908 302-303. Guiana Brown-throated Conure *Aratinga pertinax chrysophrys*: 1954 74,101-102*; Breeding 1955 222-223.

Cactus Conure, Cactus Parakeet, Caatinga Parakeet *Aratinga cactorum*
Breeding 1915 41-43.

Nanday Conure, Nanday Parakeet, Black-headed Conure *Nandayus nenday*
Bred 1917 29; 1934 317. Breeding 1901 45-46. Breeding record 1901 216. Killing their young 1901 215.

Yellow-cheeked Conure, Yellow-eared Parrot *Ognorhynchus icterotis*
1977 21-24b/w.

Thick-billed Parrot *Rhynchopsitta pachyrhyncha*
1927 89-90*,141; 1963 249; 1971 107; 1992 84. Bred 1965 198; 1967 63; 1979 31; 1995 34; 2002 93. Breeding 1974 56. Cold hardiness 1971 106-107,181. Hatched 1970 251. Longevity, thirty years 1996 45. Possible method of sexing 1973 93-95b/w. Reintroduction 1987 174. Release 1993 103.

Maroon-fronted Parrot *Rhynchopsitta terrisi*
1992 37.

Carolina Parakeet *Conuropsis carolinensis*
America's lost parrot 1965 186-187. Breeding records 1938 302; 1966 20-22. In Florida 1916 124. Laid 1904 168. Life in the Zoos 1977 42-49. Note 1972 73. USA breeding reports 1999 145.

Patagonian Conure, Burrowing Parakeet *Cyanoliseus patagonus*
1919 234; 1920 18,74; 1921 11-13. Decline 1985 64. Mutation 1995 172. Lesser Patagonian Conure *Cyanoliseus patagonus patagonus*: Breeding 1972 41-44b/w. Colony breeding 1994 127-130b/w. Escapees in South Africa 2000 94. Greater

Patagonian Conure *Cyanoliseus patagonus byroni*: Breeding 1964 109-110. Bred 1957 35. Notes 1965 57-58; 1975 38-39. *Cyanoliseus whiteyi* (?) 1926 261*.

Pyrrhura

HYBRIDS: Breeding of hybrids (Azara's Conure, Azara's Parakeet *Pyrrhura frontalis chiripepe* x *Pyrrhura melanura pacifica*) 1972 198b/w.

Blue-throated Conure, Blue-throated Parakeet *Pyrrhura cruentata*
Bred 1998 42-43.

Red-bellied Conure, Red-bellied Parakeet *Pyrrhura frontalis frontalis*
1954 187-188*. Bred 1954 76; 1957 141. Breeding 1925 131-132; 1954 40.

Azara's Conure, Azara's Parakeet *Pyrrhura frontalis chiripepe*
Breeding 1923 203-205; 1974 67.

Pearly Conure, Pearly Parakeet *Pyrrhura perlata*
1967 4-7b/w. Bred 1966 64; 1968 28.

Crimson-bellied Conure, Crimson-bellied Parakeet *Pyrrhura rhodogaster*
1928 125*. Breeding note 1995 172. Imported 1927 272.

Green-cheeked Conure, Green-cheeked Parakeet *Pyrrhura molinae*
Breeding 1979 157-159. Keeping and breeding 1984 91-93.

Prince Lucian's Conure *Pyrrhura picta luciani*
Bred 1961 36,169. Hatched 1926 323.

White-eared Conure, White-eared Parakeet *Pyrrhura leucotis leucotis*
Bred 1955 329; 1956 232; 1969 75. Breeding 1907 59-60; 1991 113-117b/w.
Breeding records 1933 44. Laid 1904 175-176.

Emma's Conure *Pyrrhura leucotis emma*
Imported 1929 323. "Nine young in one nest" 1969 133.

Fiery-shouldered Conure, Fiery-shouldered Parakeet *Pyrrhura egregia*
Bred 1991 42. Breeding 1994 144-147b/w.

Black-tailed Conure, Maroon-tailed Parakeet *Pyrrhura melanura*
Breeding 1970 141-142; 1971 108. Identifying races 1969 128,279,299.

El Oro Conure, El Oro Parakeet *Pyrrhura orcesi*
Discovered 1988 232; 1989 211-212.

Black-capped Conure, Black-capped Parakeet *Pyrrhura rupicola*
Bred 1984 243.

Rose-crowned Conure, Rose-headed Parakeet *Pyrrhura rhocephala*
Bred 1998 139.

Sulphur-winged Conure, Hoffmann's Conure, Sulphur-winged Parakeet

Pyrrhura hoffmanni

Bred 1998 42.

Austral Conure, Austral Parakeet *Enicognathus ferrugineus*

Breeding 1980 258-260*.

Chilean Conure, Chilean Parakeet *Enicognathus ferrugineus minor*

Imported 1928 197.

Slender-billed Conure, Slender-billed Parakeet *Enicognathus leptorhynchus*

Bred 1979 41. Breeding 1914 24-29; 1980 218-219. Breeding note 1995 172.

Observations on 1974 140-142.

Quaker Parakeet, Monk Parakeet, Quaker Parrot *Myiopsitta monachus*

At liberty 1901 86-87; 1903 181-183; 1968 209-210. Bred 1963 212. Breeding 1968 210-211. Breeding results 1970 35. Cannibalism 1953 39. Feeding a young cuckoo 1896 143. Nesting 1915 198-199 (Bred). Note 1898 37. Story of 1932 275-280. Strange friendship 1922 105. Wild in America 1974 75. Wild in Spain 2001 138.

Bolborhynchus

1981 92.

Sierra Parakeet, Andean Parakeet, Grey-hooded Parakeet *Bolborhynchus*

aymara

1967 179-182*. A new challenge 1967 182-183b/w. Bred 1962 213; 1963 251-252; 1964 74-75; 1965 53; 2002 93. Hatched 1963 131. "Three young in nest" 1963 256.

Mountain Parakeet *Bolborhynchus aurifrons*

1958 88. Breeding 1981 95-97.

Lineolated Parakeet, Barred Parakeet *Bolborhynchus lineola*

1978 128-136 (Bred), 200-201. Bred 1938 303; 1953 218; 1954 146; 1961 169; 1969 134. Breeding 1954 1-3*. Cinnamon 1958 88.

Andean Parakeet *Bolborhynchus orbygnesi*

Bred 1978 117.

PARROTLETS

HYBRIDS: Breeding hybrids 1953 222. Celestial Parrotlet *Forpus coelestis* x Blue-winged Parrotlet *Forpus xanthopterygius* 1968 103; 1969 14-15. Green-rumped Parrotlet *Forpus passerinus passerinus* x Blue-rumped Parrotlet, Mexican Parrotlet *Forpus cyanopygius* 1953 167-168. Spectacled Parrotlet *Forpus conspicillatus* x Green-rumped Parrotlet *Forpus passerinus passerinus* 1933 112.

Blue-rumped Parrotlet, Mexican Parrotlet *Forpus cyanopygius*

Breeding 1927 338-339; 1965 113-114. Field observations 1965 101-103b/w.

*1927 174.

Green-rumped Parrotlet, Guiana Parrotlet *Forpus passerinus passerinus*
Breeding 1926 244-246; 1934 110-111,116; 1951 53-56; 1953 94-95 (Bred).
Breeding records 1933 46. Fledged 1955 42. Second generation 1956 231.

Spengel's Parrotlet, Barranquilla Parrotlet, Turquoise-rumped Parrotlet
Forpus passerinus spengeli
Bred 1958 184.

Blue-winged Parrotlet *Forpus xanthopterygius*
Bred 1896 144; 1968 103. Breeding 1903 34,338; 1905 34-35; 1981 65-69b/w.
Breeding at liberty 1921 178-182. Observation on 1975 238.

Spectacled Parrotlet *Forpus conspicillatus*
Bred 1967 63. "Now have fourteen youngsters" 1968 71.

Celestial Parrotlet, Pacific Parrotlet *Forpus coelestis*
Bred 1958 148; 1968 103. Notes on behaviour and breeding 1964 23-25. Prolific
breeders 1958 89.

Yellow-faced Parrotlet *Forpus xanthops*
Bred 1981 182. Imported 1980 157. Notes 1982 156-158.

Brotogeris
1898 17; 1939 402b/w. Breeding two species at Loro Parque 1987 198.

All-Green Parakeet, Plain Parakeet *Brotogeris tirica*
Blue, location of coloured plate cited 1940 32. Bred 1938 303. Breeding records
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White-winged Parakeet, Canary-winged Parakeet *Brotogeris versicolorus*
Notes 1898 18; 1900 186.

Canary-winged Parakeet, Yellow-chevroned Parakeet *Brotogeris chiriri*
Bred 1968 70. Breeding 1954 227-231; 1956 194. (See also White-winged
Parakeet, Canary-winged Parakeet *Brotogeris versicolorus*).

Orange-flanked Parakeet, Grey-cheeked Parakeet *Brotogeris pyrrhopterus*
Breeding 1987 199-201; 1989 210. Breeding records 1939 404. Note 1898 18.
Nesting 1926 71 (Bred).

Tovi Parakeet, Orange-chinned Parakeet *Brotogeris jugularis jugularis*
A wonderful 1940 81-82. Blue 1939 403. Breeding records 1939 403-404. Note
1898 18.

Tuipara Parakeet, Eastern Tovi Parakeet *Brotogeris jugularis tuipara*
Tame 1906 23-24.

Cobalt-winged Parakeet *Brotogeris cyanoptera*
Breeding 1986 124-125; 1987 198-199; 1988 195-198b/w.

Golden-winged Parakeet *Brotogeris chrysopterus*
1956 43-45*. Bred 2002 186.

Tui Parakeet *Brotogeris sanctithomae*
Note 1898 18. White 1939 403.

Tepui Parrotlet *Nannopsittacus panychlora*
1981 140-142.

Brown-backed Parrotlet *Touit melanonotus*
1981 13.

Spot-winged Parrotlet *Touit stictoptera*
1983 51.

CAIQUES

1955 155*. Breeding records 1965 33. Hardiness 1961 44,144.

HYBRIDS: Black-headed Caique, Black-headed Parrot *Pionites melanocephala melanocephala* x White-bellied Caique, White-bellied Parrot *Pionites leucogaster leucogaster* 1936 294; 1958 89.

Black-headed Caique, Black-headed Parrot *Pionites melanocephala melanocephala*
1955 155-158*; 1971 202-218b/w (Bred); 1977 215-216 (Hatched). Bred 1965 33; 1967 19; 1977 231; 1974 136 (Pallid Caique *Pionites melanocephala pallida*).
Field notes 1983 43-46. Note 1955 266.

White-bellied Caique, White-bellied Parrot *Pionites leucogaster leucogaster*
1955 158-162. Bred 1955 165; 1967 19. Breeding attempt 1976 86-90b/w.
Hardiness 1961 144.

Yellow-thighed Caique, Yellow-thighed Parrot *Pionites leucogaster xanthomeria*
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Red-capped Parrot, Pileated Parrot *Pionopsitta pileata*
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Rose-faced Parrot *Pionopsitta pulchra*
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Orange-cheeked Parrot, Barraband Parrot *Pionopsitta barrabandi*
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White-crowned Parrot *Pionus senilis senilis*
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Dusky Parrot *Pionus fuscus*
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Cuban Amazon, Cuban Parrot *Amazona leucocephala leucocephala*
1942 156-158; 1953 21; 1954 167-168b/w. Bred 1960 251. Breeding 1957 17-19b/w. Second generation 1960 71.

Isle of Pines Amazon, Western Cuban Amazon *Amazona leucocephala palmarum*
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Cayman Amazon, Cayman Island Amazon *Amazona leucocephala caymanensis*
At London Zoo 1904 276,281. Notes 1930 6-7; 1978 91-92 (Laid); 1980 227.

Cayman Brac Amazon, Little Cayman Amazon *Amazona leucocephala hesternia*
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Bahamas Amazon, Bahama Parrot *Amazona leucocephala bahamensis*
1904 239-241*; 1979 18-23. Nesting 1910 80-81 (Hatched).

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A rare Amazon 1955 154. Breeding 1983 21-26b/w. Notes 1930 8.

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Red-browed Amazon, Red-browed Parrot, Red-crowned Parrot, Red-topped Amazon *Amazona rhodocorytha*

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Red-tailed Amazon, Red-tailed Parrot *Amazona brasiliensis*

1960 1-2*; 1981 6-8,14-17. Bred 1998 4. Breeding 1995 49-51*. Death of an old friend 1968 112. Poaching threat 1994 227. Protection 1996 114.

Festive Amazon *Amazona festiva festiva*

In wild and captivity 2003 28-37*.

Bodin's Amazon *Amazona festiva bodini*

1919 181-182. Notes 1930 9-10.

Yellow-faced Amazon, Yellow-faced Parrot *Amazona xanthops*

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Yellow-shouldered Amazon, Single Yellow-fronted Amazon, Yellow-shouldered Parrot, Yellow-winged Amazon *Amazona barbadensis*

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Blue-fronted Amazon, Blue-fronted Parrot *Amazona aestiva*

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Amazona ochrocephala

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Kawall's Amazon, Kawall's Parrot, White-faced Amazon *Amazona kawalli*

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1923 119-121; 1930 11; 1981 13-14. Breeding 1997 85-88b/w.

St. Lucia Amazon, Blue-faced Amazon, St. Lucia Parrot, Versicoloured Amazon *Amazona versicolor*

1902 275-277*; 1926 229*; 1959 85; 1976 101-105; 1980 248-249. Jacquot Express 1992 34-36. Notes on 1930 5-6. Rejuvenation of Jaco 1920 173-176. Status 1982 126. *2001 70.

Red-necked Amazon, Bouquet's Parrot, Dominican Blue-faced Amazon, Red-necked Parrot *Amazona arausiaca*

1901 109-111*; 1930 36-44; 1931 55; 1991 99. Studies 1996 114b/w.

St. Vincent Amazon, Guilding's Parrot, St. Vincent Parrot *Amazona guildingii*

1904 121-124*; 1926 229*; 1959 85; 1971 148; 1976 103-104; 1985 174. At London Zoo 1937 98. Bred 1973 64; 1991 154. Hand-rearing 2003 62-68*. Help for 2003 44-45. Laid again but did not incubate 1940 10. Longevity, twenty-four years old 1930 311. New pairs formed 2002 186. Notes 1900 147-149; 1930 2-4. Numbers reared at Jersey Zoo 1991 99. Status and prospects 1977 34-42b/w.

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1910 180; 1925 236; 1938 207; 1969 18-20 (Hatched); 1976 18 (Hatched); 1981 8-11b/w,12-17 (Bred). Biology and husbandry 1999 26-39b/w. Breeding 2000 170-172*. Hand-rearing 1988 139-142b/w. Its natural history and aviculture 1997 149-158b/w. Request for information 1996 144. Seven bred 2002 93.

Hawk-headed Parrot, Red-fan Parrot, Ruffed Parrot *Deroytus accipitrinus*

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Long-tailed Hermit *Phaethornis superciliosus*

Observations on a female 1976 32-39b/w (Laid). B/w 1973 202.

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Grey-breasted Sabrewing *Campylopterus largipennis*

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Swallow-tailed Hummingbird *Eupetomena macroura*

Hardiness 1935 139. Laid 1936 363. *1933 431.

White-necked Jacobin *Florisuga mellivora*

Dimorphism in female 1978 147-149b/w. *1926 25.

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HYBRIDS: Brown Violet-ear *Colibri delphinae* x: Green Violet-ear *Colibri thalassinus* 1973 129; Sparkling Violet-ear *Colibri coruscans* 1977 130b/w.

Sparkling Violet-ear *Colibri coruscans* x Green Violet-ear *Colibri thalassinus* 1979 71b/w; 1980 117.

Green Violet-ear *Colibri thalassinus*

Bred 1978 235.

Sparkling Violet-ear *Colibri coruscans*

Bred 1975 233; 1993 49. Breeding 1967 109-115. Breeding results 1992 138.

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Jamaican Mango *Anthracothorax mango*

Wild 1936 99-100.

Purple-throated Carib *Eulampis jugularis*

Note 1915 106b/w. Observations 1976 196-201b/w. Longevity, over eight years in captivity 1943 6. Wild 1930 118-119; 1976 99-100.

Green-throated Carib *Eulampis holosericeus*
Wild 1930 119-120; 1976 99.

Ruby-Topaz Hummingbird *Chrysolampis mosquitus*
Notes 1977 53-56b/w. *1926 25; *1933 43; *1934 149.

Antillean Crested Hummingbird *Orthorhyncus cristatus*
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Friiled Coquette *Lophornis magnificus*
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Popelairia

Distribution and description 1980 91.

Wire-crested Thorntail *Popelairia popelairii*
1980 91-92b/w.

Racket-tailed Coquette *Discosura longicauda*
Long-lived 1940 270. B/w 1936 48.

Blue-tailed Emerald *Chlorostilbon mellisugus*
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Glittering-bellied Emerald *Chlorostilbon aureoventris*
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Cuban Emerald *Chlorostilbon ricordii*
1915 105*. Longevity 1931 292.

Chiribiquete Emerald *Chlorostilbon olivaresi*
Discovered 1996 93.

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Fork-tailed Woodnymph *Thalurania furcata*
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Violet-bellied Hummingbird *Damophila julie*
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Golden-tailed Sapphire *Chrysuronia oenone*

Pre-mating behaviour 1972 175-176b/w.

Streamertail, Streamer-tailed Hummingbird *Trochilus polytmus*

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Buffy Hummingbird *Leucippus fallax*

Observations 1982 81-83.

Glittering-throated Emerald, Lesson's Emerald *Amazilia fimbriata*

Imported 1931 203.

Sapphire-spangled Emerald *Amazilia lactea*

B/w 1936 48.

Andean Emerald *Amazilia franciae*

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Amazilia Hummingbird *Amazilia amazilia*

Bred 1997 94. Breeding 1986 177-180b/w (*Amazilia amazilia amazilia*); 2000 157-164* (*Amazilia amazilia leucophaea*).

Speckled Hummingbird *Adelomyia melanogenys*

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Ecuadorian Piedtail Hummingbird, Ecuadorian Piedtail *Phlogophilus hemileucurus*

1975 93-95b/w.

Sword-billed Hummingbird *Ensifera ensifera*

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Juan Fernandez Firecrown *Sephanoides fernandensis*

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Chestnut-breasted Coronet *Boissonneaua matthewsii*

1972 137-140b/w,220.

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Glowing Puffleg *Eriocnemis vestitus*

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Sapphire-vented Puffleg *Eriocnemis luciani*

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Coppery-bellied Puffleg, Coppery-vented Puffleg *Eriocnemis cupreovertris*

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Booted Racket-tail *Ocreatus underwoodii*

Notes on display 1975 156-159b/w (Hatched in Germany).

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Purple-backed Thornbill *Ramphomicron microrhynchum*

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Neblina Metaltail *Metallura odomae*

Discovered 1983 53.

Tyrian Metaltail *Metallura tyrianthina*

“Moulted out” 1971 177.

Bronze-tailed Thornbill *Chalcostigma heteropogon*

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Rainbow-bearded Thornbill, Herran's Thornbill *Chalcostigna herrani*

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Long-tailed Sylph *Agelaiocercus kingi*

Nesting 1972 179 (Hatched).

Violet-tailed Sylph *Agelaiocercus coelestis*

Bred 1997 94.

Horned Sungem *Heliactin cornuuta*

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Stripe-breasted Starthroat *Heliomaster squamosus*

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Blue-tufted Starthroat *Heliomaster furcifer*

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Ruby-throated Hummingbird *Archilochus colubris*
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Black-chinned Hummingbird *Archilochus alexandri*
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Amethyst Woodstar *Calliphlox amethystina*
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Vervain Hummingbird *Mellisuga minima*
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Purple-collared Woodstar *Myrtis fanny*
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corythaix* 1968 124. Knysna Turaco *Tauraco corythaix* x Livingstone's Turaco
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Livingstone's Turaco *Tauraco livingstonii*

Thirteen bred 1993 104.

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Bannerman's Turaco *Tauraco bannermani*

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Red-crested Turaco *Tauraco erythrolophus*

1915 270-272; 1925 289b/w. Bred 1974 160. Breeding 1916 334-335 (Lived a month); 1975 4-6b/w. *1916 211.

Yellow-billed Turaco, Crested Turaco, Fraser's Turaco *Tauraco macrorhynchus*

Anatomy of nestling 1905 55-63b/w, 117-118. Nesting 1905 26-29b/w (Reared to a month). Successful breeding 1907 87-90. The Great-billed Touraco *Turacus macrorhynchus* 1914 361-362b/w.

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Bred 1964 226; 1974 160; 1976 216 (After twenty years in captivity: Longevity). Breeding 1965 25-27; 1984 209-215. Hand-rearing 1984 32-34b/w. Hatched 1972 30. Second generation reared 1980 183. Thirty-seven bred 1993 104.

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Ruspoli's Turaco *Tauraco ruspolii*

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Hartlaub's Turaco *Tauraco hartlaubi*

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White-crested Turaco *Tauraco leucocephalus*

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Violaceous Turaco, Violet Turaco *Musophaga violacea*

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1930 33*. Bred 1976 58. Breeding 1985 121-123b/w. Possible sex difference 1972
37,185.

Western Grey Plantain-Eater *Crinifer zonurus*
Eating Rose-bay Willow-herb *Epilobium angustifolium* 2002 91.

Great Blue Turaco *Corythaeola cristata*
1915 325-326b/w; 1928 152-153,163,186-188b/w,273,276; 1930 1-2*; 2002 123-
126*. Bred 1999 95; 2001 92; 2002 91. Hatched 2002 90.

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Discovered 1993 103.

Collared Scops-Owl *Otus bakkamoena*

1949 98-99. Keeping and breeding 1973 59-63. Notes on rearing 1944 13-15.

White-faced Scops-Owl *Otus leucotis*

1910 328-330b/w (Erlanger's Scops-Owl); 1927 121-122. Hand-rearing 1989 82-86b/w. Longevity, eighteen years 1968 223. Nesting 1923 201-203 (Bred).

Tropical Screech-Owl *Otus choliba*

Behaviour and moult 1984 105-108b/w.

Cloud-Forest Screech-Owl *Otus marshalli*

Discovered 1983 54.

EAGLE-OWLS

1949 100.

HYBRIDS: Virginian Eagle-Owl, Great Horned Owl *Bubo virginianus* x
European Eagle-Owl *Bubo bubo* 1951 199.

Great Horned Owl *Bubo virginianus*

1949 99. Breeding 1928 195-196; 1987 186-190b/w. Breeding records 1949 104;
1968 228. Early breeding record 1929 262. Killing Egyptian Goose *Alopochen aegyptiacus* 1944 46. Nesting 1928 97-98. Possible breeding 1928 251-252.

Magellan's Eagle-Owl *Bubo virginianus nacurutu*

Breeding 1969 53-54.

Great Eagle-Owl *Bubo bubo*

Abandoned wild young fed by captive adults 1955 152. Bred 1932 48; 1949 87-89; 1966 55. Breeding 1962 146-147; 1965 29b/w; 1975 171-172. Breeding records 1933 85; 1968 175-179. Captive bred young released 1976 219. Management 1975 72-73. Note 1927 119-120.

Turkmanian Eagle-Owl *Bubo bubo turcomanus*

Bred 1966 55; 1976 111.

Savigny's Eagle-Owl, Pharoah Eagle-Owl, Desert Eagle-Owl *Bubo ascalaphus*

Bred 1972 211.

- Bengal Eagle-Owl, Rock Eagle-Owl** *Bubo bengalensis*
Breeding 1976 136-138b/w.
- Cape Eagle-Owl** *Bubo capensis capensis*
Early breeding record 1949 104.
- Mackinder's Eagle-Owl** *Bubo capensis mackinderi*
Bred 1962 147; 1966 56; 1968 105.
- Spotted Eagle-Owl** *Bubo africanus africanus*
1927 120. Breeding 1902 39-42b/w; 1960 155-156b/w; 1966 56. Breeding at ten months old 1960 124. Experiences with 1968 213-214.
- Abyssinian Eagle-Owl, Dark-eyed Owl** *Bubo africanus cinerascens*
Breeding records 1968 191. Longevity 1987 90.
- Fraser's Eagle-Owl** *Bubo poensis*
Laid 1920 96-97. Note 1927 120-121.
- Nduk Eagle-Owl, Usambara Eagle-Owl** *Bubo vosseleri*
1984 129-134b/w.
- Forest Eagle-Owl, Spot-bellied Eagle-Owl, Nepalese Eagle-Owl** *Bubo nipalensis*
1927 125b/w.
- Milky Eagle-Owl, Verreaux's Eagle-Owl** *Bubo lacteus*
1976 111,219-220. "Has laid fertile eggs" 1940 69.
- Philippine Eagle-Owl** *Bubo philippensis*
Finance of research worker 1997 44.
- Blakiston's Fish-Owl** *Ketupa blakistoni*
1976 61-62*,218-219; 1980 114; 1985 176.
- Brown Fish-Owl** *Ketupa zeylonensis*
Apparent sexual dimorphism in call 1973 140-141. Breeding 1986 4-7b/w.
- Buffy Fish-Owl, Javan Fish-Owl, Malay Fish-Owl** *Ketupa ketupu*
Breeding 1968 17-18,101. Longevity, thirty-one years 1993 87.
- Rufous Fishing-Owl** *Scotopelia ussheri*
At London Zoo 1960 123.
- Vermiculated Fishing-Owl** *Scotopelia bouvieri*
Longevity, twenty-three years 1993 97.
- Snowy Owl** *Nyctea scandiaca*
1931 174-176; 1946 221-222; 1966 57-58. Bred 1975 72. Breeding 1959 17-18b/w; 1968 64-65; 1975 230. Breeding at a year old 1970 75. Breeding records 1898 198; 1899 72. Breeding wild in Shetlands 1967 207. Change of plumage

1929 18; 1930 138,196. Death of a tame 1916 134-137 (Longevity, twenty-four-and-a-half years). Maturity 1927 200; 1929 18. Migration 1928 11-13. Note 1965 190. Pre-1896 hatchings 1896 77.

Brown Wood-Owl *Strix leptogrammica*
Experiences with 1943 46-48.

Tawny Owl *Strix aluco*
1900 3-5; 1901 162; 1912 271-273; 1946 220. A tame 1934 119-120. "has been bred" 1896 77. Male breeding at year old 1976 194-196. Taking partridges 1961 39,113. Tapping on window 1923 279.

Spotted Owl *Strix occidentalis*
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Barred Owl *Strix varia*
Longevity, more than twenty-two years 1960 202.

Rusty-barred Owl *Strix hylophila*
Bred 1976 110,220; 1998 95.

Ural Owl *Strix uralensis*
1941 169-171b/w. Bred 1966 28 (Correction 91). Breeding 1981 237-241b/w. Note 1975 72.

Great Grey Owl *Strix nebulosa*
1981 61. Keeping and breeding 1981 233-235b/w. Laid 1966 57.

Mottled Owl *Strix virgata*
Bred 1989 30. Breeding 1976 64-65b/w.

African Wood-Owl, Woodford's Owl *Strix woodfordii*
Bred 1968 191. Breeding 1969 53 (West African Wood Owl *Strix woodfordii nuchalis*). "hatched and reared a Snowy Owl *Nyctea scandiaca*" 1962 39. Longevity, sixteen years 1972 212.

Maned Owl, Akun Scops-Owl *Jubula letti*, *Lophostrix letti*
At London Zoo 1962 76.

Spectacled Owl *Pulsatrix perspicillata*
1917 97-98b/w; 1922 159; 1927 125. Bred 1969 192; 1970 205; 1972 32; 1987 91b/w. Breeding note 1995 177. Incubating 1960 124. Longevity, twenty-two years 1993 87.

Northern Hawk Owl *Sturnia ulula*
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Eurasian Pygmy-Owl, Sparrow Owl *Glaucidium passerinum*
1921 65-66; 1927 128. Bred 1913 348; 1975 71; 1977 18-19. Note 1895 95.

- Pearl-spotted Owlet** *Glaucidium perlatum*
1910 347-349b/w; 1921 50-52; 1926 41-43; 1977 19b/w.
- Mountain Pygmy-Owl** *Glaucidium gnoma*
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- Subtropical Pygmy-Owl** *Glaucidium parkeri*
Discovered 1996 41.
- Jardine's Pygmy-Owl** *Glaucidium jardinii*
1927 128-129. Breeding 1915 244-245. Hatched 1918 75. Plumage 1921 123.
- Ferruginous Pygmy-Owl** *Glaucidium brasilianum*
Bred 1977 19b/w.
- Red-chested Owlet** *Glaucidium tephronotum*
1940 113.
- Asian Barred Owlet, Cuckoo Owl** *Glaucidium cuculoides*
1966 118. Laid 1977 19-20.
- Jungle Owlet** *Glaucidium radiatum*
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- Elf Owl** *Micrathene whitneyi*
Laid 1942 45.
- Little Owl** *Athene noctua*
1903 281-282; 1927 127; 1936 198; 1949 90-92. Bred 1975 71. Breeding 1957 44-45; 1969 96-97. "has been bred" 1896 77. Introduced 1987 233b/w; 1937 54; 1940 109.
- Burrowing Owl** *Speotyto cunicularia*
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- Powerful Owl** *Ninox strenua*
Bred 1969 34.
- Barking Owl, Winking Owl** *Ninox connivens*
"Have a nest" 1909 176.
- Australian Boobook Owl** *Ninox boobook boobook*

Bred 1926 339; 1972 148. Breeding 1976 128-136.

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Discovered 2000 46.

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Laughing Owl *Sceloglaux albifacies*
1904 331-332; 1982 61.

Stygian Owl *Asio stygius*
1921 175; 1927 123-124.

Long-eared Owl *Asio otus*
1895 96; 1903 307-308 (Wild). Nesting wild 1918 209-211b/w; 1937 54.

Striped Owl *Asio clamator*
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Australian Owlet-Nightjar *Aegotheles cristatus*
Bred 1972 214.

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1926 90b/w.

Tawny Frogmouth *Podargus strigoides*

1917 164-166. Cuvier's Podargus 1916 332-334b/w. Bred 1956 123; 1995 33; 2003 142. Breeding 1956 142-148b/w; 1983 125-132b/w. Breeding note 1995 175-176. Fertile eggs 1954 179. Notes on hand-rearing 1996 97-98.

Papuan Frogmouth *Podargus papuanus*
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Great Potoo *Nyctibius grandis*
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Grey Potoo, Common Potoo *Nyctibius griseus*
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Common Nighthawk *Chordeiles minor*
Attempt to rear 1909 96-98 ("Mosquito Hawk"). Note and longevity 1990 98-99.

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Pauraque, White-necked Nightjar *Nyctidromus albicollis*
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Eurasian Nightjar, European Nightjar *Caprimulgus europaeus*
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HYBRIDS: Nicobar Pigeon *Caloenas nicobarica* x Pheasant Pigeon *Otidiphaps nobilis* 1937 135.

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Rock Dove, Rock Pigeon *Columba livia*

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Snow Pigeon *Columba leuconota*

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Speckled Pigeon, Triangular-spotted Pigeon *Columba guinea*

1903 104-105; 1919 30-31; 1929 182. In Gambia 1923 209-211. Notes on 1984 224-232b/w.

White-collared Pigeon *Columba albitorques*
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Stock Dove, Stock Pigeon *Columba oenas*
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Common Wood Pigeon *Columba palumbus*
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Bolle's Pigeon, Bolle's Laurel Pigeon *Columba bollii*
Breeding records 1929 186; 1933 79; 1934 319.

Laurel Pigeon, Canarian Pigeon, White-tailed Laurel Pigeon *Columba junoniae*
Breeding record 1933 79.

African Olive-Pigeon, Olive Pigeon *Columba arquatrix*
Bred 1973 17. Breeding 1959 169-172b/w. Nesting and feeding 2002 63-68*.

White-throated Pigeon, Metallic Pigeon *Columba vitiensis*
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White-headed Pigeon *Columba leucomela*
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1902 287-289b/w (Bred). Bred 1940 7. Breeding at Berlin Zoo 1979 168.

Scaled Pigeon *Columba speciosa*
1929 184*. Nesting 1961 136-138 (Hatched),165 (Bred). B/w 1959 41.

Scaly-necked Pigeon, Scaly-naped Pigeon *Columba squamosa*
1899 66-67.

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1899 67. Been bred 1962 39. Clutch size 1963 132.

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Double-yolked egg hatched 2000 140. Laid 1940 69-70; 1975 81-84b/w.

Chilean Pigeon *Columba araucana*
Breeding record 1933 79.

Delegorgue's Pigeon, Eastern Bronze-naped Pigeon *Columba delegorguei*
1984 94b/w.

Madagascar Turtle Dove *Columba picturata*, *Streptopelia picturata*
Breeding 1908 79-84; 2000 107-110b/w. Breeding records 1933 81. Incubation period 1908 217-218. Note 1929 205-206.

Seychelles Turtle Dove *Columba picturata rostrata*, *Streptopelia picturata rostrata*
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Lemon Dove *Columba larvata*
1929 138; 1960 46. Bred 1979 96. Bred freely at liberty 1933 82. Breeding 1958 127-129.

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Barbary Dove *Streptopelia risoria* dom.
1952 145-147; 1953 71-72. As foster-parents 1897 135,209. At liberty 1930 192-194,252. Free-flying 1982 163-170. Longevity of 1975 180. Longevity, twenty-three years old 1898 17. Mutations 1959 181. Note 1903 105-106. Observations on semi-liberty birds 1952 205-219b/w. Possibilities of breeding 1944 46. Tame 1901 44.

European Turtle Dove *Streptopelia turtur*
1919 36-37; 1923 231-233; 1929 204. Breeding 1922 170-172 (Isabelline Turtle Dove *Streptopelia turtur isabellina*). Longevity, twenty-nine years old 1936 130. Nesting 1913 345-346. Stray notes 1985 228-230.

Dusky Turtle Dove *Streptopelia lugens*
Hand-rearing 1948 53.

Senegal Dove, Laughing Dove, Palm Dove, Senegal Laughing Dove *Streptopelia senegalensis*
1903 107,130-131; 1907 41; 1929 211-213; 1965 94. In Gambia 1919 103-104; 1923 233-234. Mutation 1984 246. Story of a 1947 97-103.

Spotted Dove, Necklaced Dove *Streptopelia chinensis*
Breeding 1898 24-27. Breeding at liberty 1936 117. Breeding record 1898 27. Notes 1929 210-211.

Mourning Collared-Dove, Deceptive Turtle Dove *Streptopelia decipiens*
1903 237; 1929 206-207. Breeding 1910 120-126.

- Vinaceous Dove, Vinaceous Turtle Dove** *Streptopelia vinacea*
1919 31-33; 1923 214-215; 1929 208. Bred 1897 135; 1903 111.
- Ring-necked Dove** *Streptopelia capicola*
1903 233-234 (Fledged); 1929 207-208. Mutation 2001 187*
- Red-collared Dove, Dwarf Turtle Dove, Red Turtle Dove** *Streptopelia tranquebarica*
1903 130b/w; 1973 197-199 (Bred).
- Red-eyed Dove, Semi-collared Dove** *Streptopelia semitorquatus*
1929 33-36; 1923 211-214 (Wild); 1903 106-107; 1907 318-324 (Bred); 1929 206.
- Eurasian Collared Dove** *Streptopelia decaocto*
1929 209-210; 1953 73. Breeding at liberty 1897 209. In Lincolnshire 1952 194. Spread in USA 2000 110.
- Burmese Collared Turtle Dove** *Streptopelia decaocto xanthocyclus*
1906 321-326b/w.
- African Collared Dove, Pink-headed Turtle Dove** *Streptopelia roseogrisea*
1921 100-104; 1929 208-209.
- Javanese Collared Dove, Island Collared Dove, Javanese Turtle Dove**
Streptopelia bitorquata
1929 207.
- Macropygia*
Adjusting quickly to confinement 1971 69.
- Bar-tailed Cuckoo Dove, Barred Cuckoo Dove** *Macropygia unchall*
Bred 1928 21; 1969 22; 1990 70. Breeding records 1933 80-81. Prolific breeders 1931 99.
- Large Brown Cuckoo Dove, Brown Cuckoo Dove** *Macropygia phasianella*
Bred 1962 176.
- Black-billed Wood Dove** *Turtur abyssinicus*
1929 111. Breeding and behaviour 1978 64-68.
- Emerald-spotted Wood Dove** *Turtur chalcospilos*
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In Gambia 1919 104-106; 1923 234-236; 1929 111. Notes 1981 111-112.
- Tambourine Dove** *Turtur tympanistris*
1903 235-236; 1929 110-111; 1984 96-98b/w. Bred 1931 98. Breeding 1906 307-310b/w. Nesting attempts 1903 398-399; 1904 100-101; 1905 376 (Hatched).

Blue-headed Wood Dove *Turtur brehmeri*

1929 114. Bred 1953 141; 1971 55-56. Notes on 1906 251-254*. Young in nest 1962 79.

Cape Dove, Namaqua Dove *Oena capensis*

1906 199-200b/w; 1929 109-110. Bred under fosters 1936 218. Breeding records 1933 82. In Gambia 1919 106-107; 1923 236-237.

Emerald Dove, Green-winged Dove *Chalcophaps indica*

1903 107-108; 1904 333 (Bred); 1906 277-280; 1914 149-152*, 194b/w; 1929 112-113. Bred 1935 260-261; 1936 301; 1967 205. "Mr Barnes-Wingdove" 1970 213-215*. Mutation 1980 119. Nesting 1901 159-160 (Eggs). Prolific breedings 1960 43. Variable bill colour 1896 64.

Stephan's Ground Dove *Chalcophaps stephani*

1929 113-114.

White-capped Ground Dove, Black Bronzewing, New Guinea Bronzewing

Henicophaps albifrons

1929 114-115; 1957 189.

Phaps

Bronzewinged Doves of Australia 1955 111b/w. Bronzewinged Pigeons 1929 109. HYBRIDS: Generic hybrids 1933 83.

Common Bronzewing *Phaps chalcoptera*

1898 41-43; 1928 1-3*; 1929 115-116; 1955 111b/w. Bred 1931 97; 1933 130; 1988 92-95; 1988 180b/w. Feeding on wineberry 1988 234. Further nesting notes 1935 151-152b/w. Nesting notes 1934 194-197.

Brush Bronzewing *Phaps elegans*

1929 116; 1955 111b/w. Habits in captivity 1904 211-214b/w (Bred), 263-266. Bred 1940 70.

Flock Pigeon, Flock Bronzewing *Phaps histrionica*

1929 116-117; 1932 76-78 (Early breeding record). Bred 1940 274; 1943 27. Flourishing wild population 1995 85-85.

Geophaps, Petrophassa

Notes on 1907 51b/w. Partridge Pigeons of Australia 1907 292b/w.

Crested Pigeon *Geophaps lophotes, Ocyphaps lophotes*

1903 108-109, 236-237; 1929 119-120; 1955 112b/w; 1988 205-210b/w. At liberty 1907 278-279; 1932 294; 1960 73-74b/w. Bred 1895 120. Breeding data 1897 204; 1936 218. Seventeen reared by fosters 1897 135.

Spinifex Pigeon, White-bellied Plumed Pigeon *Geophaps plumifera*, *Petrophassa plumifera*

1904 230-231 (Been bred); 1929 118-119; 1955 113-114b/w. Apparent assumption of breeding plumage in male 1914 112-113,178. Bred 1905 290; 1937 309. Breeding 1963 138-140. Nesting 1907 130-131 (Bred).

Partridge Pigeon, Bare-eyed Partridge Bronzewing *Geophaps smithii*, *Petrophassa smithii*

1907 292-294 (Fertile eggs); 1929 118; 1955 113b/w. Fledged 1979 169.

Squatter Pigeon *Geophaps scripta*, *Petrophassa scripta*

1907 292-297b/w; 1929 117; 1955 113b/w. Bred 1905 290; 1960 250; 1961 34. Nesting 1908 337-343 (Bred); 1909 40-45.

White-quilled Rock Dove, White-quilled Rock Pigeon *Petrophassa albipennis*

1929 117.

Chestnut-quilled Rock Pigeon *Petrophassa rufipennis*

Bred 1976 217.

Diamond Dove *Geopelia cuneata*

1897 171-174b/w; 1903 234-235; 1904 332; 1915 342-349; 1929 277-278. Fertile eggs laid at two-and-a-half months old 1900 2. Longevity, nineteen years 1916 97. Mutations 1939 352; 1983 121-122; 1984 63,127. Observations 1960 97-105b/w. Reared 1899 35. Unusual nesting habits 1936 250.

Zebra Dove, Peaceful Dove *Geopelia striata*

1928 254; 1929 18; 1929 276-277 (Early breeding record). Bred 1897 205; 1934 160,268; 1968 211. Breeding 1907 58-59. Display 1925 291-292.

Bar-shouldered Dove, Bronze-necked Dove *Geopelia humeralis*

1929 277. Bred 1899 69. Breeding records 1933 82. Incubating 1897 204.

Wonga Pigeon *Leucosarcia melanoleuca*

1929 160. Bred 1931 287; 1935 106. Hatched 1905 255; 1933 124; 1934 159. Success 2003 9-11.

Passenger Pigeon *Ectopistes migratorius*

1902 33-34; 1924 222-223. "No less than seventy Knowsley-bred birds were offered" 1947 27.
HYBRIDS: 1918 251.

Mourning Dove *Zenaida macroura*

1929 200-201. Bred 1960 224-225. Breeding 1934 188-189; 1937 266-267. Encounters with 1971 169-171b/w. "Young ready to leave nest" 1897 205.
HYBRIDS: 1934 265-266.

Grayson's Dove, Socorro Dove *Zenaida graysoni*

1929 201. Breeding 1926 223-224. Breeding records 1933 81. Request for information 1979 46.

Eared Dove, Bronze-necked Dove *Zenaida auriculata*

1929 202. Bred 1936 318-319; 1959 176. Breeding records 1933 81.

Zenaida Dove *Zenaida aurita*

1897 203-204 (Bred); 1899 68; 1900 284; 1929 201-202.

White-winged Dove *Zenaida asiatica*

1968 131-133. Hatched 1907 41-42. Nesting 1902 295-297 (Bred); 1903 131-132.

Galapagos Dove *Zenaida galapagoensis*

1929 203. Breeding 1959 135. Breeding record 1934 319. In captivity and freedom 1959 66-76b/w. Prolific flock 1958 184.

Inca Dove *Columbina inca, Scardafella inca*

1929 279.

Scaled Dove, Scaly Dove *Columbina squammata, Scardafella squammata*

1929 278. Nesting 1904 278-279 (Bred); 1960 241-244.

Common Ground Dove, Passerine Dove, Scaly-breasted Ground Dove

Columbina passerina

1899 68-69; 1900 17-19,227; 1903 235; 1929 280; 1959 116-119. Bred 1959 181. Breeding records 1933 82.

Pygmy Ground Dove, Plain-breasted Ground Dove *Columbina minuta*

1900 79; 1929 281. Breeding 1924 253-254. Breeding records 1925 27. Nesting 1908 257-260 (Bred).

Ruddy Ground Dove, Talpacoti Ground Dove *Columbina talpacoti*

1929 281. Aggression 1974 201. Bred 1929 281-282; 1933 82 (*Columbina talpacoti rufipennis*). Breeding and behaviour 1974 86-92b/w. Breeding at early age 1924 272-273. Incubation period 1905 234. Range expansion 2000 110. Reared 1904 353-354. Two nests at once 1906 114.

Buckley's Ground Dove, Ecuadorean Ground Dove *Columbina buckleyi*

1929 281. First importation into America 1969 179-180 (Bred).

Picui Dove, Picui Ground Dove *Columbina picui*

1903 236; 1929 279.

Gold-billed Ground Dove, Croaking Ground Dove *Columbia cruziana*

1929 279-280. Bred 1968 211-212. Breeding and behaviour 1974 181-188b/w.

Blue Ground Dove *Claravis pretiosa*

1929 282. Bred 1951 28; 1998 186. Fledged 1940 70.

Purple-banded Ground Dove, Purple-barred Ground Dove, Purple-winged Ground Dove *Claravis godefrida*

1929 282-283 (Early breeding record). Breeding record 1933 82.

Bare-faced Ground Dove *Metriopelia ceciliae*

Bred 1939 4; 1960 250; 1971 56.

Black-winged Dove *Metriopelia melanoptera*

1929 203-204.

White-fronted Dove, White-tipped Dove, White-tipped Ground Dove *Leptotila verreauxi*

1929 138-140. Breeding record 1933 83. Nesting 1905 130-134 (Bred).

Grey-headed Dove *Leptotila plumbeiceps*

1929 139.

Grenada Dove, Well's Ground Dove *Leptotila wellsii*

1899 68,95; 1929 141-142. Nesting 1926 221-222 (Bred).

Grey-fronted Dove, Rufous Dove *Leptotila rufaxilla*

1929 139-140. Bred 1933 56. Incubation period 1905 234. Nesting 1904 270-275 (Bred).

White-bellied Dove, Caribbean Dove *Leptotila jamaicensis*

1903 231-232; 1905 87-89*; 1929 141. Incubation period 1905 234. Nesting 1903 393-397b/w (Bred); 1904 28-30.

Grey-faced Quail Dove, Grey-headed Quail Dove *Geotrygon caniceps*

1925 298-299 (Bred); 1929 144-145. Bred 1931 287; 1959 19.

Mountain Witch Dove, Crested Quail Dove *Geotrygon versicolor*

1929 142; 1966 85-86. Bred 1940 70; 1973 142. Close-up view 1963 201-205. Keeping and breeding 1977 102.

Lined Quail Dove, White-faced Quail Dove *Geotrygon linearis*

Bred 1955 18 (*Geotrygon linearis chiriquensis*).

Key West Quail Dove *Geotrygon chrysis*

A years breeding behaviour 1968 59-61. Bred 1931 287. Dilute form 1970 66-67b/w. Nesting 1962 170-172. Nesting behaviour 1962 136-139. Notes 1909 39; 1929 143-144; 1974 45-46b/w.

Brindled Quail Dove *Geotrygon mystacea*

1929 19. Bred 1959 19.

Ruddy Quail Dove *Geotrygon montana*

1903 231; 1929 142-143; 1948 48-50. Bred 1931 343; 1955 18 (*Geotrygon montana martinica*). Breeding 1906 357-358. Breeding record 1907 82. Egg-tooth on both mandibles on squab 1925 277b/w; 1926 20. Young of 1933 55.

Blue-headed Quail Dove *Starnoenas cyanocephala*

1929 159-160; 1958 115. Breeding records 1933 84. Diet 1966 65.

Nicobar Pigeon *Caloenas nicobarica*

1929 161-162. Bred 1931 199; 1932 7; 1939 17. Breeding colony data 1993 194. Nearest living relative of Dodo 2002 47. Successful breeding using foster parents 1990 130-132. Wild data 1997 115. *2002 20.

Gallicolumba

Possible method of sexing two species 1979 105. Three species bred 1997 63. HYBRIDS: White-throated Dove, Buff-hooded Ground Dove *Gallicolumba xanthonura* x White-breasted Ground Dove, Jobi Ground Dove *Gallicolumba jobiensis* 1933 84. Truk Island Ground Dove, White-fronted Ground Dove *Gallicolumba kubaryi* x Marquesas Ground Dove, Grey-headed Ground Pigeon *Gallicolumba rubescens* 1937 126.

Luzon Bleeding Heart Pigeon *Gallicolumba luzonica*

1903 132-133b/w (Bred); 1929 145-146. Bred 1931 287; 1962 42. Breeding 1967 167-168. Breeding records 1933 83. Breeding requirements 1962 177. Breeding well 1998 44. Eyes reddish plum-coloured not brown 1900 64. Rearing 1976 163-164. Sexing 1979 105.

Negros Bleeding Heart Pigeon *Gallicolumba keayi*

“Has been kept” 1909 234. New population discovered 1998 93.

Bartlett’s Bleeding Heart Pigeon, Mindanao Bleeding Heart *Gallicolumba criniger*

1929 146-147; 1964 118. Bred 1950 6. Breeding 1909 225-234b/w*; 1963 217-222b/w. Breeding records 1933 83. Sexing 1979 105.

Lemon-breasted Dove, Golden Heart, Cinnamon Ground Dove *Gallicolumba rufigula*

At London Zoo 1913 36. Breeding 1985 129-130. Notes 1929 156-157; 1980 119. Rearing 1937 56.

Sulawesi Quail Dove, Sulawesi Ground-Dove *Gallicolumba tristigmata*

Bred 1987 111.

Jobi Ground Dove, White-breasted Ground Pigeon, White-bibbed Ground Dove *Gallicolumba jobiensis*

1923 69,82; 1929 158. Bred 1931 99,330; 1932 7; 1937 87-88. Breeding 1922 168-170. Breeding Records 1933 83.

Truk Island Ground Dove, White-fronted Ground Dove *Gallicolumba kubaryi*
1929 158.

Friendly Ground Dove, Friendly Quail Dove, Shy Ground Dove, Stair's Ground Dove *Gallicolumba stairii*
1929 157; 1935 167-168. Breeding record 1933 84.

White-throated Dove, Buff-hooded Ground Dove *Gallicolumba xanthonura*
1929 158-159. Breeding record 1933 84.

Marquesas Ground Dove, Grey-headed Ground Pigeon *Gallicolumba rubescens*
1925 79-80; 1929 159. Bred 1937 309; 1932 7. Breeding records 1933 84.

Bronze Ground Dove, Grey-throated Ground Dove, Grey-breasted Ground Dove, Beccari's Ground Dove *Gallicolumba beccarii*
1929 157. At San Diego Zoo 1942 45.

Pheasant Pigeon *Otidiphaps nobilis*
1929 160-161; 1978 111. Bred 1934 22; 1994 52. Bred for over ten years 1937 135. Breeding 1930 158-160b/w.

Green-naped Pheasant Pigeon *Otidiphaps nobilis nobilis*
1991 123-127b/w.

White-naped Pheasant Pigeon *Otidiphaps nobilis aruensis*
Laid 1951 194. *2002 29.

Pink-necked Green Pigeon *Treron vernans*
1924 294.

Orange-breasted Green Pigeon *Treron bicincta*
1924 294.

Thick-billed Green Pigeon *Treron curvirostra*
1924 294. Breeding 1964 146. Notes 1984 238-240.

Yellow-legged Green Pigeon, Yellow-footed Green Pigeon *Treron phoenicoptera*
Lutinitism in a Southern Fruit Pigeon (*Crocopus chlorogaster*) 1926 227.

African Green Pigeon *Treron calva*
Bred 1956 159. In Gambia 1919 24-30; 1923 185-187,207-209. Note 1903 232-233.

Wedge-tailed Green Pigeon *Treron sphenura*
Bred 1939 16. In confinement 1912 129-135*,165-169,228.

FRUIT DOVES

1929 63,85. Feeding fruit pigeons 1967 47. Four species bred 1997 63. Something about a fruit pigeon from Samoa 1896 59.

- Black-backed Fruit Dove** *Ptilinopus cinctus*
Bred 1995 133. Breeding 1994 189-191b/w.
- Yellow-breasted Fruit Dove** *Ptilinopus occipitalis*
Breeding 1970 146-147; 1993 148-151.
- Jambu Fruit Dove** *Ptilinopus jambu*
Bred 1992 195.
- Black-chinned Fruit Dove** *Ptilinopus leclancheri*
Breeding 1971 33-34.
- Wompoo Fruit Pigeon, Wompoo Fruit Dove, Magnificent Fruit Dove** *Ptilinopus magnificus*
At London Zoo 1921 182.
- Pink-spotted Fruit Dove, Pearl-spotted Fruit Dove** *Ptilinopus perlatus*
1913 36; 1996 25-26.
- Tanna Fruit Dove, Silver-shouldered Fruit Dove** *Ptilinopus tannensis*
1999 93.
- Orange-fronted Fruit Dove** *Ptilinopus aurantifrons*
At London Zoo 1921 152.
- Wallace's Fruit Dove** *Ptilinopus wallacii*
At London Zoo 1913 36. *1929 85.
- Superb Fruit Dove** *Ptilinopus superbus*
Bred 1995 33; 2000 75*. Hand-rearing 1999 57-64b/w. *2002 17.
- Many-coloured Fruit Dove, Perouse's Fruit Dove** *Ptilinopus perousii*
1935 164.
- Lilac-capped Fruit Dove, Lilac-crowned Fruit Dove, Coroneted Fruit Dove** *Ptilinopus coronulatus*
1953 19-20. Breeding 1923 199-200. Four bred to date 1926 44. Hatched 1923 244-245. Notes 1924 218-220.
- Beautiful Fruit Dove, Crimson-capped Fruit Dove, Wompoo Fruit Dove** *Ptilinopus pulchellus*
Bred 1997 140; 1998 132.
- Pink-capped Fruit Dove, Rose-crowned Fruit Dove, Red-crowned Fruit Dove** *Ptilinopus regina*
Bred 1933 78; 1988 232; 1996 46.
- Marianas Fruit Dove, Rose-breasted Fruit Dove** *Ptilinopus roseicapilla*
Imported 1930 398.

Orange-bellied Fruit Dove *Ptilinopus iozonus*

At London Zoo 1913 36.

Black-naped Fruit Dove *Ptilinopus melanospila*

Breeding 1932 267b/w. Husbandry and propagation 1990 178-180.

Orange Dove *Ptilinopus victor*

1935 165-166.

Golden Dove *Ptilinopus luteovirens*

1935 166.

Cloven-feathered Dove *Drepanoptila holosericea*

Breeding 1985 32-41*,242-243; 1986 234-235.

Seychelles Blue Pigeon *Alectroenas pulcherrima*

At London Zoo 1906 265; 1972 104. Bred 1939 7. Breeding 1918 157-158.

Naming 1918 172. Red-crowned Pigeon, Rose-crowned Fruit Dove *Ptilinopus regina* 1916 23-24b/w; 1917 139-141b/w; 1929 105-107*.

Mauritius Blue Pigeon, Hollandais Pigeon *Alectroenas nitidissima*

The Pigeon Hollandais 1915 61-62b/w. The true Pigeon Hollandais 1918 159-160b/w (Now extinct).

Ducula

Display and posture in some larger fruit pigeons 1972 39b/w. Drinking habit 1957 214.

Spotted Imperial Pigeon, Grey-necked Pigeon *Ducula carola*

Display and posture 1973 39.

Green Imperial Pigeon *Ducula aenea*

1924 294. Bred 1958 72. Breeding 1957 145-148*.

Blue-tailed Imperial Pigeon, Elegant Imperial Pigeon *Ducula concinna*

1995 80.

Society Island Pigeon, Polynesian Imperial Pigeon *Ducula aurorae*

At liberty in Tahiti 1940 170.

Marquesas Pigeon, Marquesan Imperial Pigeon, Hiva Imperial Pigeon *Ducula galeata*

Census and management plan 1994 110-111.

Christmas Island Imperial Pigeon *Ducula whartoni*

Hatched 1904 366 (Correction, did not hatch 1905 40).

Grey Imperial Pigeon *Ducula pickeringii*

Wild data 1997 114.

Rufous-bellied Fruit Pigeon, Purple-tailed Imperial Pigeon *Ducula rufigaster*
1995 80.

Peale's Pigeon, Peale's Imperial Pigeon *Ducula latrans*
1935 166-167.

New Caledonian Pigeon, New Caledonian Imperial Pigeon *Ducula goliath*
"Bred on many occasions in Australia" 1940 105.

Pinon Imperial Pigeon *Ducula pinon*
Bred 1993 194; 1995 80.

Banded Imperial Pigeon *Ducula zoeae*
Rearing 1939 366; 1995 80.

Mountain Imperial Pigeon *Ducula badia*
Display and posture 1973 40-41b/w. Mating ceremony 1973 44.

Pied Imperial Pigeon *Ducula bicolor*
Bred 1967 116. Breeding 1983 1-3b/w. Breeding note 1995 171. *1957 145.

White Fruit Pigeon, Sulawesi Pied Imperial Pigeon *Ducula luctuosa*
1913 36b/w.

Torresian Imperial Pigeon, Torres Strait Pigeon, Australian Pied Imperial Pigeon *Ducula spilorrhoa*
Bred 1937 308-309 (Sexing); 1966 172. Display 1973 4.

Topknot Pigeon *Lopholaimus antarcticus*
1956 107-110.

New Zealand Pigeon *Hemiphage novaeseelandiae*
1933 405-409b/w.

Bare-eyed Mountain Pigeon, Papuan Mountain Pigeon *Gymnophaps albertsii*
1995 80. Bred 1998 166. Husbandry and breeding 1999 72-76b/w*.

Goura

Studbook 1993 32.

HYBRID: Blue Crowned Pigeon, Western Ground Pigeon *Goura cristata* x
Victoria Crowned Pigeon *Goura victoriae* 1918 251 (Hatched).

Blue Crowned Pigeon, Western Crowned Pigeon *Goura cristata*
1929 162-163. Bred 1937 125; 1961 142; 1974 198. Bred to second generation
1964 147-148. Breeding 1931 20-21b/w; 1980 N/L. Extraordinary cause of death
1968 151.

Victoria Crowned Pigeon *Goura victoriae*

1929 163-164b/w. Bred 1937 125,126; 1974 198; 1995 87. Breeding 1946 199-200b/w; 1973 48b/w; 2001 76-84*. My experiences breeding 2002 1-2. Observations 1996 27-30. *2003 71.

Scheepmaker's Crowned Pigeon, Maroon-breasted Crowned Pigeon, Southern Crowned Pigeon *Goura scheepmakeri*

1929 163; 1932 141-142*. Bred 1965 70; 2001 142 (Sclater's Crowned Pigeon *Goura scheepmakeri sclateri*). Hatched 1931 336. Laid 1930 303-304.

Tooth-billed Pigeon *Didunculus strigirostris*

1929 164.

SUNBITTERN

Eurypygidae

Sunbittern *Eurypyga helias*

1914 121-123b/w; 1928 182b/w; 1995 32,205. Bred 1965 192. Breeding 1989 1-4b/w. Breeding notes 1959 137. Display and coloration 1978 150-157b/w. Hatched 2003 143. Notes 1912 254; 1968 206,208 (Breeding records).

BUSTARDS

Otididae

1928 238b/w; 1983 53. An omnivorous bustard 1907 106. Commonly encountered hatching and post-hatching problems 1999 114b/w. Management in captivity 2003 1b/w. Tracking 1995 185.

Little Bustard *Tetrax tetrax*, *Otis tetrax*

Breeding 1917 30-34b/w; 1931 133-134b/w. Notes 1911 57-61b/w; 1913 55-56.

Great Bustard *Otis tarda*, *Ardeotis tarda*, *Neotis tarda*

1897 61-63; 1904 188-191 (Hatched); 1909 184-192b/w; 1911 337; 1913 261-263b/w; 1949 1; 1981 59. An aged 1926 125-126 (Longevity, twenty-eight-and-a-half years old). At Scampston Hall 1931 128-129b/w, 130-133. Efforts in breeding 1962 169-170 (Hatched); 1965 190 (Hatched). First success in Zoo breeding 1964 218-219b/w. Problems and progress in captive breeding by the Great Bustard Trust 1980 131-140b/w. Rearing in India 1963 45-48b/w. Rearing in Spain 1933 106b/w. Spanish protection 1994 228. B/w: 1911 377; 1949 1.

Kori Bustard *Ardeotis kori*

At London Zoo 1911 44b/w. Wild 1925 313-314.

Indian Bustard *Ardeotis nigriceps*

Chick growth and development 1990 133-140b/w.

Australian Bustard *Ardeotis australis*

Display 1931 147-148.

Houbara Bustard *Chlamydotis undulata macqueenii*
Reintroduced birds breeding 1996 92.

Buff-crested Bustard *Lophotis gindiana, Eupodotis gindiana, Eupodotis ruficrista*
Breeding 1989 103-104; 2003 4b/w.

Little Black Bustard, White-quilled Bustard *Eupodotis afra*
At London Zoo 1903 11. Bred 1971 37; 1972 68; 1993 98. Breeding 1986 61-63b/w. Hand-rearing a Black Korhaan 1977 233.

Blue Bustard *Eupodotis caerulescens*
1907 139-142b/w.

Senegal Bustard, White-bellied Bustard *Eupodotis senegalensis*
1914 147. Bred 1971 76. Captive breeding 2003 107-115*.

CRANES

Gruidae

1907 347b/w; 1912 345b/w; 1928 216b/w. American cranes 1937 329. Analysis of relationship between egg order (1-15) and egg quality as determined by hatching and fledging rates in four species of crane 1994 29. As garden pets 1906 263b/w. At Woburn 1908 26,305. Breeding at Walsrode 1998 163-164b/w. Cranes in aviculture 1995 155. Evaluating pair-bond strengths 1997 107b/w. In Asian Zoos 1982 104. In captivity 1901 65; 1915 52b/w. Increasing egg fertility 1980 10b/w. Incubating eggs under broodies 1992 125. Incubation periods 1921 160. Intelligence 1907 98. Maintaining and breeding in captivity 1974 81b/w. Notes on breeding at Cotswold Wildlife Park 1972 177b/w. Notes on cranes at Lilford 1911 147b/w. Our cranes (Alderson) 1913 115. Paradise Park success 1996 140; 1997 187. Seasonal weight variations in four species 1997 71. UK Census 1982 173. Wintering in New England 1912 222,288. Woburn breeding results 1910 36; 1920 167. Worm infestations 1974 238.

HYBRIDS: Brolga, Australian Crane *Grus rubicunda* x Sarus Crane *Grus antigone* 1936 4. Grey-necked Crowned-Crane, East African Crowned-Crane *Balearica regulorum* x Black-necked Crowned-Crane, West African Crowned-Crane *Balearica pavonina* 1939 347. Lilford's Crane *Grus grus lilfordii* x White-naped Crane, Japanese White-naped Crane *Grus vipio* 1934 322. Sandhill Crane *Grus canadensis* x Wattleed Crane *Bugeranus carunculatus, Grus carunculatus* 1912 23.

Black-necked Crowned-Crane, West African Crowned-Crane *Balearica pavonina*
1903 159-160*, 195-196*; 1908 123-128; 1913 115-120. Bred 1973 16; 1999 80; 2003 72-73. Breeding 1969 37-39b/w*. Eggs 1915 69. Escaped 1902 172-173. Nesting 1913 100; 1914 233-235b/w; 1915 68 (Reared to six weeks). Pinioning 1902 124-125.

Grey-necked Crowned-Crane, East African Crowned-Crane *Balearica regulorum*

In Uganda 1917 62. Breeding 1935 60b/w; 1966 1-3b/w,64; 1976 215-216; 1977 57-60,63-68. Breeding records 1966 91; 1977 111. Fecundity 1992 67-70b/w.

Siberian Crane, Great White Crane, Siberian White Crane *Grus leucogeranus*
1921 33-34b/w; 1981 186. Flock extinct 1994 175. Laid 1911 149-150. Longevity 1968 223; 1992 136. Nesting 1920 196 (Eggs). Seasonal weight variations 1997 71-77. Two sent to Iran 1996 44.

Sarus Crane *Grus antigone*
1908 243-244b/w. At liberty 1934 168. Bred 1933 130; 1965 62-63b/w; 1972 177-178; 1975 39-40. Breeding 1910 36; 1930 89-91b/w; 1960 200. Breeding population found (Eastern Sarus Crane *Grus antigone sharpii*) 1995 89b/w; 1937 306; 1968 53. Early breeding record 1930 91. Longevity, forty-two years 1932 46. Wild in India 1930 222-223. B/w: 1937 306; 1968 53.

Brolga, Australian Crane *Grus rubicunda*
1931 197 (Been bred at Adelaide Zoo); 2000 38. Bred 1940 66; 1974 81b/w; 1999 94. Breeding 1924 251-253b/w; 1979 139-140. Nesting 1902 1-3b/w (Eggs). “Young now half grown” 1910 36.

White-naped Crane, Japanese White-naped Crane *Grus vipio*
1911 147-148b/w (Bred); 1913 221-222b/w. Bred 1910 36; 1929 7; 1932 47; 1944 94; 1968 53. Breeding and management 1992 58-66. Bronx Zoo breeding project 1980 116. Elderly male 1999 80. Incubation period 1921 160. Note 1960 130b/w.

Sandhill Crane *Grus canadensis*
Adoption of Sandhill chick by pair of Manchurians 1974 14-16. Bred 1911 148. Breeding records 1912 24; 1933 104. Dick the Sandhill Crane 1917 284-286. Nesting 1937 180-181,210 (Hatched); 1938 169-170 (Reared). Seasonal weight variations 1997 71-77. Two civilised cranes 1916 97-98.

Demoiselle Crane *Grus virgo*
1901 89-92 (Hatched),144; 1902 196-198; 1913 117-122; 1932 107-109. Bred 1933 37; 1972 177. Bred using artificial insemination (A.I.) 1991 96. Breeding 1903 390-393; 1931 134-135. Early breeding records 1904 58; 1931 134. Reared to twelve days 1931 332.

Stanley Crane, Blue Crane *Grus paradisea*
1909 83-85b/w; 1914 235-236b/w. Bred 1966 119-120; 1999 93,94; 2003 73. Breeding 1936 272-273b/w; 1944 3-4; 1972 165-169b/w; 1977 190-192b/w; 1979 96. Fitted with wooden leg 1968 30. Hardiness 1922 26-27.

Wattled Crane *Grus carunculatus*, *Bugeranus carunculatus*
Bred 1972 68. Captive breeding programme 2001 44-45. Note 1911 149b/w. Potential reasons for variation in egg-laying cycles 2001 4-9. Rare baby crane 1944 142-143 (Hatched); 1945 28 (Died). Wild 1963 134. Working group 1999 184.

Common Crane *Grus grus*
Bred 1910 36. Breeding 1988 198-201. Breeding records 1926 342; 1933 10

(Longevity and second generation).

Hooded Crane *Grus monacha*

At London Zoo 1911 268. Hatched 1943 80. Laid 1919 250; 1920 13.

Whooping Crane *Grus americana*

Death of 1931 8-11. Hatched 1957 207. In America 1941 69. Lesson in preservation 1981 135-140. Longevity, thirty-eight years 1932 46. Notes 1912 288,312b/w. Patuxent News 1968 192; 1969 148. Productive season in wild 1984 124. Reducing excessive weight loss in eggs by rehydration 1986 161-165. Seasonal weight variations 1997 71-77. Wild census 1965 134; 1966 90; 1967 206; 1968 71-72; 1971 148.

Black-necked Crane *Grus nigricollis*

1924 295. Died at Clères 1933 37. Hatched in two collections 1991 42. Pair in Japan 1926 214. Status 1993 50.

Red-crowned Crane, Japanese Crane, Manchurian Crane *Grus japonensis*

1920 3-7b/w,188 (Bred). Bred 1913 41; 1930 103; 1939 3; 1943 50; 1945 27; 1955 329; 1999 80*. Early breeding record 1921 160. First European Studbook 1991 159. Genetic and demographic management 1985 41-47. Incubation period 1921 160. Note 1960 130. Reared frequently in Japan 1926 214; 1937 329. Seasonal weight variations 1997 71-77. Studbook 1994 55. "Young doing well" 1910 36.

LIMPKIN AND FINFOOTS

Heliornithidae

Limpkin *Aramus guarauna*

1914 320-321; 1928 183.

African Finfoot *Podica senegalensis*

1927 214. In captivity 1905 47. Notes 1948 50-52.

Masked Finfoot *Heliopais personata*

1907 172; 1954 39.

TRUMPETERS

Psophiidae

1909 31b/w,76,104; 1915 199; 1924 27; 1928 181.

Grey-winged Trumpeter *Psophia crepitans*

1908 31-32b/w,104,114 (Native name); 1915 202-204b/w; 1926 1-3b/w*; 1928 182b/w. Breeding 1989 103; 2001 21-26*. Laid 1951 194-195; 1952 152 (Infertile). One hundred and seven hatched since 1985 1992 185b/w.

White-winged Trumpeter, Pale-winged Trumpeter *Psophia leucoptera*
Longevity, eleven years 1961 198.

Green-winged Trumpeter, Dark-winged Trumpeter *Psophia viridis*
1961 36-37.

SERIEMAS *Cariamidae*

1928 181.

Red-legged Seriema, Crested Seriema *Cariama cristata*
1928 181b/w; 1920 190. Behaviour 1987 242-243. Bred 1911 302b/w,340. Hand-rearing 1925 171-175. Sunning positions 1923 188-189.

Black-legged Seriema, Burmeister's Seriema *Chunga burmeisteri*
1928 181b/w.

KAGU *Rhynochetidae*

Kagu *Rhynochetos jubatus*
1905 280-282b/w; 1907 257-258b/w; 1908 119-120; 1922 74b/w; 1928 182b/w; 1930 347-348,349. Bred 1998 167b/w; 2001 92; 2002 90; 2003 88. "Bred on several occasions" 1940 105. Breeding 1919 239-242 (Hatched); 1921 28,41-42 (Bred). Conservation project and breeding report 1992 197. Cooperative agreement 1998 140-141. Hatched 1965 59-60b/w,121; 1967 128-129. In various collections 1921 183; 1931 245,251. Laid 1940 66. Little known pose 1910 51-52b/w. Nesting 1937 30 (Hatched). Notes 1925 276; 1958 68. Remarks about 1921 157-158. Voice 1920 182. B/w 1955 319.

RAILS, GALLINULES AND COOTS *Rallidae*

1928 283b/w. British rails 1908 244,303,347; 1909 112,176,198,306. Moorhens and coots of India 1907 166,223. Some rails and gallinules 1918 21b/w.
HYBRIDS: Ypecaha Wood Rail, Ypecha Rail, Giant Wood Rail, Giant Rail
Aramides ypecaha, *Eulabiornis ypecaha* x Grey-necked Wood Rail, Cayenne Wood Rail *Aramides cajanea*, *Eulabiornis cajaeus* (Eggs) 1926 306.

Sarothrura
Roosting habits 1977 111.

Red-chested Crake, Red-chested Flufftail *Sarothrura rufa*, *Coturnicops rufra*
Imported 1927 26.

- Yellow Rail** *Coturnicops noveboracensis*
Breeding and behaviour 1975 133-141b/w.
- Andaman Banded-Crake, Andaman Crake** *Rallina canningi*
At London Zoo 1904 275.
- Russet-crowned Crake** *Laterallus viridis*
Breeding the Cayenne Crake *Creciscus cayennensis* (= this species?) 1937 277-278.
- Rufous-sided Crake** *Laterallus melanophaius*
Breeding 1969 100. Note 1980 60.
- Red and White Crake, White-breasted Rail** *Laterallus leucopyrrhus*
Bred 1980 60. Breeding 1962 179-181b/w (Correction 1963 42); 1979 63-67b/w.
Breeding notes 1997 55. Observations 1966 24-26b/w. Sitting 1969 148.
- Weka, Weka Rail** *Gallirallus australis*
Breeding 1904 329-330. Breeding and behaviour of North Island Weka 1972 53-64b/w. Breeding record 1904 300-301. Hatched 1904 277. Longevity, fifteen years 1974 76. South Island Weka 1934 228-233. Wild nesting notes 1902 74.
- Lord Howe Wood Rail, Lord Howe Island Rail, Woodhen** *Gallirallus sylvestris*,
Rallus sylvestris
Captive breeding programme 1984 124; 1985 15-30b/w.
- Buff-banded Rail, Banded Land Rail** *Gallirallus philippensis*, *Rallus philippensis*
Bred at Adelaide Zoo 1939 320.
- Slaty-breasted Rail, Blue-breasted Banded Rail** *Gallirallus striatus*, *Rallus striatus*
Breeding and behaviour 1974 125-131b/w.
- Clapper Rail** *Rallus longirostris*
At London Zoo 1911 69.
- Virginia Rail** *Rallus limicola*
Breeding requirements in captivity 1977 135-141b/w.
- Water Rail** *Rallus aquaticus*
Breeding 1983 203-204. Calling 1917 190-193. In Hampshire 1909 196-198,306-307; 1916 95-96.
- Kaffir Rail** *Rallus caerulescens*
Breeding 1929 286-288b/w.
- Lewin's Rail, Slate-breasted Rail** *Lewinia pectoralis*, *Rallus pectoralis*
1896 103-105; 1915 113. Bred 1909 251.

White-throated Rail, Abbott's White-throated Rail *Dryolimnas cuvieri abbotti*,
Canirallus cuvieri
1908 219-221*.

Corncrake, Corn Crane *Crex crex*

As aviary bird 1940 71-72,163. Bred 1896 179-180; 1898 51-52; 1902 141-142;
1963 177; 1964 150. Fifty-two hatched and released 2003 143. In captivity 1945
82-83. Reintroduction project 2003 95.

Cayenne Wood Rail, Grey-necked Wood Rail *Aramides cajanea*, *Eulabiornis
cajaeus*

1918 22-23b/w. Behaviour 1980 54. Bred 1956 162. Breeding 1974 57-58.
Nesting 1926 307-310b/w.

Ypecaha Wood Rail, Ypecha Rail, Giant Wood Rail, Giant Rail *Aramides
ypecaha*, *Eulabiornis ypecaha*

Bred 1940 31; 2002 97. Breeding 1908 345-346; 1974 11-13. Breeding notes 1983
50-51.

Gymnocrex

Possible new species 1997 116.

White-breasted Waterhen, White-breasted Water Hen *Amaurornis phoenicurus*
1918 24.

Black Crane, Black Rail *Amaurornis flavirostra*

1918 23b/w; 1927 69-70; 1936 278. Bred 1956 227; 1965 118; 1972 68; 1993 106.
Breeding 1930 271-272; 1931 57; 1999 12-21*. Breeding well 1994 108. Hand-
rearing 1984 233-237b/w.

Australian Crane, Australian Spotted Crane *Porzana fluminea*

Bred 1961 141.

Sora, Sora Crane, Sora Rail *Porzana carolina*

Breeding requirements in captivity 1977 135-141.

Blackish Rail *Paradirallus nigricans*, *Rallus nigricans*

Breeding 1969 164-165b/w.

Plumbeous Rail *Paradirallus sanguinolentus*, *Rallus sanguinolentus*

Identity unsure, various reports listed give record of breeding at Paignton Zoo of
Limnopardalis rytirhynchus (= this species?) or *Limnopardalis sanguinolentus* (=
this species?) 1927 323; 1929 265; 1930 261; 1933 105.

Chestnut-bellied Rail, Chestnut Rail *Eulabeornis castaneiventris*

At London Zoo 1921 152.

Invisible Rail *Habroptila wallacii*

Rediscovered 1996 41.

Purple Gallinule *Porphyrio porphyrio porphyrio*

Behaviour 1970 98-109b/w. Bred 1910 335; 1968 192. Feeding method 1928 168. Hand-rearing and growth 1983 205-210. Helpers at nest 1970 2-4. In Britain 1962 80.

Grey-headed Gallinule, Indian Swamphen *Porphyrio porphyrio poliocephalus*

1918 21-22. Bred 1966 172. Wild in Florida 1999 44.

Pukeko, Eastern Swamphen *Porphyrio porphyrio melanotus*

1933 57. At Lilford 1932 47. Bred 1971 176.

Takahe *Porphyrio mantelli*

Burwood Bush Breeding Unit 1990 62. Increased population 1991 160. Survival of 1949 139; 1973 102; 1985 52-53b/w.

Allen's Gallinule *Porphyrio alleni, Gallinula alleni*

Bred 1976 112.

Common Moorhen *Gallinula chloropus*

Curious habits (Older feeding younger chick) 1919 131. Feeding on fish 1900 39-40,62-63. Habits 1921 143-144. Notes 1941 222; 1966 120; 1970 222. Semi-domesticated 1898 27-29 (Bred),51.

Tasmanian Waterhen, Tasmanian Native Hen *Trilonyx mortierii, Gallinula mortierii*

Bred 1952 77; 1955 263; 1968 222-223; 1969 35. Breeding 1969 52. Observations 1970 56-57.

Gough Moorhen, Gough Island Coot, Gough Island Gallinule *Gallinula nesiotis comeri*

Bred 1958 120,195; 1969 22; 1999 80. Breeding 1958 43-45. Note 1956 159.

Black-tailed Waterhen, Black-tailed Native Hen *Gallinula ventralis*

Bred 1910 335; 1911 70. Breeding records 1968 223.

Common Coot, Black Coot *Fulica atra*

Bred 1964 225.

American Coot *Fulica americana*

Breeding record 1933 106.

Red-gartered Coot *Fulica armillata*

Bred 1974 114.

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Pteroclididae

1897 177; 1906 219*; 1929 322. Breeding records 1925 85. Breeding reference 1982 61. Notes 1910 313. Notes on keeping 1931 168.

Pallas' Sandgrouse, Pallas's Sandgrouse *Syrrhaptes paradoxus*

Bred in Denmark 1932 37-38. Breeding 1986 121-124b/w. Breeding note 1995 171.

Greater Pin-tailed Sandgrouse *Pterocles alchata*

1923 183. Bred 1897 178-180; 1900 77; 1905 64; 1913 150. Breeding records 1925 85. Longevity, eighteen years 1910 133. *1906 219.

Chestnut-bellied Sandgrouse, Lesser Pin-tailed Sandgrouse *Pterocles exustus*

1923 183-184. Bred 1913 149-150. Breeding 1905 64-66. Breeding records 1925 85.

Spotted Sandgrouse *Pterocles senegallus*

1923 184. Hatched 1907 204. Laid 1931 170.

Black-bellied Sandgrouse *Pterocles orientalis*

Bred 1925 85 (Eastern Black-bellied Sandgrouse *Pterocles orientalis arenarius*).

Double-banded Sandgrouse *Pterocles bicinctus*

Breeding and behaviour 1989 69-73b/w.

Four-banded Sandgrouse *Pterocles quadricinctus*

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Grey-breasted Seedsnipe *Thinocorus orbignyianus*

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Scolopacidae

Nesting habits of plovers 1945 31b/w.

American Woodcock *Scolopax minor*

Care and exhibition 1972 64-65b/w.

Common Snipe *Gallinago gallinago*

1913 380-381 (Wrongly identified as Snipe 1914 56). A hand-reared 1909 141-142b/w. Drumming 1928 213-214. In captivity 1915 144-147,195-196. Request for captive information 1998 145.

Auckland Island Snipe, Campbell Island Snipe, Sub-Antarctic Snipe

Coenocorypha aucklandica aucklandica

Proposed captive breeding 1998 145-147b/w.

Black-tailed Godwit *Limosa limosa*

Moult 1901 160. Under threat 1994 227.

Eurasian Curlew *Numenius arquata*

1906 111-112; 1938 80; 1956 190. Albino 1900 88. Hatched under bantam 1965 30. Notes on injured 1983 233-234. Rearing 1971 16-19.

Redshank *Tringa totanus*

Hatched at London Zoo 1907 274. Rearing 1971 16-19.

Lesser Yellowlegs *Tringa flavipes*

In Lancashire 1998 94.

Common Sandpiper *Tringa hypoleucos, actitis hypoleucos*

Rearing 1904 321-324 (Wild hatched).

Spotted Sandpiper *Tringa macularia, actitis macularia*

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Turnstone, Ruddy Turnstone *Arenaria interpres*

Longevity, thirteen years 1972 212. The turning of 1910 58-60b/w.

Knot, Red Knot *Calidris canutus*

1900 158-159. Breeding 1912 199-200,230. Longevity, thirteen years 1972 212.

Dunlin *Calidris alpina*

Brief notes 1968 95-96b/w.

Ruff *Philomachus pugnax*

1897 19; 1897 38-40 (Partially hatched) 1900 54-56; 1903 141-144. Assumption of breeding plumage 1934 63. Breeding 1903 400-401; 1969 39-41. Displaying 1924 172b/w. Longevity, twenty-eight years old 1974 113.

Red-necked Phalarope *Phalaropus lobatus*

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Greater Painted Snipe *Rostratula benghalensis*

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African Jacana *Actophilornis africana*

1927 214-215. Breeding 2000 62-73b/w*. Moulting cycles in captivity 2001 115-120*. Parent-reared 2002 152-153. Rearing 1983 67-68b/w.

Comb-crested Jacana *Iredipara gallinacea*

At Taronga Park 1974 230.

Pheasant-tailed Jacana *Hydrophasianus chirutgus*

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Snowy Sheathbill *Chionis alba*

1927 246b/w. Feeding method 1928 98.

Black-billed Sheathbill *Chionis minor*

1917 111b/w.

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Stone Curlew, Eurasian Thick-knee *Burhinus oedicephalus*

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Senegal Stone Curlew, Senegal Thick-knee *Burhinus senegalensis*

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Water Dikkop, Water Thick-knee *Burhinus vermiculatus*

Bred 2002 97. Breeding 1934 301-302b/w.

Cape Dikkop, Cape Thick-knee, Spotted Thick-knee *Burhimius capensis*
Breeding 1961 162-164b/w. Brief interlude with 1947 19.

Double-striped Thick-knee, Double-striped Stone Curlew *Burhinus bistriatus*
Bred 1979 165. Techniques for hand-rearing 1987 121-129b/w.

Peruvian Stone Curlew, Peruvian Thick-knee *Burhinus superciliaris*
Breeding 1993 24-26b/w.

Southern Stone Curlew, Bush Thick-knee *Burhinus grallarius*
1911 61-62b/w. Bred 1925 50; 1929 264-265b/w; 1931 250. Breeding records
1933 105. B/w 1925 50.

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Oystercatcher *Haematopus ostralegus*
1914 45-47b/w; 1956 190-191. Bred 1976 54. Hatched under bantams 1965 30.
Longevity, twenty-eight years old 1974 113.

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Black-winged Stilt *Himantopus himantopus*
1934 37-38b/w. Bred 1965 192; 1974 114.

Black Stilt *Himantopus novaezelandiae*
1985 53-54b/w. Cross-fostered 1984 124.

Black-necked Stilt *Himantopus mexicanus*
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Banded Stilt *Cladorhynchus leucocephalus*
Bred 1974 36.

Pied Avocet *Recurvirostra avosetta*
Bred 1974 114. Breeding 1907 258-263b/w; 1969 251-252b/w. Breeding notes
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1966 28; 1968 70; 1976 218.

- Red-necked Avocet** *Recurvirostra novaehollandiae*
Bred 1974 36.
- Golden Plover** *Pluvialis apricaria*
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- Ringed Plover** *Charadrius hiaticula*
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- Little Ringed Plover** *Charadrius dubius*
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- Killdeer** *Charadrius vociferus*.
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- Kittlitz's Plover, Kittlitz's Sand Plover** *Charadrius pecuarius*
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Nest commandeered by Blacksmith Plover *Vanellus armatus*, *Anitibyx armatus*
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Incubation and rearing 1966 145-146*.
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Bred 1971 37.
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- Australian Courser, Inland Dotterel** *Peltohyas australis*
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- Northern Lapwing** *Vanellus vanellus*
1956 191; 1957 136-137; 1998 6-7. Bred 1939 173. Captive management 1931
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Banded Plover, Banded Lapwing *Vanellus tricolor*

Bred 1934 190; 1940 31; 1949 32. Breeding 1940 246-250,317,318; 1944 118-122; 1956 219,223b/w; 1957 79. Six broods in a year 1970 36.

Australian Lapwing, Masked Plover, Australian Spur-winged Plover *Vanellus miles novaehollandiae*

Bred 1959 25. Breeding note 1997 62-63. Natural range extension 2002 143.

Blacksmith Plover *Vanellus armatus, Anitibyx armatus*

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Spur-winged Plover, Spur-winged Lapwing *Vanellus spinosus*

Bred 1965 192. Third generation bred 1974 114.

Black-headed Plover, Black-headed Lapwing *Vanellus tectus*

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Wattled Lapwing, Senegal Wattled Plover *Vanellus senegallus*

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Black-winged Plover, Black-winged Lapwing *Vanellus melanopterus*

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Crowned Plover, Crowned Lapwing *Vanellus coronatus*

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Cayenne Plover, Pied Plover, Pied Lapwing *Vanellus cayanus*

“Triple Alliance” 1911 264-267 (Nesting); 1915 111-112.

Southern Lapwing *Vanellus chilensis*

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Egyptian Plover, Crocodile Bird *Pluvianus aegyptius*

1908 139-144b/w. Habits of young 1906 293.

Double-banded Courser, Two-banded Courser *Rhinoptilus africanus*

1908 23-25*.

Cream-coloured Courser *Cursorius cursor*
1922 159 (Has laid in captivity); 1970 35-36.

Pratincole, Collared Pratincole *Glareola pratincola*
Bred 1993 159.

Oriental Pratincole, Eastern Collared Pratincole *Glareola maldivarum*
Laying and artificial rearing 1961 194-195b/w.

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Hatched and reared from wild-taken egg 1905 112.

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Hardiness 1906 177. Seagulls 1919 189b/w.
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Hemprich's Gull, Sooty Gull *Larus hemprichii*
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Common Gull, Mew Gull *Larus canus*
Perching in trees 1924 171.

Greater Black-backed Gull, Great Black-backed Gull *Larus marinus*
Bred 1903 111; 1956 194.

Glaucous Gull *Larus hyperboreus*
1895 68.

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1895 68.

Herring Gull *Larus argentatus*
Bred 1903 111; 1953 174. Longevity, thirty-one years and ten months 1967 131.

Lesser Black-backed Gull *Larus fuscus*
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Grey-headed Gull *Larus cirrocephalus*
Bred 1976 54.

Silver Gull, Red-billed Gull *Larus novaehollandiae*
Bred 1900 185; 1937 289; 1971 38. Breeding records 1933 105. Longevity, at least twenty-eight years old 1955 42. Management of a captive colony 1992 173-177.

Common Black-headed Gull *Larus ridibundus*
At liberty 1946 55. Bred 1912 192. Catching moths 1902 228-229. Hatched and reared under bantam, hand fed 1931 202. Recorded from New Guinea 1980 52.

Franklins Gull *Larus pipixcan*
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1895 68.

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Common Tern *Sterna hirundo*
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Arctic Tern *Sterna paradisaea*
Australian recovery 1984 179.

Sooty Tern *Sterna fuscata*
1941 20-21.

Inca Tern *Larosterna inca*
At London Zoo 1960 123. Bred 1965 192. Breeding 1999 22-25b/w.

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AUKS
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Common Guillemot, Common Murre *Uria aalge*
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Parakeet Auklet *Cyclorrhynchus psittacula*
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Bred 1973 64; 1974 114. Fertile egg 1968 220.

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Osprey *Pandion haliaetus*

1903 269-273b/w. Breeding in Scotland 1959 183-184; 1971 150; 1972 179; 1980 180. Status 1992 40.

European Honey Buzzard, Western Honey Buzzard *Pernis apivorus*

In captivity 1906 208-209.

Square-tailed Kite *Lophoictinia isura*

1906 195-196b/w.

Red Kite *Milvus milvus*

1965 70; 1979 42. Census 1980 185. Good breeding season 1994 225.

Black Kite *Milvus migrans*

1917 296-299; 1949 94. Bred at London Zoo 1933 85; 1974 118.

Whistling Eagle *Haliastur sphenurus*

HYBRIDS: Whistling Eagle *Haliastur sphenurus* x Brahminy Kite *Haliastur indus* 1974 35.

African Fish Eagle *Haliaeetus vocifer*

Hatched 1985 170.

Pallas' Sea Eagle, Pallas's Sea Eagle *Haliaeetus leucoryphus*
1925 70-74.

White-tailed Sea Eagle *Haliaeetus albicilla*
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Bald Eagle, American Bald Eagle *Haliaeetus leucocephalus*
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Steller's Sea Eagle *Haliaeetus pelagicus*
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Eagles *Haliaeetus pelagicus niger* 1949 93-96b/w.

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Egyptian Vulture *Neophron percnopterus*
1993 51. Attempted re-introduction to Italy 1973 65. Bred 1980 53; 1998 44.
Breeding again in Italy 1975 232. Conservation Forum 1997 139. Longevity,
twenty-seven years 1972 212.

Hooded Vulture *Neophron monachus, Necrosyrtes monachus*
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**White-rumped Vulture, Indian White-backed Vulture, Oriental White-backed
Vulture** *Gyps bengalensis*
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Rueppell's Vulture, Ruppell's Vulture, Ruppell's Griffon *Gyps rueppellii*
Bred 1991 191; 1998 93. Laid 1956 125.

Griffon Vulture, Eurasian Griffon *Gyps fulvus*
Bred 1984 177. Breeding 1941 157-159b/w; 1980 61-66b/w. Breeding note 1995
171. Laid 1968 63.

- Cape Griffon, Cape Griffon Vulture, Cape Vulture** *Gyps coprotheres*
First parent-reared captive-bred 1997 45.
- Cinereous Vulture** *Aegypius monachus*
Breeding behaviour 2002 3-7b/w.
- Lappet-faced Vulture** *Torgos tracheliotus*, *Aegypius tracheliotus*
Infertile eggs 1997 32.
- Bateleur Eagle, Bateleur** *Terathopius ecaudatus*
Bred 1977 57; 1998 164b/w. In captivity 1950 49. Longevity, fifty-five years 1924 34. The Phoenix 1920 1-2b/w; 1921 147-149.
- Crested Serpent Eagle** *Spilornis cheela*
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- Marsh Harrier, Western Marsh Harrier** *Circus aeruginosus*
Hand-reared 1980 115.
- New Zealand Harrier, Pacific Marsh Harrier, Swamp Harrier** *Circus approximans*
1934 203-204.
- Hen Harrier, Northern Harrier, Marsh Hawk** *Circus cyaneus*
Nesting in Ireland 1918 205-207b/w.
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- African Goshawk** *Accipiter tachiro*
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- Grey Goshawk, White Goshawk** *Accipiter novaehollandiae*
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- Eurasian Sparrowhawk, Northern Sparrow Hawk** *Accipiter nisus*
Attacking cage-birds 1944,70. Bred 1973 63; 1974 160. Breeding attempt 1975 85-89b/w. Deregulation 1994 175. Note 1976 110.
- Northern Goshawk** *Accipiter gentilis*
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- Grasshopper Buzzard, Grasshopper Buzzard Eagle** *Butastur rufipennis*
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- Harris Hawk, Harris's Hawk** *Parabuteo unicinctus*
As pigeon scarers 1994 174. Bred 1973 141.

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Breeding note 1996 91.

Swainson's Hawk *Buteo swainsoni*
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Red-tailed Hawk *Buteo jamaicensis*
Laid 1970 164. Hatched from artificially inseminated egg 1971 148. Bred
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HYBRIDS: Common Buzzard *Buteo buteo* x Red-tailed Hawk *Buteo*
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Common Buzzard, Eurasian Buzzard *Buteo buteo*
1970 164. Bred 1971 224. Deregulation 1994 176.
HYBRIDS: Common Buzzard *Buteo buteo* x Red-tailed Hawk *Buteo jamaicensis*
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Long-legged Buzzard *Buteo rufinus*
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Bred 1994 227. Fourteenth hatched 2002 170-171*. Hatched 1985 170. Longevity,
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New Guinea Eagle, New Guinea Harpy Eagle *Harpyopsis novaeguineae*
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Monkey-eating Eagle, Great Philippine Eagle *Pithecophaga jefferyi*
1909 328; 1940 33-34b/w. Bred 1993 101. Census 1965 134; 1970 165.

Greater Spotted Eagle *Aquila clanga*
In Hertfordshire 1916 69.

Steppe Eagle *Aquila nipalensis, Aquila rapax nipalensis*
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Imperial Eagle *Aquila heliaca*

Longevity, thirty-six years old 1932 47.

Golden Eagle *Aquila chrysaetos*

1927 177b/w. Bred 1972 214; 1973 141. Laid 1899 140; 1956 125; 1968 63.

Longevity, forty years 1965 133.

Verreaux's Eagle *Aquila verreauxii*

Bred 1992 195.

Wahlberg's Eagle *Aquila wahlbergi*, *Hieraaetus wahlbergi*

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African Hawk-Eagle *Hieraaetus spilogaster*

Reared for release 1998 141-142.

Long-crested Eagle *Lophaetus occipitalis*, *Spizaetus occipitalis*

Bred at Berlin Zoo 1972 106.

Blyth's Hawk-Eagle *Spizaetus alboniger*

Bred 1980 53.

Ornate Hawk-Eagle *Spizaetus ornatus*

Bred 1981 184.

Crowned Eagle *Stephanoaetus coronatus*

Leopard of the air 1968 134-144b/w. Longevity, thirty years 1963 88.

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Sagittariidae

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1912 105-108b/w; 1912 109-111; 1917 334-337b/w; 1927 165-166; 1931 183-185. Rearing 1988 117-120b/w.

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Middle East Falcon Research Group 2000 90. Science of breeding falcons 1981 208.

HYBRIDS: Characteristics of falcon hybrids as trained birds 1990 152b/w. Peregrine

Falcon *Falco peregrinus* x Saker *Falco cherrug* 1972 150.

Mountain Caracara *Phalcoboenus megalopterus*

1968 221. Bred 2002 97.

Straited Caracara, Forster's Caracara *Phalcoboenus australis*

1920 41-43.

Crested Caracara, Common Caracara *Polyborus plancus*

Bred 1972 66-67; 1973 65. Breeding at West Berlin Zoo 1975 172-173.

African Pygmy Falcon *Polihierax semitorquatus*

Laid 1967 97. Notes and observations on hand-rearing 2000 12-21b/w*. "Often laid but never hatched" 1931 251.

Red-thighed Falconet, Collared Falconet *Microhierax caerulescens*

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Black-thighed Falconet, Black-legged Falconet, Malay Falconet *Microhierax fringillarius*

1928 58-60.

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As pet 1949 85-86. Attacking Wood Pigeons 1923 36-37. Attempting to rear 1923 172-173. Bred 1897 77; 1976 110 (Male-coloured bird laying); 1976 219 (Male-coloured bird bred). Deregulation 1994 175. Feeding young Kestrels 1924 111. Hunting variations 1924 140-142. Management 1901 233.

Mauritius Kestrel *Falco punctatus*

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American Kestrel *Falco sparverius*

Bred 1970 166; 1980 51. Laid 1970 164.

Aplomado Falcon *Falco femoralis*

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Laid 1970 164.

Bat Falcon *Falco ruficularis*

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Eurasian Hobby, Northern Hobby *Falco subbuteo*

1913 263-272b/w.

New Zealand Falcon *Falco novaeseelandiae, Falco novaeseelandiae*

1934 204-205.

Lanner *Falco biarmicus*

Bred 1973 141; 1974 160. Erlanger's Falcon, North-west African Lanner Falcon *Falco biarmicus erlangeri* 1922 24-25. Laid 1970 164.

Lugger Falcon, Lagger Falcon, Laggar Falcon *Falco jugger*
Bred 1974 233.

Saker Falcon *Falco cherrug*
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Gyrfalcon, Gyr Falcon *Falco rusticolus*
In captivity 1924 111. Bred 1974 233.

Prairie Falcon *Falco mexicanus*
Bred 1974 160.

Peregrine Falcon *Falco peregrinus*
A thriving falcon 1924 108-110. Bred (Peale's Peregrine Falcon *Falco peregrinus pealei*) 1969 33. Breeding records 1974 160. Cornell University's breeding results 1980 180. Hand-rearing 1972 150. Laying in captivity 1925 156. Protection in Sweden 1971 150. Summary of production and reintroduction 1985 79-92.

Orange-breasted Falcon *Falco deiroleucus*
Note 1983 238.

GREBES *Podicipedidae*

1929 16. Difficulty of keeping in captivity 1956 155. Notes 1899 102. Notes on Indian grebes 1907 65.

Little Grebe *Tachybaptus ruficollis*
1899 104-107; 1907 69-72. Life of Moses 1943 33-39. Nesting habits 1907 376.

Great Crested Grebe *Podiceps cristatus*
1899 103-104; 1907 65-68b/w. Studies 1955 3-13b/w,93-102b/w,131-146b/w,181-201b/w,235-251b/w,294-316b/w. The inquiry 1933 28-29.

Black-necked Grebe *Podiceps nigricollis*
1899 104; 1907 68-69; 1956 155-157.

Columbian Grebe, Colombian Grebe *Podiceps andinus*
Gravely endangered 1984 125.

Hooded Grebe *Podiceps gallardoi*
Endangered 1985 175.

BOOBIES *Sulidae*

Northern Gannet *Sula bassanus*, *Morus bassanus*

Bred 1961 140. Breeding record 1965 33-34. "Chick now quite large" 1959 137.
Long-distance ringing recovery 1974 118. Notes on in confinement 1914 312-313.

Red-footed Booby *Sula sula*

Wild caught chick hand-reared 1961 109.

CORMORANTS

Phalacrocoracidae

Cormorants of New Zealand 1934 197.

Galapagos Flightless Cormorant *Phalacrocorax harrisi*

1933 33-34b/w. Nested at Washington Zoo 1937 115.

Pied Cormorant *Phalacrocorax varius*

1934 145.

Great Cormorant *Phalacrocorax carbo carbo*

Albino 1900 88. Bred 1961 140. Breeding record 1933 105. Killing young ducks
1933 398,427. Left the nest 1960 124. Notes 1925 104-106b/w.

White-breasted Cormorant *Phalacrocorax carbo lucidus*

Bred 1994 108.

Socotra Cormorant *Phalacrocorax nigrogularis*

Population monitoring 1996 93.

Blue-eyed Cormorant, Imperial Shag *Phalacrocorax atriceps*

Bred 1991 96-97.

EGRETS, BITTERNs AND HERONS

Ardeidae

EGRETS

1902 117; 1928 68. Breeding for plumes 1903 370. Curious attitudes 1919 46.
Farming plumes 1968 91. Fashion victims 1908 171. Plumage trade 1920 18b/w.
Plumes 1913 318. Plumes and the ladies 1902 115.

Little Blue Heron *Egretta caerulea*

1930 152.

Little Egret *Egretta garzetta*

1896 17-18; 1902 118; 1913 238-242b/w; 1917 323-327b/w. Bred 1975 39.

Snowy Egret *Egretta thula*

1932 186-187.

BITTERNES AND HERONS

1896 1; 1902 115; 1919 85b/w.

HYBRIDS: Black-capped Night Heron, Black-crowned Night Heron *Nycticorax nycticorax* x Little Egret *Egretta garzetta* 1939 132. Rufous Night Heron *Nycticorax caledonicus manillensis* x Great Egret, Large Egret *Casmerodius albus*, *Casmerodius albus modesta* 1949 181.

Pileated Heron, Capped Heron *Pilherodius pileatus*

Bred 1972 68. Display 1931 250.

Grey Heron *Ardea cinerea*

“British Birds”: Report on Heronries reviewed 1929 167. Note 1979 169.

Great Blue Heron *Ardea herodias*

HYBRIDS: Sub-specific hybrid 1933 104.

Purple Heron *Ardea purpurea*

1896 1-4.

Great Egret, Large Egret *Casmerodius albus*

1902 117. Eating sparrows 1923 173-174.

Intermediate Egret *Mesophoyx intermedia*

1902 118. Bred 2002 97 (Yellow-billed Egret *Mesophoyx intermedia brachyrhyncha*).

Cattle Egret *Bubulcus ibis*

Bred 2002 97. Breeding 1964 21-22; 1964 222-223; 1966 45-46. Buff-backed Heron 1920 138-140. Liberty 1930 120,248; 1930 44-45 (Hatched). Note 1968 62.

Green Heron *Butorides virescens*

1930 151-152.

Yellow-crowned Night Heron *Nyctanassa violacea*, *Nycticorax violacea*

1930 132-134.

Black-capped Night Heron, Black-crowned Night Heron *Nycticorax nycticorax*

At liberty in Edinburgh Zoo 1964 227; 1980 184-185. Bred 1934 191. Notes on hand-rearing 1993 198-202. Remarks 1922 92-93.

Rufous Night Heron *Nycticorax caledonicus*

Bred 1976 217 (*Nycticorax caledonicus manillensis*).

HYBRID: 1956 40.

Boat-billed Heron *Cochlearius cochlearia*

Breeding at Berlin Zoo 1938 101-102. Breeding record 1968 220. Notes 1924 163-166.

Zigzag Heron *Zebriulus undulatus*

2000 49-50.

Schrenck's Bittern *Ixobrychus eurhythmus*
Wild data 1997 115.

American Bittern *Botaurus lentiginosus*
In captivity 1916 88-90. Note 1918 58.

European Bittern, Great Bittern *Botaurus stellaris*
1896 1-2. Breeding in Norfolk 1918 56-58b/w. Captive notes 1982 124-125. Notes
1919 6-7; 1920 104-106; 1922 39-40.

HAMMERKOP *Scopidae*

Hammerkop *Scopus umbretta*
1926 79-80b/w. Bred 1910 335b/w; 1911 212. Breeding at Berlin Zoo 1938 102-
103. Unique fishing techniques and nest building behaviour 2000 56-61.

FLAMINGOS *Phoenicopteridae*

1914 287b/w*. At Berlin Zoo 1975 170. At Whipsnade 1998 100. Breeding 1977
108. Breeding and management at Chester Zoo 1989 51b/w. Breeding at Slimbridge
(Summary of species and numbers reared) 1973 84. Colour feeding 1960 48. Escapee
recaptured 1910 101. Hardiness 1922 26. Hatched at Basle Zoo 1958 174. Keeping
and breeding at Slimbridge 1970 18b/w. New ration for 1959 108b/w. Plumage
fungal infections 1973 163b/w. Soda extraction threat 1994 107.

American Flamingo, Caribbean Flamingo *Phoenicopterus ruber ruber*
Best results in sixteen years 1999 96. Bred 1970 19-20. Breeding 1939 363-365.
Early weaning of hand-reared 1996 15-17. Eggs collected from Hialeah racecourse
2002 193. New lagoon exhibit 2003 94.

Greater Flamingo, Rosy Flamingo *Phoenicopterus ruber roseus*
1975 170-171b/w. Breeding at Berlin Zoo 1963 254. Rescue operation 1964 33.
Successful breeding in a small colony 1995 52-57.

Chilean Flamingo *Phoenicopterus chilensis*
Bred 1965 190. Breeding at Berlin Zoo 1975 170-171b/w. Egg management 1995
30. Longevity, fifty-one years old 1999 45. Notes on the Argentine Flamingo 1934
80-82.

Lesser Flamingo *Phoenicopterus minor*
1914 287-288b/w*. Bred 1999 45. Breeding 1997 175-181b/w*; 2000 126-
128b/w.

Andean Flamingo *Phoenicopterus andinus, Phoenicoparrus andinus*
Bred 1970 20b/w; 1999 96. Breeding at Berlin Zoo 1976 176.

James's Flamingo, Puna Flamingo *Phoenicopterus jamesi*, *Phoenicoparrus jamesi*
Expedition to collect 1960 25.

IBISES AND SPOONBILLS *Threskiornithidae*

Captive breeding programme for endangered species 1985 117. Sun-bathing behaviour 1982 96b/w.

HYBRIDS: Australian White Ibis *Eudocimus albus* x: Sacred Ibis *Eudocimus ruber* 1933 104, Straw-necked Ibis *Threskiornis spinicollis* 1966 29. Oriental Ibis, Black-faced Ibis *Threskiornis melanocephalus* x: Spoonbill *Platalea spp.* 1933 104, Straw-necked *Threskiornis spinicollis* 1970 204. Roseate Spoonbill *Ajaia ajaja* x Scarlet Ibis *Eudocimus ruber* 1973 143 (Sitting). Straw-necked Ibis *Threskiornis spinicollis* x Oriental Ibis, Black-faced Ibis, Black-headed Ibis *Threskiornis melanocephalus* 1913 290 (Hatched).

White Ibis *Eudocimus albus*
Bred 1903 111. Note 1968 62b/w.

Scarlet Ibis *Eudocimus ruber*
Attempted introduction to Florida 1968 72. Bred 1968 220; 1972 29; 1975 39. Breeding 1969 165-167b/w; 1991 25-27b/w; 2002 165-169*. Colour in confinement 1921 75,95. Hand-rearing 1983 215-217; 1988 96-100. Incubate and partially rear Sacred Ibis *Threskiornis aethiopicus* 2002 59-62.

Glossy Ibis *Plegadis falcinellus*
1915 112-113; 1917 42-43. Bred 1900 185. Breeding record 1934 321. Occurrence in Ireland 1906 363.

White-faced Ibis *Plegadis chihi*
Hatched 1968 220.

Puna Ibis *Plegadis ridgwayi*
Hand-rearing 1999 65-72.

Black-faced Ibis *Theristicus melanopsis*
1917 146-146b/w (Bred); 2002 110-112b/w.

Hadada Ibis *Bostrychia hagedash*
1927 208-209. Breeding 1993 52-53.

Waldrapp Ibis *Geronticus eremita*
Bred 1958 175. Colony management 1993 95-96. Hand-reared 1966 127. Mysterious wild deaths 1996 93.

Bald Ibis *Geronticus calvus*
Bred 1998 93; 2001 142. Hand-reared 2002 97.

Madagascar Crested Ibis, White-winged Ibis *Lophotibis cristata*
2001 142. Bred 2002 90; 2003 89.

Sacred Ibis *Threskiornis aethiopicus*
1906 275-276b/w; 1921 106-107 (Hatched). Escapee in UK 2002 143. Population explosion 1992 86.

Oriental Ibis, Black-faced Ibis, Black-headed Ibis *Threskiornis melanocephalus*
Bred 1951 65; 1970 204. Notes 1917 146. Victim of fashion 1908 178.

Red-naped Ibis, Black Ibis, King Ibis *Pseudibis papillosa*
1908 44.

Giant Ibis *Pseudibis gigantea*
New population found 2003 91. Rediscovered 1994 54.

Crested Ibis, Oriental-crested Ibis *Nipponia nippon*
Discovered in China 1982 123. Last Japanese bird died twenty-six years old 1996 42 (Longevity). Note 1982 172. Project 1987 112.

Eurasian Spoonbill *Platalea leucorodia*
1918 65-67b/w; 1919 5-6. Bred 1974 198; 1993 67.

African Spoonbill *Platalea alba*
Bred 2002 97. Breeding 1993 66-71b/w.

Black-faced Spoonbill *Platalea minor*
Population decline 1991 41.

Roseate Spoonbill *Ajaia ajaja*
Hand-rearing 1979 23-25.

SHOEBILL AND PELICANS

Pelicanidae

Shoebill *Balaeniceps rex*
1908 191-201b/w (Correction 295). Early records in captivity 1903 241; 1904 138; 1912 285; 1926 225. Programme for increasing numbers 1998 141.

PELICANS

1927 215. Breeding records 1964 220. Eating pigeons 1933 427. Longevity records 2001 139.

HYBRIDS: Dalmation Pelican *Pelecanus crispus* x Pink-backed Pelican *Pelecanus rufescens* 1968 23.

European Pelican, Great White Pelican *Pelecanus onocrotalus*
A derelict pelican 1915 339b/w. Bred 1995 30. Breeding records 1964 220. Hand-reared 1968 23.

Pink-backed Pelican *Pelecanus rufescens*
Breeding 1997 80-84.

Dalmation Pelican *Pelecanus crispus*
Breeding 1982 33-35b/w. Laid 2000 75. Second brood 1983 151-152.

Australian Pelican *Pelecanus conspicillatus*
Longevity, twenty-six years in captivity 1951 31.

American Pelican *Pelecanus erythrorhynchos*
1918 109-110b/w, 134-135b/w. Bred at West Berlin Zoo 1964 219-220. Bred twice at Washington Zoo 1930 335; 1933 105. Care and growth in captivity 1976 139-142. Eating moorhen 1999 45.

NEW WORLD VULTURES AND STORKS

Ciconiidae

VULTURES

1927 165.

Black Vulture *Coragyps atratus*
2000 51. Breeding and hand-rearing 1981 212-215. Breeding record 1933 85. Hand-reared 1963 254. Hatched 1920 115-116.

Turkey Vulture *Cathartes aura*
Hand-rearing 1997 32.

Californian Condor *Vultur californianus*
1971 148; 1981 60; 2000 48. At Washington Zoo 1937 115. Breeding 1989 104-105. Extinct in the wild 1987 175. Hatched 1983 186. Hundredth reared 2001 94. Reintroduction 1995 88. Release 1993 50. Released bird found dead 1993 105. Successful breeding season 1992 196. Wild Census 1967 130.

Andean Condor *Vultur gryphus*
Artificial incubation and rearing 1960 154. Bred 1933 459; 1971 76. Breeding at San Diego Zoo 1954 125-128b/w. Condor cliffs at Chester Zoo 1997 1-3b/w. Hatched 1896 77. Rearing in captivity 1953 22-23b/w. Sexable on hatching 1952 95. Longevity, sixty-four years old 1956 196. Young died with overburden of stones in stomach 1968 23.

King Vulture *Sarcorhamphus papa*
Bred 1961 141; 1968 104; 1982 150. Breeding 1968 17b/w.

STORKS

Reflections on 1955 202.

HYBRIDS: Intergeneric hybrid 1943 141-144b/w (Painted Stork *Mycteria leucocephala* x Lesser Adjutant Stork *Leptoptilos javanicus*).

- Wood Stork** *Mycteria americana*
Breeding record 1934 321.
- Milky Stork** *Mycteria cinerea*
1990 188. Twenty-five bred 1996 91.
- Yellow-billed Stork** *Mycteria ibis*
1995 80.
- Painted Stork** *Mycteria leucocephala*
Colour development 1919 140-141b/w; 1966 123.
- Asian Open-billed Stork, Asian Openbill** *Anastomus oscitans*
Bred 2001 142. "Shell Ibis" 1916 264. B/w 1919 139.
- African Open-billed Stork, African Openbill** *Anastomus lamelligerus*
Bred 2001 142.
- Abdim's Stork** *Ciconia abdimii*
Bred 1995 135.
- Woolly-necked Stork** *Ciconia episcopus*
Bred 1998 93.
- Storm's Stork** *Ciconia stormi*
Bred 2001 185. Nesting in Thailand 1988 108.
- White Stork** *Ciconia ciconia*
1902 10; 1911 40. "Agrippa" 1913 301-302. Bred 1903 183; 1968 62; 1975 40;
Hatched 1911 241; 1974 161. Incubation period 1929 249. Wild 1990 105-114.
- Oriental Stork, Eastern Stork, Oriental White Stork** *Ciconia boyciana*
Captive management 1985 92-101b/w; 1988 108. Keeping 1982 127-128b/w.
Longevity, thirty years 1963 254. Population census 1965 134. Possible
reintroduction 1996 92. Returned to Korea 1998 140.
- Saddle-billed Stork** *Ephippiorhynchus senegalensis*
1927 209.
- Jabiru** *Jabiru mycteria*
1920 114b/w.
- Lesser Adjutant Stork** *Leptoptilos javanicus*
2000 46.
- Marabou Stork** *Leptoptilos crumeniferus*
Longevity, twenty-one-and-a-half years 1968 102.
- Greater Adjutant Stork** *Leptoptilos dubius*
Population decline 1991 41.

FRIGATE BIRDS

Fregatidae

Frigate Bird Post of the Pacific 1918 283-285. Longevity, eight years in captivity 1937 137.

PENGUINS

Spheniscidae

1929 14b/w. At Edinburgh Zoo 1945 83; 1962 150; 1965 135; 1967 132. Colony death 1999 142. In captivity 1983 189b/w. In wild and captivity 1954 132b/w. New penguin development 2000 85. Of Macquarie Island 1920 86b/w. Penguin pool at Chester Zoo 1967 169. Planet Penguin 2000 86. Thiamine deficiency in diet 1978 115.

HYBRIDS: Adelie Penguin *Pygoscelis adeliae* x Gentoo Penguin *Pygoscelis papua* 1968 151.

King Penguin *Aptenodytes patagonicus*

At London Zoo 1900 13. Bred at: London Zoo 1952 190, St Louis Zoo 1978 175. Breeding notes 1954 146. Breeding records 1934 323. Expedition to collect eggs 1998 169-179b/w*. Longevity, fifteen years and ten months 1972 212. Note 1954 179-180. Reared from wild collected eggs 1998 139. Rearing in captivity 1960 19-20b/w. Weight data 1952 229.

Emperor Penguin *Aptenodytes forsteri*

Bred 1981 61. In Europe 1933 169-170.

Gentoo Penguin *Pygoscelis papua*

Bred 1940 286; 1970 166. Note 1959 140-141; 1969 148.

Chinstrap Penguin *Pygoscelis antarctica*

Hatched 1945 84.

Macaroni Penguin *Eudyptes chrysolophus*

Bred at Edinburgh Zoo 1945 84; 1952 78.

Yellow-eyed Penguin *Megadyptes antipodes*

1934 227-228. Increase in wild population 1993 217.

Little Penguin, Little Blue Penguin *Eudyptula minor*

1934 138-139; 1950 252-253b/w; 1970 21-24b/w.

Black-footed Penguin, Jackass Penguin *Spheniscus demersus*

1918 141-142b/w; 1918 142-143. Albino 2003 46. Bred at Adelaide Zoo 1942 58; (Again 1943 27). Breeding at Berlin Zoo 1974 192. Breeding record 1934 323. Declining populations 1980 179. Hatched 1906 315. Longevity, fourteen-and-a-half years 1972 212. Note 1958 86,87.

Humboldt Penguin, Humboldt's Penguin *Spheniscus humboldti*

At Cotswold Wildlife Park 1995 132-134. Breeding and rearing 1987 61-72b/w.
Breeding at Berlin Zoo 1974 192. Effects of Vitamins A and E on fertility 2001
167 176.

Magellan Penguin, Magellanic Penguin *Spheniscus magellanicus*

Bred 1951 148; 1968 223.

Galapagos Penguin *Spheniscus mendiculus*

1936 184-185b/w (Laid). Hatched 1947 76-77.

DIVERS

Gaviidae

1929 15.

PETRELS, SHEARWATERS, DIVING PETRELS, ALBATROSSES AND STORM-PETRELS

Procellariidae

Shearwaters in confinement 1925 151. Species separation in petrels 1983 238.

Antarctic Giant Petrel *Macronectes giganteus*

Kept for over a year 1973 65.

Northern Fulmar *Fulmarus glacialis*

1919 2-4b/w.

Cook's Petrel *Pterodroma cookii*

1934 128-130.

Bermuda Petrel *Pterodroma cahow*

Hand-reared 1973 64-65.

Black-capped Petrel *Pterodroma hasitata*

1930 156-157.

Flesh-footed Shearwater, Fleshy-footed Shearwater *Puffinus carneipes*

1934 139-142.

Sooty Shearwater *Puffinus griseus*

1935 34-37.

Short-tailed Shearwater *Puffinus tenuirostris*

Laid 1973 67. The Mutton Bird of Australia 1902 198-199.

Manx Shearwater *Puffinus puffinus*
Nocturnal frolics 1915 79. Note 1954 20-21.

Mascarene Shearwater *Puffinus atrodorsalis*
Discovered 1996 43.

Heinroth's Shearwater *Puffinus heinrothi*
Rediscovery 1980 N/L.

ALBATROSS

Experiences with captive 1973 213.

Amsterdam Island Albatross *Diomedea amsterdamensis*
Discovered 1983 238.

Galapagos Albatross *Diomedea irrorata*
"Albie" 1969 235-237*. Longevity, four years in captivity 1937 290.

Black-browed Albatross *Diomedea melanophris*
1973 65.

Storm-Petrel *Hydrobates pelagicus*
Captive notes 1912 111-113. Nesting notes 1897 41-45b/w (Wild). Nocturnal frolics 1915 79. Origin of "Mother Carey's Chicken" 1968 226.

NEW ZEALAND WRENS

Acanthisittidae

Rifleman *Acanthisitta chloris*
1933 356-357.

Rock Wren *Xenicus gilviventris*
1935 42-43.

PITTAS

Pittidae

1925 161*. Breeding records 1980 N/L. Breedings 1997 120. Notes on rare pittas 1931 210; 1932 55. Pittas in captivity 1902 8. Recent imports 1990 194. Summary of species in European collections 2002 75*.

Blue-backed Pitta, Blue-rumped Pitta, Annamese Pitta *Pitta soror*
1931 217-219.

Giant Pitta *Pitta caerulea*
Breeding 1979 109-111b/w (Hand-reared).

Banded Pitta, Blue-tailed Pitta *Pitta guajana*

1931 221-222; 1932 55. Bred 2001 142 (*Pitta guajana schwaneri*). Breeding 1974 42-44b/w (*Pitta guajana irena*); 2002 113-122*. Plumage variation 1974 41*.

Elliot's Pitta, Bar-bellied Pitta *Pitta ellioti*

1929 131-132*. Bred 1939 350. Note 1931 221.

Gurney's Pitta *Pitta gurneyi*

In captivity 1992 142-143. New population found 2003 93. Population 1991 41; 1993 160; 2000 136. Sightings 1987 175. Site protection 1996 43.

Blue-headed Pitta *Pitta baudii*

1932 57-58.

Hooded Pitta *Pitta sordida*

1931 215-217,220-221; 1959 33-34*; (Reprinted 1997 124-125). Breeding 1934 222-226; 1997 120-123 (Reprinted 1997 120-123). Breeding and hand-rearing 1989 119-128. Courtship behaviour 1933 63-64. Laid 1963 206. Sexing 1933 180. Twenty-six bred 2002 43. *1994 90.

Halmahera Pitta *Pitta maxima*

Note 1931 211; 1933 6-7*.

Red-breasted Pitta, Red-bellied Pitta, Blue-breasted Pitta *Pitta erythrogaster*

1933 62* (*Pitta erythrogaster macklotii*).

Garnet Pitta *Pitta granatina*

1932 55-57.

African Pitta, Angolian Pitta *Pitta angolensis*

1925 312; 1931 215.

Bengal Pitta, Indian Pitta, Blue-winged Pitta *Pitta brachyura*

1902 8-9,179-185b/w,257-262; 1958 107-109*. Breeding 1962 33-35b/w; 1960 227. Note 1931 212. Sexing 1903 29.

Blue-winged Pitta, Moluccan Pitta *Pitta moluccensis*

1939 170. Bred 1973 229; 1993 159.

Elegant Pitta *Pitta elegans*

Breeding 2000 165-169*.

Noisy Pitta *Pitta versicolor*

Bred 1980 N/L; 1991 191.

BROADBILLS
Eurylaimidae

1925 168. Recent imports 1990 194.

Black and Red Broadbill, Red and Black Broadbill *Cymbirhynchus macrorhynchus*
1931 276.

Long-tailed Broadbill *Psarisomus dalhousiae*
Bred 1994 184; 2002 91. Eighteen hand-reared 2003 86.

Lesser Green Broadbill, Green Broadbill *Calyptomena viridis*
1929 231-232*; 1930 49; 1931 113,276-277. Bred 1994 52,184. Breeding 1996 1-5b/w; 1997 15-19. Imported 1929 10,326. Longevity, nine years 1968 223. Observations on behaviour 1970 16-17b/w.

Hose's Broadbill *Calyptomena hosii*
Imported 1929 326; 1931 277.

TYRANT FLYCATCHERS, COTINGAS AND MANAKINS *Tyrannidae*

TYRANT FLYCATCHERS

1925 165. Of Canada 1939 52. Recent imports 1990 194

Kaempfer's Tody-Tyrant *Hemitriccus kaempferi*
Rediscovered 1993 51.

Restinga Tyrannulet *Phylloscartes kronei*
Discovered 1993 215.

Bahia Tyrannulet *Phylloscartes beckeri*
Discovered 1996 43.

Vermilion Flycatcher, Scarlet Flycatcher *Pyrocephalus rubinus*
1952 83-86,196-198. Bred 1964 180.

Little Widow Tyrant, White Monjita *Xolmis irupero*
At London Zoo 1939 272.

Masked Water Tyrant, Courier's Water Tyrant *Fluvicola nengeta*
Breeding 1935 171-175 (Fledged only).

Scissor-tailed Flycatcher *Muscivora forficata*
Wild 1939 322.

Grey Kingbird *Tyrannus dominicensis*
Wild 1930 123.

Great Kiskadee, Kiskadee Flycatcher *Pitangus sulphuratus*
At London Zoo 1912 36. Bred 1964 221; 1972 214. Breeding 1962 64-66; 1965 145; 1966 87. Breeding record 1962 178. Early avicultural record 1928 100. Note

1977 211. Poem 1927 144.

COTINGAS

1925 163*. Recent imports 1990 194.

Black-tailed Tityra *Tityra cayana*

2000 50.

Chestnut-bellied Cotinga *Doliornis remseni*

Discovered 1995 45. Range extension 1994 225.

Green and Black Fruiteater, Black-throated Cotinga, Rieffer's Cotinga *Pipreola riefferii riefferii*

Breeding 1963 141-144. Imported 1915 379.

Orange-bellied Fruiteater, Orange-bellied Cotinga, Yellow-vented Cotinga

Pipreola aureopectus, Pipreola jucunda

Breeding 1966 18-20b/w. Hatched 1965 12. Imported 1915 379.

Purple-throated Cotinga *Porphyrolaema porphyrolaema*

At London Zoo 1929 265; 1930 113-114*.

Spangled Cotinga *Cotinga cayana*

Bred 2002 91.

Purple-throated Fruitcrow *Querula purpurata*

2003 78-79*.

Red-ruffed Fruitcrow, Red-breasted Fruitcrow, Scutated Fruitcrow *Pyroderus scutatus*

At London Zoo 1958 98.

UMBRELLABIRDS

1972 79.

Bare-necked Umbrellabird, Bare-throated Umbrellabird *Cephalopterus glabricollis*

1936 211-212b/w; 1943 29-30b/w. Longevity, twelve years 1972 82.

Long-wattled Umbrellabird *Cephalopterus penduliger*

1995 98-102b/w. Longevity, eleven years 1972 82.

Amazonian Umbrellabird *Cephalopterus ornatus*

At Washington Zoo 1952 153. Imported 1909 362-363b/w; 1950 206b/w.

Capuchinbird *Perissocephalus tricolor*

Bred 1993 105. Breeding 1994 3-7*.

AMERICAN BELLBIRDS

1937 213.

Bearded Bellbird *Procnias averano*

B/w 1937 213.

Bare-throated Bellbird, Naked-throated Bellbird *Procnias nudicollis*

B/w 1937 213.

Guianan Cock-of-the-Rock, Orange Cock-of-the-Rock *Rupicola rupicola*

1910 257-258,319-324*; 1914 202. At London Zoo 1910 290; 1928 197; 1992 153-154. At St. Louis Zoo 1931 263-265b/w. Display 1961 102-106b/w. *1925 162.

Andean Cock-of-the-Rock, Scarlet Cock-of-the-Rock *Rupicola peruviana*

1942 29-30b/w; 1948 1-2*. Artificial incubation and hand-rearing 1989 153-161b/w. Breeding 1980 1-4b/w. Hatched 2002 90. Hatched and longevity sixteen years 1997 66. "Hatched some years ago" 1957 49. Longevity, over twenty years old 1974 113. Reared to twenty-three days 1970 251.

MANAKINS

Diet 1933 39. Feeding 1951 73. In captivity 1969 117*. Recent imports 1990 194. Two rare 1931 237*.

Golden-headed Manakin *Pipra erythrocephala*

1969 118*.

Red-headed Manakin *Pipra rubrocapilla*

1933 39.

Blue-rumped Manakin *Pipra isidorei*

1969 117.

Long-tailed Manakin *Chiroxiphia linearis*

Notes 1973 145-146*.

Blue-backed Manakin, Superb Manakin *Chiroxiphia pareola*

Breeding 1973 1-3*. Fledged 1973 142. Hatched 1976 220. Imported 1910 290; 1931 237*; 1933 39.

Swallow-tailed Manakin *Chiroxiphia caudata*

Improved diet 1968 43. Near miss 1981 113-114.

Golden-winged Manakin *Masius chrysopterus*

1969 118-119*.

Pin-tailed Manakin, Military Manakin *Ilicura militaris*

Improved diet 1968 43.

White-bearded Manakin *Manacus manacus*

Bred 2000 140; 2002 91. Imported 1929 265; 1931 237*; 1933 39; 1973 145-146*. Wild 1931 294-295.

TYPICAL ANTBIRDS

Thamnophilidae

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At London Zoo 1900 184; 1964 186-188 (Bred). Bred 1948 97. Breeding 1949 8.
Hatched 1963 208.

White-browed Woodswallow *Artamus superciliosus*
1945 76. Bred 1960 229-230. Breeding 1908 299,348; 1949 7-8. Killing mice
1908 160. Notes 1918 79-83b/w (Wild).

Black-faced Woodswallow *Artamus cinereus*
Bred 1963 131.

Dusky Woodswallow *Artamus cyanopterus*
Bred 1947 76. Breeding 1949 6-7.

OLD WORLD ORIOLES

Recent imports 1987 172. Species which have been kept in captivity 1940 238.

Golden Oriole *Oriolus oriolus*
1945 50.

African Golden Oriole *Oriolus auratus*
At London Zoo 1925 191.

African Black-headed Oriole, Eastern Black-headed Oriole *Oriolus larvatus*
Breeding 1965 50-51. Fledged 1965 10-11.

Asian Black-headed Oriole, Black-headed Oriole, Black-hooded Oriole *Oriolus
xanthornus*
1958 119b/w.

Crimson-breasted Oriole, Black and Crimson Oriole *Oriolus cruentatus*

1938 308b/w.

Maroon Oriole *Oriolus traillii*

1911 184-185b/w.

Southern Figbird, Green Figbird *Sphecotheres viridis vieilloti*

Bred 1967 130.

Pied Cuckooshrike *Coracina bicolor*

Wild data 1997 115.

White-winged Triller, White-shouldered Triller *Lalage sueurii*

At London Zoo 1914 322.

MINIVETS

1925 8. Of India 1949 126. Recent imports 1990 194. What do they eat? 1993 186.

Small Minivet *Pericrocotus cinnamomeus*

1949 127. Longevity, twelve years old 1972 150.

White-bellied Minivet, Jerdon's Minivet *Pericrocotus erythropygus*

1949 127.

Short-billed Minivet *Pericrocotus brevirostris*

1909 308. At London Zoo 1913 211; 1938 205-206*; 1950 256. Exhibited 1913 93b/w.

Scarlet Minivet *Pericrocotus flammeus*

1949 126-127.

White-throated Fantail *Rhipidura albicollis*

Hand-reared 1932 102.

Willie-Wagtail, Black and White Fantail *Rhipidura leucophrys*

1900 163. Bred 1954 96.

Grey Fantail, Collared Grey Fantail *Rhipidura fulginosa*

1933 403-405; 1934 202.

DRONGOS

1923 83b/w. Recent imports 1987 172.

Black Drongo *Dicrurus macrocercus*

Bred 1992 184 (*Dicrurus macrocercus thai*).

White-bellied Drongo *Dicrurus caerulescens*

1922 91. Bred 1932 102.

Greater Racket-tailed Drongo *Dicrurus paradiseus*

Management 1904 84-86.

- Cerulean Paradise Flycatcher, Rowley's Flycatcher** *Eutrichomyias rowleyi*
Rediscovered 1996 41. Sighting details 1997 113.
- Asian Paradise Flycatcher, Asiatic Paradise Flycatcher** *Terpsiphone paradisi*
1909 260-263b/w,299; 1912 302-307. Hand-reared 1932 102.
- Rufous Paradise Flycatcher, Philippine Paradise Flycatcher** *Tersiphone cinnamomea*
Wild status 1997 115.
- Magpie Lark** *Grallina cyanoleuca*
1901 75-76,83. Breeding 1928 233-234; 1960 135-136b/w. Hatched 1931 98.
- Common Iora** *Aegithina tiphia*
Bred 1932 101.
- Green Iora** *Aegithina viridissima*
Imported 1915 352.
- Brubru Shrike** *Nilaus afer*
1985 174.
- Black-headed Tchagra, Black-crowned Tchagra, Black-headed Bush Shrike**
Tchagra senegala
1970 173*.
- Brown-headed Tchagra, Brown-crowned Tchagra, Black-crowned Bush Shrike**
Tchagra australis
Notes 1916 325-326 (Wild).
- Bulo Burti Boubou, Bulo Burti Bush Shrike** *Laniarius liberatus*
1991 159-160.
- Common Gonolek, Senegal Gonolek, Barbary Shrike** *Laniarius barbarus*
Bred 2000 140.
- Crimson-breasted Shrike, Burchell's Gonolek** *Laniarius atrococcineus*
1923 247-248; 1928 53-55*. Imported 1925 217.
- Slate-coloured Boubou** *Laniarius funebris*
1985 174.
- Bokmakieria, Bokmakierie Bush Shrike, Bokmakierie Shrike** *Telophorus zeylonus*
Imported 1925 217.
- Fiery-breasted Bush Shrike, Bush Fiery-breasted Shrike** *Malaconotus cruentus*
1936 1-2* (*Malaconotus cruentus gabonensis*).

Grey-headed Bush Shrike *Malaconotus blanchoti*, *Chlorophoneus starki*
1936 171-172 (= this species?).

HELMETSHRIKES

1925 137. Recent imports 1990 193.

Long-crested Helmet Shrike, Straight-crested Helmet Shrike, White Helmet Shrike *Prionops plumatus*
1930 186,194b/w.

Sickle-billed Vanga, Sicklebill *Falcula palliata*
2001 142. Bred 2003 84.

NEW ZEALAND WATTLEBIRDS

Callaeatidae

North Island Kokako *Callaeas cinerea wilsoni*
1933 409-410 (Wild); 1981 58; 1985 57-58b/w.

Saddleback *Philesturnus carunculatus*, *Creadion carunculatus*
1934 142-144 (Wild); 1985 56-57b/w; 1993 163. Population increase 1994 173.

Huia *Heteralocha acutirostris*
Notes on extinction 1933 411-412. Sexing 1934 30.

PICATHARTES

Picathartidae

A history in captivity 2003 125*,167b/w. At London Zoo 1992 150. Population survey 1995 86.

White-necked Picathartes, White-necked Rockfowl, White-necked Bald Crow
Picathartes gymnocephalus
At London Zoo 1955 37; 1957 108b/w,170. Hatched and partially hand-reared 1965 159.

Grey-necked Picathartes, Grey-necked Rockfowl, Grey-necked Bald Crow
Picathartes oreas
1949 149-154b/w*,229-230. Bred 1972 70.

SILKY FLYCATCHERS AND WAXWINGS

Bombycillidae

Grey Silky Flycatcher *Ptilogonys cinereus*
Breeding 1954 16-18. Imported 1927 113.

Phainopepla, Shining Flycatcher *Phainopepla nitens*

1909 294-296.

WAXWINGS

1925 139. Recent imports 1990 193.

Bohemian Waxwing *Bombycilla garrulus*

1903 357-366 (Hatched); 1909 115-119b/w* (Correction 176); 1931 173-174 (Reared to eleven days); 1945 51-53. Breeding 1964 191-195b/w; 1970 12-15. Hatched 1961 169. In Yorkshire 1914 177-178. Irruption into Norfolk 1916 219-221. Nesting 1904 22-25. Southern migration 1904 117-118.

Japanese Waxwing *Bombycilla japonica*

Breeding 1997 93.

Cedar Waxwing *Bombycilla cedrorum*

1921 49-50b/w; 1931 108-110. Breeding 1980 67-69. Five little waxwings 1916 314-317.

DIPPERS

Cinclidae

Dipper, White-throated Dipper *Cinclus cinclus*

In captivity 1902 76-77. Keeping 1971 171-173. Nestlings reared on scalded mealworms 1931 186. Note 1912 143; 1943 135.

TRUE THRUSHES, OLD WORLD FLYCATCHERS, CHATS AND ROBINS

Muscicapidae

ROCK THRUSHES

At Riva 1904 214. European Rock Thrushes 1910 157.

Rufous-tailed Rock Thrush, Mountain Rock Thrush *Monticola saxitalis*

1899 50-52. Breeding 1909 279-286,311-319; 1910 324-328. Hatched 1898 116. Plumage of young 1910 105-106.

Blue-headed Rock Thrush, Blue-capped Rock Thrush *Monticola cinclorhynchus*

1913 349-350*. Breeding 1960 167-170. Longevity, fourteen years old 1941 197. Wild 1908 277.

White-throated Rock Thrush *Monticola gularis*

1931 161-162.

Chestnut-bellied Rock Thrush *Monticola rufiventris*

1913 253-254*.

Blue Rock Thrush *Monticola solitarius*

1897 101-104b/w; 1903 339-340; 1912 156-157; 1931 39-44 (Wild), 161.
Breeding 1931 265-270. Killing mice 1933 90.

Malabar Whistling Thrush *Myiophoneus horsfieldii*, *Myiophonus horsfieldii*
Supposed new Whistling Thrush 1901 184-191, 202-211; 1904 129.

Blue Whistling Thrush, Himalayan Whistling Thrush, Himalayan Blue Whistling Thrush *Myiophoneus caeruleus*, *Myiophonus caeruleus*
1903 196-201b/w; 1922 71. Breeding 1989 103. Breeding notes 1997 57.
Whistling schoolboys 1944 140-141.

Chestnut-capped Ground Thrush, Chestnut-capped Thrush, Chestnut-headed Thrush, Kuhl's Ground Thrush *Zoothera interpres*
Bred 1934 30. Imported 1930 308.

Red-backed Ground Thrush, Red-backed Thrush, Red-capped Ground Thrush *Zoothera erythronota*
1914 137-138b/w.

Chestnut-backed Ground Thrush, Chestnut-backed Thrush *Zoothera dohertyi*
Breeding 2003 150-153*.

Orange-headed Ground Thrush, Orange-headed Thrush *Zoothera citrina*
1909 333; 1941 199. Bred 1937 84; 1970 246. Bred for ninth successive season
1939 49. Breeding 1911 368; 1915 30-35b/w. Nesting 1911 272 (Hatched).

White-throated Ground Thrush, White-throated Thrush *Zoothera citrina cyanotus*
1904 179-188*. Bred 1912 251-252.

Aztec Thrush, Aztec Ground Thrush *Zoothera pinicola*
1912 118; 1913 101-102*.

Abyssinian Ground Thrush, Ethiopian Ground Thrush, Orange Ground Thrush *Zoothera piaggiae*
Breeding 1971 168.

BLUEBIRDS

Notes on bluebirds 1960 72. Recently imported 1937 139.

Eastern Bluebird *Sialia sialis*
1908 47-50*, 51-53; 1912 86-88; 1929 313-321 (Bred); 1931 270-273; 1937 142-145; 1941 20-21. Behaviour 1927 343; 1928 48. Bred 1896 137-138; 1931 185-186; 1940 94-95, 274; 1944 145-146. Breeding 1895 117-118. Failure in rearing 1899 192. Fertility of stored eggs 1940 184. First brood helping rear second 1896 157. Nest 1899 151-152. Parents given liberty to find food for chicks 1931 271. Polygamy 1895 117. Rearing Spotted Flycatchers *Muscicapa striata* 1940 19-20. Using Robins *Erithacus rubecula* as fosters 1931 272; 1932 209-215; 1937 146-147; 1938 45.

Western Bluebird, Mexican Bluebird *Sialia mexicana*

Bred 1953 176; 1960 72b/w. Breeding 1937 243-244*; 1940 21-24; 1993 12-16.
Hatched 1940 95. Wild in Tahiti 1940 284-285 (Bred at liberty); 1944 138-139
(Bred).

Mountain Bluebird *Sialia currucoides*

1938 33*. Breeding 1938 220-221; 1954 41-46*,150; 1957 177; 1958 190-191;
1975 15-22b/w.

Myadestes

HYBRIDS: Slate-coloured Solitaire, Grey Solitaire *Myadestes unicolor* x Brown-
backed Solitaire, Mexican Solitaire *Myadestes occidentalis* 1948 160.

Townsend's Solitaire *Myadestes townsendi*

1909 319-321b/w. Bred 1938 284.

Brown-backed Solitaire, Mexican Solitaire *Myadestes occidentalis*

Bred 1956 84. Breeding 1993 136-147.

Rufous-throated Solitaire *Myadestes genibarbis*

Wild 1930 146-147.

Slate-coloured Solitaire, Grey Solitaire *Myadestes unicolor*

At London Zoo 1904 277. The Clarino 1929 91; 1954 215-216.

Catharus

In captivity 1956 183b/w.

Veery, Wilson's Thrush *Catharus fuscescens*

1909 101-103,181-183*.

Hermit Thrush *Catharus guttatus*

1909 99-101,177-181*; 1927 334-338. Poem 1916 289.

Olive-backed Thrush, Swainson's Thrush *Catharus ustulatus*, *Catharus ustulatus swainsoni*

Breeding 1959 112-116.

Wood Thrush *Catharus mustelinus*, *Hylocichla mustelina*

1909 103-104. Behaviour of a tame thrush 1928 288-290 (= this species?). Bred
1938 284; 1951 21.

Groundscraper Thrush *Psophocichla litsipsirupa*

Bred 1991 43.

THRUSHES

1924 206b/w. Breeding records 1938 283. Recent imports 1990 192. Small
thrushes 1925 62.

HYBRIDS: Blackbird *Turdus merula* x American Robin *Turdus migratorius*
1959 125b/w. Grey-winged Blackbird *Turdus bouboul* x Blackbird *Turdus*

merula 1905 301. Pale Thrush *Turdus pallidus* x Red-bellied Thrush, Red-billed Thrush, Brown Thrush, Japanese Brown Thrush, Japanese Thrush *Turdus chrysolaus* 1934 315. Grey Thrush, Japanese Thrush *Turdus cardis* x Clay-coloured Thrush, Gray's Thrush *Turdus grayi* 1962 66.

Kurrichane Thrush *Turdus libonyomus*
Breeding 1963 80-82.

Olive Thrush, Cape Thrush *Turdus olivaceus olivaceus*
Breeding 1924 255-256b/w; 1981 98.

Jackson's Thrush, Abyssinian Thrush *Turdus olivaceus abyssinicus*
Breeding 1937 279-280.

Tickell's Thrush *Turdus unicolor*
Bred 1938 283. "Young about to leave nest" 1904 329.

Grey-backed Thrush *Turdus hortulorum*
Breeding 1969 51. Second generation 1970 35.

Grey Thrush, Japanese Thrush *Turdus cardis*
Bred 1960 219; 1963 238.

Ring Ouzel *Turdus torquatus*
1940 165-167b/w (Bred), 233-234.

Grey-winged Blackbird *Turdus boulboul*
Bred 1909 334. Imported 1904 57, 116-117. Notes 1905 243-247; 1906 312, 344.
Longevity, twenty-five years old 1932 323.

Blackbird *Turdus merula*
Additional notes 1982 198-204. Age indicator 1898 18. Bred 1969 246. Breeding 1981 125-129b/w. Breeding for colour 1934 182-184b/w. Liberty 1950 264-265. Nesting notes 1911 257-259 (Hatched). Partial albinism 1902 97. Pied 1895 67. Tame 1895 107. Variations 1918 170. Visually impaired 1986 40-46. White 1936 190.

Island Thrush *Turdus poliocephalus*
Breeding note 1997 57. Bred 2001 98.

Fieldfare *Turdus pilaris*
1923 249-250; 1926 106-110. Bred 1969 247-248. Refusing unnatural foods 1984 246-248.

Redwing *Turdus iliacus*
1926 106-110. Breeding 1960 166-167.

Song Thrush *Turdus philomelos*
Albino 1897 77. Bred 1969 244-245. Fish-catching 1907 105. Nesting observations 1948 55-56 (Bred).

Mistle Thrush *Turdus viscivorus*

1924 210-211; 1969 246-247. Clutch size 1905 170. Rearing of a wild 1949 188-189.

Great Thrush, Argentine Blackbird *Turdus fuscater*

Nesting 1910 257-269 (Bred).

Plumbeous-backed Thrush, Reeve's Thrush *Turdus reevei*

1938 233-234b/w.

Rufous-bellied Thrush *Turdus rifiventris*

A long-lived 1943 168 (Aviary bred).

Pale-breasted Thrush *Turdus leucomelas*

Bred 1963 206 (Uncertain identification).

Cocoa Thrush, Pale-vented Thrush *Turdus fumigatus*

Breeding 1964 46-47.

Clay-coloured Thrush, Gray's Thrush *Turdus grayi*

Bred 1938 283.

Bare-eyed Thrush, Yellow-eyed Thrush *Turdus nudigenis*

1977 208.

White-throated Thrush, Sorry Thrush *Turdus assimilis*

Bred 1938 283.

White-necked Thrush *Turdus albicollis*

Bred 1947 107.

American Robin *Turdus migratorius*

1909 104-108; 1915 30; 1941 199. Acclimatising 1943 138-139; 1944 72. Bred 1940 94; 1953 141. Bred at semi-liberty 1933 165. Breeding 1903 273-276; 1915 33-36. Naturalisation 1910 104-105. Notes 1913 223-224. Paired to Song Thrush *Turdus philomelos* 1959 128-130.

SHORTWING

A newly discovered species 1983 53.

Silverbird *Empidonis semipartitus*

Breeding 1973 183-189.

FLYCATCHERS

1925 9. Recent imports 1988 169.

Spotted Flycatcher *Muscicapa striata*

1895 57-58; 1923 278; 1975 212-213. Association with bees 1923 70-71,106. Breeding 1969 15-16. Breeding record 1934 316.

Verditer Flycatcher, Indian Verditer Flycatcher *Eumyias thalassina*, *Muscicapa thalassina*

1909 277-279*. Bred 2001 184.

Pied Flycatcher *Ficedula hypoleuca*

1975 213-215b/w.

Orange-gorgetted Flycatcher, Rufous-gorgetted Flycatcher *Ficedula strophciata*

1955 90-91.

Lompobattang Flycatcher *Ficedula bonthaina*

Rediscovered 1996 41.

Blue and White Flycatcher *Cyanoptila cyanomelana*

Blue Niltava 1913 189-192*; 1945 53-54; 1958 187-188; 1959 58. Breeding and behaviour 1988 190-194b/w.

Large Niltava, Great Niltava *Niltava grandis*

1913 211. Breeding 1995 25-29. "Half built a nest" 1938 43.

Small Niltava, Lesser Niltava *Niltava macgrigoriae*

1923 33. Hatched 1968 153.

Rufous-bellied Niltava *Niltava sundara*

1903 24-26; 1904 21*; 1950 216-218 (Hatched). Aggression 1965 136. Bred 1937 363; 1964 57; 1965 54,88-90. Breeding 1961 175-181.

Great-billed Niltava, Large-billed Niltava, Large-billed Blue Flycatcher, Long-billed Blue Flycatcher, Sunda Blue-Flycatcher *Cyornis caerulatus*, *Niltava caerulata*

Exhibited 1911 77.

Blue-throated Flycatcher *Cyornis rubeculoides*, *Niltava rubeculoides*

At London Zoo 1911 303.

Tickell's Blue Flycatcher, Tickell's Niltava *Cyornis tickelliae*, *Niltava tickelliae*

Breeding 1966 115-117.

ROBINS

1916 345; 1924 229*.

White-starred Bush Robin, White-starred Robin *Pogonocichla stellata*

1921 105-106.

Forest Robin Chat, Forest Akalat *Stiphornis erythrothorax*

Laid 1952 153.

European Robin *Erithacus rubecula*

1895 74-75. Appreciation of kindness by 1904 283. Age of 1912 142. "Bobs" and "Billy" 1914 115-116. Breeding 1970 158-160. Introduced to America 1960 82. Name 1916 346. Partial breeding success 1969 168-173 (Hatched). Returning to deserted nest 1927 54-55. Robins and some others 1917 159-164. Sexing 1920 108-109.

Japanese Robin *Erithacus akahige*

Hatched 1929 29; 1930 105; 1931 98.

RyuKyu Robin, Riukiu Robin, Korean Robin *Erithacus komadori*, *Luscinia komadori*

Breeding 1953 208-210. Imported 1910 239-240b/w.

Red-tailed Robin, Rufous-tailed Robin, Swinhoe's Robin *Luscinia sibilans*, *Erithacus sibilans*

Notes on the chirping nightingale 1940 79-81.

Thrush Nightingale *Luscinia luscinia*

Breeding 1911 317-324b/w, 370-374; 1914 178. Migration 1912 58-59. Note 1898 197.

Common Nightingale *Luscinia megarhynchos*

1920 137; 1922 72; 1937 163-164b/w; 1975 216-217. Breeders of 1969 114-115. Breeding 1903 251-252; 1912 170-171. Breeding records 1973 66. Coming of 1917 185-189b/w, 261, 263. Food for 1907 42. In Devon 1917 289, 320. In Lancashire 1898 157-159. Longevity, six years 1897 155. Migration 1912 58-59. Observations on 1982 210-213. Observed off South Africa 1903 283-284. Released in New Zealand 1929 83.

Siberian Rubythroat *Luscinia calliope*, *Erithacus calliope*

1937 34-35 (Semi-albinistic specimen). Breeding 1962 155-158. Wild in UK 1997 139.

Himalayan Rubythroat, White-tailed Rubythroat *Luscinia pectoralis*, *Erithacus pectoralis*

1908 279-281. Breeding 1962 158-161.

Bluethroat *Luscinia svecica*

1931 139-141; 1975 218-219 (*Luscinia svecica cyanecula*); 1976 181-182*. Breeding the White-spotted Bluethroat (*Luscinia svecica cyanecula*) 1975 191-195b/w.

Indian Blue Robin, Indian Bluechat *Luscinia brunnea*

Breeding 1969 265-270b/w.

Siberian Blue Robin *Luscinia cyane*

Breeding 1993 93-94. Netted in Channel Islands 1977 171.

Orange-flanked Bush Robin, Red-flanked Bluetail *Tarsiger cyanurus*

1914 118; 1939 275-276*. Hatched 1968 153.

Golden Bush Robin *Tarsiger chrysaeus*
Reared to independence 1968 153.

Cape Robin Chat *Cossypha caffra*
Breeding 1954 66-68. Imported 1921 108.

Blue-shouldered Robin Chat *Cossypha cyanocampter*
1952 1-2*. Laid 1952 153.

White-browed Robin Chat *Cossypha heuglini*
1971 85-87*. Bred 1968 25.

Red-capped Robin Chat, Natal Robin Chat *Cossypha natalensis*
1927 26. Breeding 1964 70-72. "have young" 1959 83.

Snowy-crowned Robin Chat, Snowy-headed Robin Chat *Cossypha niveicapilla*
Bred 1968 25.

White-crowned Robin Chat, White-capped Robin Chat *Cossypha albicapilla*
1920 145,176-181. Breeding 1939 304.

Spotted Morning Thrush, Spotted Morning Warbler *Cichladusa guttata*
1975 24-25 (Mimicry). Breeding 1973 181*,182-183.

Seychelles Magpie Robin *Copsychus sechellarum*
1972 105. Population increase 1996 44.

Dhyal Bird, Magpie Robin, Oriental Magpie Robin *Copsychus saularis*
1898 148; 1950 259 (Bred); 1958 155-157*. Aggression 1899 180. Albino 1937
247. Bred 1960 233-234; 1963 37,213. Breeding 1933 60. Breeding record 1901
85. Nesting of 1899 145-147 (Bred). Notes 1913 223-224; 1982 243-256.

White-rumped Shama *Copsychus malabaricus*
1898 67-68b/w,138-142 (Bred); 1901 149-152; 1902 149; 1905 339; 1907 163-
165*; 1930 313-314*; 1950 258-259 (Hatched). Arrival of Kate 1917 115-117. As
pet 1899 132-134; 1910 132; 1914 221-222b/w; 1926 61-64. Bred 1930 127-128;
1951 118-121. "Bred some years ago" 1897 212. Breeding 1931 91; 1932 258-
259; 1938 18-21. Breeding attempt in domestic environment 1978 95-102b/w.
Breeding note 1918 137. Broken leg removed 1900 207-208. Catching fish 1911
129-130,172; 1933 233. Crazy mother 1924 105-107. Curious death 1919 146-
147. Deserting young 1905 339-340. Episodes in life of a pair 1917 265-268b/w
(Bred),351-352. Hatched 1934 161. Historical notes 1948 172-173. Longevity
records 1933 65; 1940 53-54,84. Male killing young 1969 129. Mimicry 1933 108.
Notes 1954 214-215; 1982 243-256. Shama Club 1977 111. Tail of 1899 32-33.

Strickland's Shama, Black Shama, White-crowned Shama *Copsychus
stricklandii*
1937 261.

- White-browed Shama, White-eyebrowed Shama** *Copsychus luzoniensis*
1969 164.
- Indian Robin, Black-backed Robin, Brown-backed Robin** *Saxicoloides fulicata*
At London Zoo 1912 253. Bred 1955 106. Breeding 1961 123. *1924 226.
- Blue-headed Redstart, Blue-capped Redstart** *Phoenicurus caeruleocephalus*
1908 279.
- Black Redstart** *Phoenicurus ochruros*
Breeding 1967 156-157 (South-Eastern Black Redstart *Phoenicurus ochruros rufiventris*); 1972 184. Breeding haunts 1916 300-304,350. Molt of immature 1913 125-126,155-156,184,250. Note 1975 217. Nesting 1912 293-297b/w (Bred).
- Common Redstart** *Phoenicurus phoenicurus*
1902 190-193; 1995 200-202. Bred 1938 284.
- Daurian Redstart** *Phoenicurus aureoreus*
Breeding 1960 216-218; 1989 105.
- White-capped Redstart, White-capped Water Redstart** *Chaimarrornis leucocephalus*, *Chaimarrornis leucocephalus*, *Phoenicurus leucocephalus*
1965 137-139*. Breeding 1965 139-141. Hatched 1965 54. *1924 226.
- White-tailed Robin** *Cinclidium leucurum*
Breeding 1991 2,9-12.
- Sunda Blue Robin, Sunda Robin** *Cinclidium diana*
Hatched 2001 142.
- Plumbeous Redstart, Plumbeous Water Redstart** *Rhyacornis fuliginosus*, *Phoenicurus fuliginosus*
1908 278. Breeding note 1997 60.
- Hodgson's Grandala, Grandala** *Grandala coelicolor*
1964 79*; 1992 138-139.
- White-crowned Forktail** *Enicurus leschenaulti*
Chinese Forktail 1929 283-284b/w. Imported 1930 308.
- Whinchat** *Saxicola rubetra*
As a songbird 1913 103-106. Nesting 1913 24-32 (Bred).
- Common Stonechat** *Saxicola torquata*
1975 211-212. Bred 1911 52; 1913 27. Breeding 1961 147-149; 1970 227-230.
- Pied Bush Chat** *Saxicola caprata*
At London Zoo 1911 303. Bred 1938 284. Breeding 1962 162-164.
- Jerdon's Bushchat** *Saxicola jerdoni*

Pied Chat (*Saxicola leucomelaena*) 1913 199,287b/w (= this species?).

Wheatear *Oenanthe oenanthe*

1975 217-218. Bred to third generation 1975 232. Breeding 1966 153-154.

Mountain Wheatear *Oenanthe monticola*

1908 252-256; 1909 131-133. Widowed hen lays 1910 316.

Pied Wheatear *Oenanthe pleschanka*

1913 199-200b/w.

Mocking Cliffchat *Thamnolaea cinnamomeiventris*, *Myrmecocichla cinnamomeiventris*

1935 33b/w.

STARLINGS, MYNAHS, MOCKINGBIRDS, THRASHERS AND CATBIRDS

Sturnidae

STARLINGS

1911 312; 1923 83b/w. Gapeworm 1987 94. Long-lived 1950 143. Some African 1972 15. Unsafe with other birds 1931 26. Use of dung and leaves by African starlings 1980 111.

HYBRIDS: Gold-breasted Starling, Royal Starling *Cosmopsarus regius* x Superb Starling, Spreo Starling *Lamprotornis superbus*, *Spreo superbus* 1931 226; 1965 117.

Mountain Starling *Aplonis santovestris*

1999 93.

Singing Starling *Aplonis cantoroides*

Breeding 1996 161-166.

Philippine Glossy Starling, Asian Glossy Starling, Malay Glossy Starling

Aplonis panayensis

1969 153-161b/w*. Bred 1931 23; 1957 172; 2002 99. Breeding 1960 9-12; 1969 280. Hand-rearing 2000 122-126*.

Shining Starling, Metallic Starling, Colonial Starling *Aplonis metallica*

1910 181. Bred 2002 91. Exhibited 1906 174; 1907 150.

Tristram's Starling *Onychognathus tristramii*

Early importation 1920 210.

African Red-winged Starling *Onychognathus morio*

1920 210; 2003 38. Bred 2002 99. Breeding 1964 133-135; 1982 191,192.

Slender-billed Red-winged Starling, Slender-billed Starling, Thin-billed Chestnut-winged Starling *Onychognathus tenuirostris*

Hatched 1933 126. Laid 1931 330.

Bristle-crowned Starling *Onychognathus salvadorii*

Bred 1933 125 (Female given liberty while feeding young). Breeding 1931 305-306. Imported 1926 158. Two pairs hatched young 1931 98.

Emerald Starling, Iris Glossy Starling *Coccycolius iris, Lamprotornis iris*

1955 267*. At London Zoo 1955 38. Bred 1981 61; 1982 58-59. Breeding 1994 35-39*. Breeding notes 1997 51-52. Longevity, seventeen years old 1972 220. Note 1980 N/L. Use of leaves when nesting 1980 112.

GLOSSY STARLINGS

1913 331; 1925 200.

HYBRIDS: Purple Glossy Starling *Lamprotornis purpureus* x Green Glossy Starling, Blue-eared Glossy Starling *Lamprotornis chalybaeus* 1977 23.

Purple-headed Glossy Starling *Lamprotornis purpureiceps*

Breeding 1969 6-8. Hatched 1931 258; 1933 128-129. Longevity, twenty-seven years old 1951 28.

Purple Glossy Starling *Lamprotornis purpureus*

Breeding 1932 227-228. Longevity, twenty years 1968 103.

Short-tailed Glossy Starling *Lamprotornis chalcurus*

Bred 1925 202-203.

Green Glossy Starling, Blue-eared Glossy Starling *Lamprotornis chalybaeus*

1903 170-171; 1953 177. Breeding 1930 235-236. Breeding record 1925 202. Jumbo, a Glossy Starling 1943 125-127. Notes 1953 46-53b/w (Bred). Sexing by voice 1933 258.

Splendid Glossy Starling *Lamprotornis splendidus*

1925 204. Breeding 1983 189-191*; 1996 31-33. Breeding notes 1997 52.

Long-tailed Glossy Starling *Lamprotornis caudatus*

1903 169-170. Bred 1995 175. In field and aviary with observations on co-operative breedings 1988 143-156b/w.

Rueppell's Glossy Starling, Ruppell's Long-tailed Glossy Starling, Long-tailed Glossy Starling *Lamprotornis purpuropterus*

Breeding 1933 357-358. Fledged 1931 330. Laid 1930 303.

Superb Starling, Spreo Starling *Lamprotornis superbus, Spreo superbus*

1925 297-298*; 1968 113-123b/w*; 1974 113. Bred 1924 304-305; 1931 97; 1951 123-125; 1971 54. Breeding 1968 112. Gregarious nesting 1924 168. Hand-reared 1930 47. Longevity, fourteen years 1998 9. Nest helpers 1987 94. Possible explanation of failure to rear 1957 177. Ready to leave nest 1962 41. Respiratory mite 1996 56.

Chestnut-bellied Starling, Beautiful Starling *Lamprotornis pulcher, Spreo pulcher*

Imported 1925 191,263-264.

Shelley's Starling *Lamprotornis shelleyi*
Breeding 1964 198-200.

Sharpe's Starling *Cinnyricinclus sharpii*, *Pholia sharpii*
Range extension 2003 144.

Abbot's Starling *Cinnyricinclus femoralis*, *Pholia femoralis*
Concern for wild population 2003 144.

Violet-backed Starling, Violet Starling *Cinnyricinclus leucogaster*
1908 269-272*, 273-277; 1921 121-122*; 1960 71-72. Breeding 1935 295-300;
1959 44-46b/w; 1991 144-146. In Israel 2000 186. Note 1982 126. Twenty-one
years old 1943 112. Use of dung and leaves when nesting 1980 111-112.

Magpie Starling *Speculipastor bicolor*
1964 34-35. Breeding 1964 196-198b/w.

African Pied Starling *Spreo bicolor*
Imported 1921 41. Observations on breeding 1993 182-185.

White-crowned Starling *Spreo albicapillus*
Breeding 1929 175-176. Hatched 1931 98. Imported 1926 183.

Royal Starling, Gold-breasted Starling *Cosmopsarus regius*
1925 297-298*; 1990 89-91. Bred 2002 91. Breeding 1930 305,327; 1938 17-
18,115; 1984 34-35.

Ashy Starling *Cosmopsarus unicolor*
Bred 1995 175. Breeding 1991 163-166b/w.

Spotted-winged Starling *Saraglossa spiloptera*
1903 51-54,276-277; 1931 318-319. At London Zoo 1920 187. Breeding 1969
262-265b/w.

Wattled Starling *Creatophora cinerea*
1951 79-82*. Bred 1970 249; 1972 17-18. Breeding 1971 158-159. Hatched 1971
41. Twenty-two bred 2000 140.

Sturnus

HYBRIDS: Andaman Starling, Andaman Grackle, White-headed Starling *Sturnus erythropygius andamanensis* x Ashy-headed Starling, Chestnut-tailed Starling, Grey-headed Starling, Malabar Mynah, Malabar Starling *Sturnus malabaricus* 1905 287 (Hatched). Ashy-headed Starling, Chestnut-tailed Starling, Grey-headed Starling, Malabar Mynah, Malabar Starling *Sturnus malabaricus* x Brahminy Starling, Black-headed Starling, Pagoda Mynah, Brahminy Mynah *Sturnus pagodarum* 1957 47; 1972 51. Brahminy Starling, Black-headed Starling, Pagoda Mynah, Brahminy Mynah *Sturnus pagodarum* x Ashy-headed Starling, Chestnut-tailed Starling, Grey-headed Starling, Malabar Mynah, Malabar Starling *Sturnus*

malabaricus 1966 127. Rosy Pastor *Sturnus roseus* x Brahminy Starling, Black-headed Starling, Pagoda Mynah, Brahminy Mynah *Sturnus pagodarum* 1960 235.

Ashy-headed Starling, Chestnut-tailed Starling, Grey-headed Starling, Malabar Mynah, Malabar Starling *Sturnus malabaricus*

Bred 1948 21. Breeding 1901 13-17; 1932 318-319 (*Sturnus malabaricus nemoricola*); 1971 188-189; 1972 7-8. Early breeding record 1903 43.

Andaman Starling, Andaman Grackle, White-headed Starling *Sturnus erythropygius andamanensis*

Breeding 1993 128-129b/w. Nesting of 1901 192-196 (Bred).

Brahminy Starling, Black-headed Starling, Pagoda Mynah, Brahminy Mynah *Sturnus pagodarum*

Bred 1971 55. Breeding 1901 197-199; 1969 121-123. Breeding records 1968 31.

Silky Starling, Red-billed Starling *Sturnus sericeus*

Breeding 1935 214.

Chinese Starling, White-shouldered Starling, Grey-backed Starling *Sturnus sinensis*

Bred 1993 105. Concerning colour phases 1951 198.

Rose-coloured Starling, Rosy Pastor, Rosy Starling *Sturnus roseus*

1899 40; 1900 16. Breeding 1934 300-301. In London 1903 370.

Common Starling *Sturnus vulgaris*

Breeding 1969 241-243. Change of habit 1905 115,144. Do they eat bees? 1928 168-169. Hand-reared 1931 256-257. Heavy mortality 1969 151. In Texas 1936 333-335. Talking 1895 82-83. Tame 1924 305-306. Variation 1918 169. "Wilberforce" 1937 238-239.

Spotless Starling *Sturnus unicolor*

Breeding 1971 166-167.

Asian Pied Starling, Pied Mynah *Sturnus contra*

Bred 1903 111.

Black-collared Starling *Sturnus nigricollis*

Bred 1971 227. Breeding 1970 6-8b/w. Co-existing with Bali Starling, Bali Mynah Rothschild's Grackle *Leucopsar rothschildi* in limited space 2002 154-164*. Exhibited 1897 23; 1911 36-37; 1912 336 (Laid).

Jerdon's Starling, Vinous-breasted Starling *Sturnus burmannicus*

Breeding 1972 11-13.

Black-winged Starling *Sturnus melanopterus*

Bred 1922 159-160. Breeding 1923 175-177; 1930 305,327. Request for information 2003 Number 4 (Inside back cover).

Bali Starling, Bali Mynah, Rothschild's Grackle *Leucopsar rothschildi*

1931 93-94*; 1981 63. AAZPA Survival Plan 1993 208-212. An appeal for co-operation 1968 19-20. At Jersey Zoo 1980 30-32b/w. At semi-liberty 1966 106-107. Behaviour and ecological requirements 2001 10-20*. Bred 1963 257; 1968 66b/w; 1995 208. Breeding 1931 306-307; 1962 153-154b/w. Breeding project raided 2000 44. Captive management at Jurong Bird Park 1995 18-24; Visit to see 1999 54-56. Co-existing with Black-collared Starling *Sturnus nigricollis* in limited space 2002 154-164*. Jersey breeding results 1978 116. Protection 1980 109-110. Register and Census Report 1969 101-106; 1970 115-129. Release programme 1991 44. Sexing 1978 115. Studbook 1987 240-241; 1992 195-196. Wild status 1988 108-109; 1991 191.

Acridotheres

HYBRIDS: Common Mynah *Acridotheres tristis* x Chinese Jungle Mynah, Crested Mynah *Acridotheres cristatellus* 1969 277. Crested Mynah, Chinese Jungle Mynah *Acridotheres cristatellus* x Common Mynah *Acridotheres tristis* 1898 137 (Hatched).

Bank Mynah *Acridotheres ginginianus*

Breeding 1986 8-10b/w.

Common Mynah *Acridotheres tristis*

Bred 1930 47. Increased population of introduced birds 2001 185. Introduced 1999 93. Trial introduction into South America 1897 159.

Crested Mynah, Chinese Jungle Mynah *Acridotheres cristatellus*

1968 161-169b/w.

Golden-crested Mynah *Ampeliceps coronatus*

Artificially incubated and reared 1990 188-189. At London Zoo 1904 275. Breeding 1964 216-218; 1966 128-129. Sexing 1965 118-119.

Golden-breasted Mynah, Golden Mynah *Mino anais*

Artificially incubated and reared 1990 188-189. Breeding 1993 203.

Dumonti's Mynah, Yellow-faced Mynah *Mino dumontii*

Bred 2002 97.

Sulawesi King Starling, Sulawesi Mynah *Basilornis celebensis*

Artificially incubated and reared 1990 188-189.

White-collared Mynah, Sulawesi Magpie, White-necked Mynah *Streptocitta albicollis*

Artificially incubated and reared 1990 188-189.

Coletto Starling, Bald Starling *Sarcops calvus*

1906 191-192b/w. Bred 1991 149. Breeding 1978 1b/w; 1986 10-13b/w. Hatched 1983 146-147. Nesting 1978 145-146b/w (Fledged).

Hill Mynah, Southern Grackle *Gracula religiosa*

Bred 1959 140; 1960 43; 1967 202; 1974 160. Breeding 1957 160-162b/w; 1969 173-176; 1980 5-9. Breeding in artificial nests 1968 180-181b/w. Longevity, nineteen years 1965 160. Random notes 1966 93-95*. Second generation breeding 1993 195-197. Trade 1969 253-255b/w.

Grosbeak Starling, Finch-billed Mynah *Scissirostrum dubium*

1940 32; 1947 110. Artificially incubated and reared 1990 188-189. Bred 1994 107. Breeding 1985 126-129; 1987 109-110.

OXPECKERS

Behaviour of 1958 23 (Wild).

Yellow-billed Oxpecker *Buphagus africanus*

1954 246. Longevity, twelve-and-a-quarter years 1968 27.

Red-billed Oxpecker *Buphagus erythrorhynchus*

Captive behaviour 1963 113-117b/w. Hatched 2001 98. Re-location 1999 143.

MOCKINGBIRDS

1924 125. Breeding records 1938 283.

Grey Catbird *Dumetella carolinensis*

Bred 1951 21. Nesting 1902 226-228 (Hatched), 285, 287. Poem 1902 287.

Northern Mockingbird, American Mockingbird *Mimus polyglottos*

Aggression 1902 55. Behaviour changes in injured juveniles 1978 51-56. Breeding 1901 181-184. Homeless young 1937 254-256. Note 1899 167. Wild 1928 41-43.

White-banded Mockingbird *Mimus triurus*

Note 1920 195.

Long-tailed Mockingbird *Mimus longicaudatus*

Imported 1915 278.

Brown Thrasher *Toxostoma rufum*

1915 23-24*.

Bendire's Thrasher, Bendire Thrasher *Toxostoma bendirei*

At London Zoo 1911 339.

Grey Thrasher *Toxostoma cinereum*

Note 1912 98.

Brown Trembler *Cinclocerthia ruficauda*

1930 149-150.

NUTHATCHES AND WALLCREEPER

Sittidae

NUTHATCHES

1913 77; 1925 67.

Eurasian Nuthatch, Wood Nuthatch *Sitta europaea*

1913 77-78. Bred 1938 282. Notes on breeding 1970 10-11. Self preservation 1948 133.

Chestnut-bellied Nuthatch, Chestnut-breasted Nuthatch *Sitta castanea*

At London Zoo 1911 303.

White-tailed Nuthatch *Sitta himalayensis*

Bathing technique 1936 251.

Red-breasted Nuthatch *Sitta canadensis*

Breeding in captivity 1975 144-147. Nesting 1917 279-283 (Wild).

White-breasted Nuthatch *Sitta carolinensis*

Bred 1938 282.

Velvet-fronted Nuthatch *Sitta frontalis*

Possible importation 1913 220.

Wallcreeper *Tichodroma muraria*

1908 224-229; 1920 199-201; 1944 148-149. Bred 1913 348; 1973 103; 1994 183. Wild in Britain 1977 171.

TREE CREEPERS

Certhiidae

Common Tree-Creeper *Certhia familiaris*

Breeding 1968 200-202. Hatched 1911 271. "Hatched in captivity" 1913 348. Self preservation 1948 133.

WRENS

Troglodytidae

Canyon Wren *Catherpes mexicanus*

1952 132-133.

Wren, Winter Wren *Troglodytes troglodytes*

Breeding record 1934 316.

PENDULINE TITS, TITS AND CHICKADEES

Paridae

Eurasian Penduline Tit *Remiz pendulinus*

At London Zoo 1905 375.

Fire-capped Tit Warbler *Cephalopyrus flammiceps*
Exhibited 1914 118.

TITS

1925 118. Hybrids and breeding records 1938 282. Recent imports 1988 169.

Coal Tit *Parus ater*
Bred 1938 282.

Crested Tit *Parus cristus*
Random notes 1913 176-177b/w.

Southern Black Tit *Parus niger*
Laid 1965 119.

Great Tit *Parus major*
Bred 1913 382. Bred at semi-liberty 1933 165. Hatched 1913 382. Indian Grey Tit 1919 147-148b/w. Murderers 1912 60. Note 1941 195-196. Ox-eye Tit 1896 106-107.

Black-spotted Yellow Tit, Black-lored Tit *Parus xanthogenys*
At London Zoo 1911 303.

Blue Tit *Parus caeruleus*
Bred 1941 195. Bred at controlled liberty 1968 212.

Azure Tit *Parus cyanus*
Exhibited 1913 91.

LONG-TAILED TITS AND BUSHTITS

Aegithalidae

Recent imports 1988 168-169.

Long-tailed Tit *Aegithalos caudatus*
1917 175b/w, 195-198; 1921 66-68; 1973 69b/w. Breeding 1966 147-148. Hand-rearing 1915 389-392.

Red-headed Tit, Black-throated Tit *Aegithalos concinnus*
1914 23-24*.

MARTINS AND SWALLOWS

Hirundinidae

White-winged Swallow *Tachycineta albiventer*
2000 52.

Purple Martin *Progne subis*
Hand-rearing 1966 134-137.

Blue and White Swallow *Notiochelidon cyanoleuca*
Nesting 1986 186-189b/w.

Sand Martin, Bank Swallow *Riparia riparia*
Hand-rearing 1977 185-188. In captivity 1946 135-141. Sighted in New Guinea 1980 52.

Eurasian Crag Martin *Hirundo rupestris*
Bred 1938 285.

Eurasian Swallow, Barn Swallow *Hirundo rustica*
Arrival of 1935 161. At London Zoo 1907 80. At the Front (War) 1917 75-81. Breeding in captivity 1936 140-141. First flight 1911 256-257. Hand-rearing and keeping 1970 148-149. Our British swallow 1917 81-85. Protest 1899 22. Ringing recovery 1913 188. Tame swallows 1905 113-114.

Welcome Swallow *Hirundo neoxena, Hirundo tahitica neoxena*
Breeding 1981 3-5.

Red Sea Swallow, Red Sea Cliff Swallow *Hirundo perdita*
Discovered 1985 175.

Fairy Martin *Hirundo ariel*
Breeding 1981 3-5.

Common House Martin, Northern House Martin *Delichon urbica*
Bred 1938 285. Tame 1906 362-363.

KINGLETS *Regulidae*

Goldcrest *Regulus regulus*
1917 214-217; 1925 68-69. Bred 1994 183. Keeping 1897 40*; 1908 130*.

Firecrest *Regulus ignicapillus*
1975 212*; 1908 130. Bred 1994 183.

BULBULS *Pycnonotidae*

1895 114,127; 1912 234; 1925 1. Albino (= this species?) 1920 111*. Breeding the Ceylon Bulbul 1935 238. Nesting records 1908 105. On bulbuls 1939 196. Recent imports 1990 193-194.

HYBRIDS: Orange-spotted Bulbul *Pycnonotus bimaculartus* x Red-vented Bulbul *Pycnonotus cafer* 1940 162. Red-vented Bulbul *Pycnonotus cafer* x Red-whiskered

Bulbul, Red-eared Bulbul *Pycnonotus jocosus* 1938 285. Red-whiskered Bulbul, Red-eared Bulbul *Pycnonotus jocosus* x Black-crested Yellow Bulbul *Pycnonotus melanicterus flaviventris* 1951 234. White-cheeked Bulbul *Pycnonotus leucogenys* x Red-whiskered Bulbul, Red-eared Bulbul *Pycnonotus jocosus* 1938 285.

Finch-billed Bulbul, Crested Finchbill *Spizixos canifrons*

At London Zoo 1921 153. Breeding 1989 8-9.

Straw-crowned Bulbul, Straw-headed Bulbul *Pycononotus zeylanicus*

Bred 1993 101.

Black-crested Bulbul, Black-headed Yellow Bulbul, Ruby-throated Bulbul

Pycnonotus melanicterus melanicterus, *Pycnonotus melanicterus gularis*

1909 215-219,236-240. Breeding 1973 189-193. First importation 1909 275-276.

Red-whiskered Bulbul, Red-eared Bulbul *Pycnonotus jocosus*

Breeding 1910 208-212; 1911 55-57; 1984 134-140. Breeding records 1932 324.

Note 1941 193. Sexing 1902 97.

Chinese Bulbul, Light-vented Bulbul *Pycnonotus sinensis*

1899 184-185. Breeding 1976 124-126; 1983 147-148. Further breeding notes 1978 77-78.

Garden Bulbul, Common Bulbul *Pycnonotus barbatus*

Bred 1974 114. Breeding 1925 324 (Black-eyed Bulbul *Pycnonotus barbatus layardi*).

Red-eyed Bulbul, Black-fronted Bulbul *Pycnonotus nigricans*

Breeding 1964 214-216. Hatched 1963 208.

White-Eyed Bulbul, White-spectacled Bulbul, Syrian Bulbul *Pycnonotus xanthopygos*

1913 142-144. Bred 1971 77. Fledged 1895 128.

White-eared Bulbul *Pycnonotus leucotis*

Breeding 1936 224.

White-cheeked Bulbul, Himalayan Bulbul *Pycnonotus leucogenys*

Bred 1932 102.

Red-vented Bulbul *Pycnonotus cafer*

Used for fighting 1934 156. Longevity, seventeen years 1953 142. Bred 1960 232-233.

Sooty Bulbul, Sooty-headed Bulbul, White-eared Bulbul *Pycnonotus aurigaster*

Bred 1936 116; 1984 177. Longevity, eighteen years 1914 53.

Orange-spotted Bulbul *Pycnonotus bimaculatus*

Eight bred 1993 101.

Sombre Greenbul *Andropadus importunus*, *Pycnonotus importunus*
Imported 1921 153.

Yellow-bellied Greenbul, Yellow-breasted Bulbul *Chlorocichla flaviventris*
Notes on (Wild) 1934 298-300.

Joyful Greenbul *Chlorocichla laetissima*
Breeding 1964 170-171. Laid 1965 117.

Golden Bulbul *Alophoixus affinis*, *Hypsipetes affinis*
Wild status 1997 116.

Mountain Streaked Bulbul, Mountain Bulbul, McClelland's Bulbul, Rufous-tailed Bulbul *Hypsipetes maclellandii*
Bred 1932 102; 1970 246-247.

Sumatran Bulbul, Sunda Bulbul, Green-winged Bulbul *Hypsipetes virescens*
1908 159-160.

Black Bulbul, Madagascar Bulbul, White-headed Bulbul *Hypsipetes leucocephalus*
1902 88-90; 1903 209-211. Bred 1932 102. Breeding 1965 165-168. Imported 1915 352.

AFRICAN WARBLERS

Cisticolidae

Cisticola
1963 89.

Bar-winged Prinia *Prinia familiaris*
Breeding 1985 204-205b/w.

Oriole Warbler *Hypergerus atriceps*
Bred 1992 184; 2000 140.

WHITE-EYES

Zosteropidae

1897 80,99; 1901 157; 1916 73b/w. Recent imports 1988 167. Which species? 1994 174.

HYBRIDS: Indian White-Eye, Oriental White-Eye *Zosterops palpebrosa* x Japanese White-Eye *Zosterops japonica* 1971 9. Grey-breasted White-Eye, Grey-backed White-Eye, Eastern Grey-breasted Silver-Eye *Zosterops lateralis* x Yellow White-Eye *Zosterops flavifrons* 1936 1.

Pale White-Eye, Vaal River White-Eye *Zosterops pallidus pallidus*
Bred 1968 227.

Green White-Eye, Natal White-Eye *Zosterops pallidus virens*
Bred 1954 95. Breeding 1915 272-278b/w.

Seychelles Brown White-Eye, Seychelles Grey White-Eye, Seychelles White-Eye
Zosterops modestus
1972 104.

Oriental White-Eye *Zosterops palpebrosa*
1898 204-205b/w,211; 1928 180-181. At liberty 1962 209-210; 1963 44; 1964 27.
Breeding 1912 114-117b/w; 1957 131-133; 1978 2-4; 1980 70-73. Breeding at
liberty 1962 51-54. Nesting 1970 166.

Japanese White-Eye *Zosterops japonicus*
Breeding 1987 190-193b/w.

Black-fronted White-Eye, Moluccan Black-fronted White-Eye *Zosterops atrifrons*
Wild status 1997 116.

Eastern Grey-breasted Silver-Eye, Grey-backed White-Eye, Grey-breasted White-Eye *Zosterops lateralis*
1935 37-42; 1960 89-90*. Breeding 1934 246-247. Nesting 1905 335-339 (Laid).

Yellow White-Eye, Yellow-fronted White-Eye *Zosterops flavifrons*
Imported 1930 308.

Golden White-Eye, Golden Honeyeater *Cleptornis marchei*
1940 173.

Rufous-throated White-Eye *Madanga ruficollis*
Sighted 1996 143.

OLD WORLD WARBLERS, BABBLERS AND PARROTBILLS

Sylviidae

WARBLERS

1924 226; 1925 57. British warblers 1911 130. Management of some European species 1969 161. Recent imports 1988 169. Smaller warblers as aviary birds 1898 3. Spot-breasted Warbler nesting 1918 256. Sundry warblers 1917 299.

Chestnut-headed Ground Warbler, Chestnut-headed Tesia *Tesia castaneocoronata, Oligura castaneocoronata*
Imported? 1913 220.

Cetti's Warbler *Cettia cetti*
1974 53-55.

- Common Grasshopper Warbler** *Locustella naevia*
1898 189-190; 1914 164-166; 1925 94-98.
- Eurasian Reed Warbler** *Acrocephalus scirpaceus*
1914 200-201b/w; 1925 128-130; 1975 1-3* (Bred).
- Great Reed Warbler** *Acrocephalus arundinaceus*
1975 3,219-220.
- Seychelles Brush Warbler** *Bebrornis sechellensis*
1972 103b/w.
- Icterine Warbler** *Hippolais icterina*
1920 49-51; 1931 141.
- Long-tailed Tailorbird, Common Tailorbird** *Orthotomus sutorius*
Hatched 1938 283.
- Ashy Tailorbird** *Orthotomus ruficeps*
Breeding 1985 206b/w.
- Red-faced Crombec** *Sylvietta whytii*
Breeding 1985 207b/w.
- Severtzov's Tit Warbler, White-browed Tit-Warbler** *Leptopoeile sophiae*
1996 159-160b/w.
- Willow Warbler** *Phylloscopus trochilus*
1917 67; 1925 225-226; 1975 212. Notes on breeding 1970 11-12.
- Common Chiffchaff** *Phylloscopus collybita*
1925 227-228. As cagebird 1903 206-209. Bred 1938 283.
- Wood Warbler** *Phylloscopus sibilatrix*
1925 74-77. In London 1905 381-382.
- Chinese Leaf-Warbler** *Phylloscopus sichuanensis*
Discovered 1993 159.
- Hainan Leaf-Warbler** *Phylloscopus hainanus*
Discovered 1993 159.
- Seicercus*
1999 103b/w.
- Chestnut-headed Warbler, Chestnut-headed Flycatcher Warbler** *Seicercus castaniceps*
1999 103-105b/w.
- Fly River Grass Warbler, Fly River Grassbird** *Megalurus albolimbatus*

Rediscovered 1981 117.

BABLERS

1925 87b/w,113*,120,206. Behaviour characters 1963 183. Notes on behaviour 1967 28b/w. Recent imports 1988 169.

HYBRIDS: Pekin Robin, Red-billed Leiothrix *Leiothrix lutea* x Blue-winged Siva, Blue-winged Minla *Minla cyanouroptera* 1975 130. Silver-eared Mesia *Leiothrix argentauris* x Pekin Robin, Red-billed Leiothrix *Leiothrix lutea* 1968 219.

Garrulax

Breeding results 1993 159; 1996 41. Necklaced and other laughingthrushes 2001 152; 2002 85.

Masked Laughingthrush, Spectacled Laughingthrush *Garrulax perspicillatus*
1901 71. Bred 1964 189. Breeding 1965 8.

White-crested Laughingthrush *Garrulax leucolophus*
1904 297-299; 1922 90; 1932 183-186; 1955 19-21. Breeding 1982 135-141.
Hatched 1933 127; 1940 31.

Lesser Necklaced Laughingthrush *Garrulax monileger*
2001 153-155.

Greater Necklaced Laughingthrush *Garrulax pectoralis*
1900 199-201; 1922 90; 2001 154-155. Hatched 1933 90. Voice 1922 29.

Black-hooded Laughingthrush *Garrulax milleti*
More abundant than thought 1996 44.

Rufous-necked Laughingthrush *Garrulax ruficollis*
1914 347*.

Black-throated Laughingthrush *Garrulax chinensis*
Bred 1934 304. Breeding 1994 98-100. Note 1922 90.

Yellow-throated Laughingthrush, Austen's Laughingthrush *Garrulax galbanus*
Avicultural Society funding research 2002 178-179; 1999 77*. Bred 1993 101;
1994 139-140*.

Black-fronted Laughingthrush, Snowy-cheeked Laughingthrush, Kansu Laughingthrush, Sukatshev's Laughingthrush *Garrulax sukatschewi*
Identification 1970 194-195.

Moustached Laughingthrush, Ashy Laughingthrush *Garrulax cineraceus*
Identification 1970 194-195.

Rufous-chinned Laughingthrush *Garrulax rufogularis*
Breeding 1975 68-69. Jay Thrushes and acorns 1962 182-188b/w. Observations 1962 188-197b/w.

Grey-sided Laughingthrush *Garrulax caerulatus*

Breeding 1970 143.

Chestnut-capped Laughingthrush *Garrulax mitratus*

Sexing 1979 109.

Hwamei, Melodious Laughingthrush *Garrulax canorus*

1901 71-73; 1903 168-169; 1928 177-179; 1969 79-84. At liberty 1946 48-50

White-browed Laughingthrush *Garrulax sannio*

Breeding 1983 63-66b/w.

Himalayan Streaked Laughingthrush *Garrulax lineatus*

Bred 1932 101. Display 1912 229.

Red-headed Laughingthrush, Chestnut-crowned Laughingthrush *Garrulax erythrocephalus*

Bred 1995 174. Breeding 1979 16-17.

Red-winged Laughingthrush, Crimson-winged Laughingthrush *Garrulax formosus*

Breeding 1984 87-90. B/w 1984 180.

Red-tailed Laughingthrush *Garrulax milnei*

1940 266; 1942 142-144. Breeding 1989 10-13.

Red-faced Liocichla *Liocichla phoenicea*

Bred 1993 101. Breeding 1996 23-23.

Omei Shan Liocichla, Mount Omei Liocichla *Liocichla omeiensis*

2001 109-114*. Bred 2001 71. Studbook Keeper 2001 Number 3 (Inside back cover). Scandinavian Symposium 2002 179.

Rusty-cheeked Scimitar Babbler *Pomatorhinus erythrogegens*

1913 127.

Slaty-headed Scimitar Babbler, White-browed Scimitar Babbler *Pomatorhinus schisticeps*

Bred 1932 100.

Chestnut-backed Scimitar Babbler *Pomatorhinus montanus*

Bred 2001 142.

Slender-billed Babbler, White-browed Scimitar Babbler *Xiphirhynchus superciliosus*

Bred 1948 97.

Large Wren Babbler *Napothera macrodactyla*

Bred 2001 142.

Rufous-capped Babbler, Red-headed Tree Babbler *Stachyris ruficeps*
2000 34-35.

Black-throated Babbler, Black-throated Tree Babbler, Grey-throated Babbler
Stachyris nigriceps
Exhibited 1914 118b/w.

Rufous-bellied Babbler *Dumetia hyperythra*
Breeding 1961 56-57b/w.

Oriental Yellow-eyed Babbler *Chrysomma sinense*
1902 108-110; 1903 83-87*.

Common Babbler *Turdoides caudatus*
Bred 1960 219.

Blackcap Babbler, Western Dusky Babbler *Turdoides reinwardtii*
Imported 1916 311; 1925 206.

Arrow-marked Babbler *Turdoides jardineii*
Breeding 1979 112-120b/w.

Leiothrix
HYBRIDS: 1968 219; 1996 179.

Silver-eared Mesia *Leiothrix argenteauris*
1903 379-390; 1904 36-44. Bred 1931 331; 1960 233. Breeding 1945 66-69; 1953 60-61; 1972 83-84; 1991 118-122b/w. Breeding records 1932 324; 1945 69. Fifth generation 1989 45. Generic name 1958 189. Hand-reared 1993 100. Hatched 1906 364; 1929 27. Second generation 1973 227. *1925 120.

Pekin Robin *Leiothrix lutea*
1896 135-137; 1903 340-341; 1978 4-17. A new *Leiothrix* (*Leiothrix lutea astleyi*) 1921 108. Bred 1932 10,259; 1944 146; 1951 121-122. Breeding record 1903 152. Cure for feather-plucking 1900 256. Display 1963 192. Forty released 1933 130. Habits 1913 218-219. In London 1905 317-318. Mass import 1907 158. Nesting 1899 177-179; 1915 39-40b/w. Nesting at large 1907 269-270; 1908 268; 1910 37. Sexing 1903 309-311; 1913 129-136*. *1925 120.

Blue-winged Minla, Blue-winged Siva *Minla cyanouroptera*
1902 243-245*. Bred 1960 116; 1973 227. Breeding 1971 73-75. Egg stealer 1940 242. Hatched 1930 104. "Observed young" 1965 192. "One reared to leave the nest" 1941 196. *1925 120.

Chestnut-tailed Minla, Chestnut-tailed Siva, Bar-throated Minla, Bar-throated Siva, Stripe-throated Minla, Stripe-throated Siva *Minla strigula*
Breeding 2003 12-13. Imported 1904 233-234.

Red-tailed Minla, Fire-tailed Minla *Minla ignoctrincta*

Breeding note 1997 57,60. Exhibited 1914 118b/w.

White-eyed Fulvetta, Nepal Fulvetta *Alcippe nepalensis*

Bred 1951 65-66. Hatched 1970 207.

Rufous Sibia, Black-capped Sibia, Black-headed Sibia *Heterophasia capistrata*

1901 77-78,145; 1903 355-362*. At liberty 1932 23-25 (Bred); 1946 66-67.

Breeding 1925 185-188; 1926 290-292; 1973 116-118; 1975 6-7.

Grey Sibia *Heterophasia gracilis*

1937 333-334* (Hatched).

Black-eared Sibia, Black-headed Sibia *Heterophasia melanoleuca desgodinsi*,
Heterophasia desgodinsi

Bred 2003 143. Breeding 1999 1-5.

White-collared Yuhina *Yuhina diademata*

2000 97-98.

Black-chinned Yuhina *Yuhina nigrimenta*

1934 121*. Bred 1932 102; 1957 88-89,213; 1960 231-232; 1965 84. Breeding behaviour 1965 83-84 (Hatched).

Bearded Tit, Bearded Reedling, Bearded Parrotbill *Panurus biarmicus*

1900 214-216*; 1905 149-150,208-209; 1922 72; 1942 47-49; 1944 147. Bred 1940 231-232. Breeding 1915 358-364b/w; 1965 66-67; 1972 189-192. Early breeding record 1916 44,72. Hatched 1905 318-319. Male killing young 1969 129. Partially reared by canaries 1896 179.

Paradoxornis

1994 131-134. Recent imports 1988 169.

Grey-headed Parrotbill, Black-throated Parrotbill *Paradoxornis gularis*

1929 166b/w; 1937 70. Notes 1931 343-345; 1967 79-81b/w (*Paradoxornis gularis fokiensis*).

Vinous-throated Parrotbill *Paradoxornis webbianus*

Bred 1973 103. Notes 1928 30-31; 1937 68.

Fulvous-fronted Parrotbill, Fulvous Parrotbill *Paradoxornis fulvifrons*

Bred 1973 18. Breeding 1998 1-3.

Greater Red-headed Parrotbill, Red-headed Parrotbill *Paradoxornis ruficeps*

At London Zoo 1913 211.

Rufous-vented Warbler, Southern Tit Warbler *Sylvia subcaeruleum*, *Parisoma subcaeruleum*

Breeding note 1997 60.

Blackcap *Sylvia atricapilla*

As aviary bird 1899 70-71; 1925 48-51. Food 1897 190-191. Migratory instincts 1915 232. Nesting 1910 145-151 (Bred).

Garden Warbler *Sylvia borin*
1925 226-227.

Common Whitethroat, Greater Whitethroat *Sylvia communis*
Notes on breeding 1970 9-10.

Lesser Whitethroat *Sylvia curruca*
1916 265-267; 1925 152-153. Bred 1938 283. Nesting 1915 293-294 (Wild). Song 1921 48.

Orphean Warbler *Sylvia hortensis*
Longevity, five years in captivity 1969 161.

Sardinian Warbler *Sylvia melanocephala*
Longevity, five years in captivity 1969 161.

Dartford Warbler *Sylvia undata*
1910 30-32,90-93. Note 1963 174. Population increase 1995 85.

LARKS *Alaudidae*

1912 205; 1924 175b/w. Breeding records 1924 273; 1938 281.

Clapper Lark *Mirafra apiata*
1924 180 (Been bred in Germany).

Chestnut-backed Sparrow Lark, White-cheeked Sparrow Lark, White-cheeked Finch Lark *Eremopterix leucotis*
1919 111-112b/w; 1924 183-184; 1927 243-245b/w (Breeding records). Bred 1919 249; 1931 58. Hatched 1946 17.

Grey-backed Sparrow Lark, Grey-backed Finch Lark *Eremopterix verticalis*
1924 182-183.

Fischer's Sparrow Lark, Fischer's Finch Lark *Eremopterix leucopareia*
1975 64-65.

Thick-billed Lark *Rhamphocoris clotbey*
1924 179-180.

Calandra Lark *Melanocorypha calandra*
1974 203.

Mongolian Lark *Melanocorypha mongolica*
1924 176-177. At Peking Zoo 1960 131. Nested 1967 172.

Black Lark *Melanocorypha yeltoniensis*
1924 177. Breeding 1899 169-176.

Red-capped Lark, Greater Short-toed Lark *Calandrella cinerea*
1974 205-206.

Lesser Short-toed Lark *Calandrella rufescens*
1974 205-206.

Crested Lark *Galerida cristata*
1974 206. Bred 1975 64. Nesting 1912 273-280,344b/w (Bred).

Wood Lark *Lullula arborea*
1902 101; 1924 177-178; 1945 19. Breeding records 1934 315; 1969 107. Sexing
1901 107.

Eurasian Skylark *Alauda arvensis*
1924 178-179. Bred 1938 282; 1970 129. Breeding 1978 74-77. Colony in British
Columbia 1939 171.

Shore Lark, Horned Lark *Eromophila alpestris*
1924 184-185.

Temminck's Lark, Temminck's Horned Lark, Temminck's Shore Lark
Eromophila bilopha
1924 185-186.

SUGARBIRDS, FLOWERPECKERS, SUNBIRDS AND SPIDERHUNTERS *Nectariniidae*

Cape Sugarbird *Promerops cafer*
1930 173; 1951 31.

FLOWERPECKERS
1924 315. Recent imports 1988 168.

Cebu Flowerpecker, Orange-backed Flowerpecker *Dicaeum quadricolor*
Rediscovered 1993 213.

Orange-bellied Flowerpecker, Orange-breasted Flowerpecker *Dicaeum
trigonostigma*
1969 273-274.

Green-backed Flowerpecker, Fire-breasted Flowerpecker *Dicaeum ignipectus*
At London Zoo 1909 330; 1913 314.

Mistletoe Bird, Mistletoe Flowerpecker *Dicaeum hirundinaceum*

At London Zoo 1913 314. Nesting habits 1916 171-175 (Wild). Note 1926 339.

Scarlet-backed Flowerpecker *Dicaeum cruentatum*

At London Zoo 1903 185.

SUNBIRDS

1913 254; 1915 115; 1924 309*; 1933 139,153; 1940 57; 1941 220. Attraction of Jacaranda tree 1950 48. In captivity, past, present and future 1918 153. In outdoor aviaries 1929 56. In the Marshall Boehm aviaries 1960 137. In their native haunts 1916 106. List of imported species 1933 146. Notes on sunbirds in private aviaries 1913 289b/w,333; 1914 89*; 1918 61; 1928 83. Pugnacity 1958 152. Records of sunbirds in captivity 1946 23. Recent imports 1988 168. Wintering 1935 58.

HYBRIDS: Attempted hybridising of Scarlet-chested Sunbird *Nectarinia senegalensis* x Kirk's Black Sunbird *Nectarinia amethystina kirkii* 1971 15.

Ruby-cheeked Sunbird *Anthreptes singalensis*

1960 137.

Kenya Violet-backed Sunbird, Eastern Violet-backed Sunbird *Anthreptes orientalis*, *Anthreptes longuemarei orientalis*

1960 138.

Collared Sunbird *Anthreptes collaris*

1920 158-160; 1935 267*; 1923 307. Breeding 1988 136-138.

Olive Sunbird *Nectarinia olivacea*

1960 142.

Orange-breasted Sunbird, Wedge-tailed Sunbird *Nectarinia violacea*

1957 81-82*. *1924 307.

Mouse-coloured Sunbird *Nectarinia veroxii*

1960 142.

Green-headed Sunbird *Nectarinia verticalis*

1954 79-80*; 1960 142. Bred 1993 101.

Amethyst Sunbird *Nectarinia amethystina*

1913 333; 1914 231-233*,286; 1960 138. Bred 1967 117-118. Breeding 1984 86-87. Hatched 1959 82-83 (Kirk's Black Sunbird *Nectarinia amethystina kirkii*).

Scarlet-chested Sunbird *Nectarinia senegalensis*

1921 58; 1925 267-269 (Wild young hand-reared). Bred 1960 116. Breeding 1965 107-109. Further experiences 1969 237-240. Hatched 1960 236. Laid 1959 82. Longevity, eighteen years old 1950 235. Near miss (Hatched) 1964 166-168. Plumage change in young 1966 63*. 1924 307.

Buff-throated Sunbird *Nectarinia adelberti*

1938 97-98*; 1969 77-79*.

- Purple-rumped Sunbird, Amethyst-rumped Sunbird** *Nectarinia zeylonica*
1913 289; 1950 269; 1960 144.
- Van Hasselt's Sunbird** *Nectarinia sperata*
Near miss 1971 22-23 (Hatched).
- Yellow-bellied Sunbird, Olive-backed Sunbird** *Nectarinia jugularis*
1960 145.
- Variable Sunbird** *Nectarinia venusta*
1916 311-312; 1960 141 (Buff-breasted Sunbird, Nyasa Variable Sunbird
Nectarinia venusta falkensteini). *1934 1.
- Southern White-bellied Sunbird, White-breasted Sunbird** *Nectarinia talatala*
1960 141. Bred 1991 154; 1993 101.
- Purple Sunbird** *Nectarinia asiatica*
1911 201b/w. Hatched 1924 310-311. Nesting 1913 327-329 (Eggs). Note 1960
144. Seasonal change in plumage 1899 41-43.
- Loten's Sunbird, Long-billed Sunbird** *Nectarinia lotenia*
1960 140.
- Lesser Double-collared Sunbird, Southern Double-collared Sunbird** *Nectarinia chalybea*
1913 334.
- Greater Double-collared Sunbird** *Nectarinia afra*
1913 334. Bred 1993 103. Long-lived (Longevity, ten years) 1929 331. *1924 307.
- Eastern Double-collared Sunbird** *Nectarinia mediocris*
1960 140.
- Regal Sunbird** *Nectarinia regia*
1953 36.
- Coppery Sunbird, Copper Sunbird** *Nectarinia cuprea*
1960 139. Bred 1991 42.
- Rufous-winged Sunbird** *Nectarinia rufipennis*
Discovery 1983 185; 1984 244.
- Tacazze Sunbird** *Nectarinia tacazze*
1960 145. Adult plumage attained at nine months 1978 235. Breeding 1961 173-
174b/w; 1978 69-73. "Lost young to a shrew" 1970 207. Problems of feeding
small nectar feeding birds 1976 165-168b/w.
- Bronze Sunbird** *Nectarinia kilimensis*
1960 143. Fledged 1965 11. Longevity, more than twenty-six years 1980 N/L.

Golden-winged Sunbird *Nectarinia reichenowi*

1960 142. Bred 2001 138. *1934 1.

Malachite Sunbird, Yellow-tufted Malachite Sunbird *Nectarinia famosa*

1913 334; 1931 176-177; 1936 83-84; 1960 144. Breeding 1964 158-163. Hatched 1941 196-197. Nesting 1956 46-53 (Hatched). *1924 307.

Red-tufted Malachite Sunbird, Red-tufted Sunbird, Scarlet-tufted Malachite Sunbird *Nectarinia johnstoni*

1953 75-76*; 1960 145. Notes on trip to collect 1953 76-79.

Mariqua Sunbird *Nectarinia mariquensis*

1929 54-55; 1960 140.

Purple-banded Sunbird *Nectarinia bifasciata*

1960 141 (Tsavo Purple-banded Sunbird *Nectarinia bifasciata tsavoensis*).

Splendid Sunbird *Nectarinia coccinigastra*

1940 57*. Hatched 2001 98.

Beautiful Sunbird *Nectarinia pulchella*

1929 53-54*; 1960 143. Eclipse plumage 1961 36.

Elegant Sunbird, Sanghir Yellow-backed Sunbird *Aethopyga duyvenbodei*

Wild data 1997 114.

Black-throated Sunbird, Black-breasted Sunbird *Aethopyga saturata*

1913 290b/w.

Yellow-backed Sunbird, Crimson Sunbird *Aethopyga siparaja*

1913 333; 1931 276. *1914 89; *1924 307.

SPIDERHUNTERS

Management in captivity 1984 1b/w.

Grey-breasted Spiderhunter *Arachnothera affinis*

Notes 1931 192-196.

Everett's Spiderhunter *Arachnothera everetti*

Notes 1931 192-196.

Streaked Spiderhunter *Arachnothera magna*

1969 164.

**SPARROWS, WAGTAILS, PIPITS, ACCENTORS,
WEAVERS, ESTRILDINE FINCHES AND WHYDAHS**

Passeridae

SPARROWS

European species in captivity 1974 4b/w.

HYBRIDS: Mossie, Cape Sparrow *Passer melanurus* x House Sparrow *Passer domesticus* 1931 224.

House Sparrow *Passer domesticus*

Baby sparrow 1933 390-392. Breeding 1973 109-115b/w. Eradication 1988 231. Introduced 1999 93. Longevity, fourteen years 1949 111. News about 1941 50-57, 94-101 (Bred?); 1942 11-13. Our British weaver bird 1898 183-184. 1942 11-13. Plumage pattern in buff variety 1973 73-74. Sparrow Club 1917 276-278. Story of a sparrow 1930 107-108. White 1914 285 (Bred).

Spanish Sparrow *Passer hispaniolensis*

1974 9-10; 1975 65.

Cinnamon Sparrow, Russet Sparrow *Passer rutilans*

1909 201-205. Nesting 1909 205-208 (Bred).

Benguella Sparrow, White Nile Rufous Sparrow *Passer iagoensis benguellensis*, *Passer motitensis benguellensis*

Breeding 1923 227-229.

Mossie, Cape Sparrow *Passer melanurus*

1901 165-167*. Bred 1901 215; 1923 228.

Grey-headed Sparrow *Passer griseus*

1896 5-6. Nesting 1910 238-239 (Bred).

Desert Sparrow *Passer simplex*

At semi-liberty 1895 86.

Eurasian Tree Sparrow *Passer montanus*

Bred 1896 179. Unusual nesting site 1967 131.

Sudan Golden Sparrow *Passer luteus*, *Auripasser luteus*

Breeding 1970 147. Nesting 1905 75-77 (Bred).

Chestnut Sparrow *Passer eminibey*, *Sorella eminibey*

1939 342. Breeding 1986 184-185. Longevity, eleven-and-a-quarter years 1961 198.

Petronia

Aggressiveness of 1897 54,122.

Yellow-throated Petronia, Yellow-throated Sparrow, Chestnut-shouldered Petronia, Yellow-throated Rock Sparrow *Petronia xanthocollis*

Breeding and behaviour 1979 135-138.

Bush Petronia, Lesser Rock Sparrow *Petronia dentata*

1903 294-298. Breeding 1956 59-61; 1977 69-74b/w. Breeding records 1955 266.

Rock Petronia, Streaked Rock Sparrow *Petronia petronia*
1897 28-29 (Bred).

WAGTAILS

1925 29. British wagtails in captivity 1905 271. Wagtails in Hertfordshire 1916 345.

HYBRIDS: Grey Wagtail *Motacilla cinerea* x: British Pied Wagtail *Motacilla alba yarrellii* 1895 6; Yellow Wagtail, Blue-headed Wagtail *Motacilla flava flava* 1938 282. Yellow Wagtail, Blue-headed Wagtail *Motacilla flava flava* x British Pied Wagtail *Motacilla alba yarrellii* 1958 65.

White Wagtail *Motacilla alba alba*
Nesting 1913 323-327b/w (Bred).

British Pied Wagtail *Motacilla alba yarrellii*
Aggression 1896 9-10; 1923 238-239. Untiring energy 1923 105-106,131.

Large Pied Wagtail, White-browed Wagtail *Motacilla madaraspatensis*
Bred 1932 101.

Yellow Wagtail, Blue-headed Wagtail *Motacilla flava flava*
1895 28,44,125-126. Breeding 1914 81-83; 1926 281-282. Wild 1914 259-261b/w.

Grey-headed Wagtail *Motacilla flava thunbergi*
Nest and eggs 1895 44 (Wild).

Grey Wagtail *Motacilla cinerea*
1895 37-38. Breeding 1956 216-217. Using fish as food while rearing young 1972 20-22.

Tawny Pipit *Anthus campestris*
1975 216.

Tree Pipit *Anthus trivalis*
Bred 1938 282.

Meadow Pipit *Anthus pratensis*
1975 215; 1996 21-22. Bred 1939 64.

Red-throated Pipit *Anthus cervinus*
1975 215-216.

Rock Pipit *Anthus petrosus*
Bred 1938 282.

ACCENTORS

1924 275.

Alpine Accentor *Prunella collaris*
1924 275-279; 1944 146-147.

Rufous-breasted Accentor, Rufous-breasted Dunnock *Prunella strophiata strophiata*
Notes 1964 184-186.

Jerdon's Accentor, Jerdon's Rufous-breasted Accentor *Prunella strophiata jerdoni*
Nesting 1909 359-362 (Bred).

Mountain Accentor, Siberian Dunnock *Prunella montanella*
Note 1965 68.

Dunnock, Hedge Accentor, Hedge Sparrow *Prunella modularis*
1924 279-280. Bred 1906 343. Breeding 1908 92-96,135-136.

WEAVERS

1912 224; 1915 62b/w; 1923 132b/w*. At liberty 1929 325. In cages 1902 70.
Moult 1900 14. Notes on *Ploceidae* 1900 145,182.
HYBRIDS: *Ploceidae* 1906 345.

Red-billed Buffalo Weaver *Bubalornis niger*
1958 25-26 (Wild).

White-headed Buffalo, Dinemelli's Weaver *Dinemellia dinemelli*
Bred 1995 175*. Breeding 1958 53-55b/w; 1994 25-26*. Exhibited 1911 76,155.
*1925 32.

Scaly-crowned Weaver *Sporopipes squamifrons*
Bred 1906 224; 1935 32; 1938 110. Nesting 1913 362-366b/w.

Grey-headed Social Weaver, Grey-headed Sociable Weaver *Pseudonigrita arnaudi*
Bred 1971 226. Hatched 1975 66.

Sociable Weaver *Philetairus socius*
Bred 1959 55; 1960 160.

Reichenow's Weaver, Reichenow's Baglafecht Weaver *Ploceus baglafecht reichenowi*
Breeding 1936 248-249. Imported 1927 155-156.

Little Masked Weaver, Little Weaver *Ploceus luteolus*
Notes 1975 65-66.

Black-billed Weaver *Ploceus melanogaster*
Breeding note 1997 63-64.

Taveta Golden Weaver *Ploceus castaneiceps*

Bred 1995 174. Breeding 1994 26-27.

Vitelline Masked Weaver, Half-masked Weaver *Ploceus vitellinus*
1897 188-190. Hatched 1959 27.

Southern Masked Weaver *Ploceus velatus*
Nesting data 1996 139.

Village Weaver, Rufous-necked Weaver, Black-headed Weaver *Ploceus cucullatus*
Notes 1899 78; 1924 226. Bred 1932 226; 1952 229. Breeding after twelve years 1969 35. Laid 1999 43 (*Ploceus cucullatus paropterus*).

Spot-backed Weaver *Ploceus cucullatus spilonotus*
Nesting 1910 33-35 (Hatched); 1911 118-120; 1915 36-39. Notes on Black-headed Social Weaver 1948 27-28 (Wrongly identified = this race).

Layard's Black-headed Weaver, Layard's Weaver *Ploceus nigriceps*
1928 132-136 (Hatched).

Speke's Weaver *Ploceus spekei*
Bred 1979 96.

Vicillot's Black Weaver *Ploceus nigerrimus*
With eggs 1999 43.

Chestnut Weaver *Ploceus rubiginosus*
Bred 1979 96; 1988 160-162b/w.

Baya Weaver *Ploceus philippinus*
Bred 1995 174. Nesting notes 1937 165-166.

Finn's Weaver, Big-billed Baya *Ploceus megarhynchus*
Imported 1904 57; 1909 300; 1930 112. Notes 1900 16,145-147.

Forest Weaver *Ploceus bicolor*
1930 253*. At London Zoo 1929 49. Hand-rearing 1988 109-110. Wild 1930 337.

Blue-billed Malimbe *Malimbus nitens*
Note 1956 35.

Gola Malimbe, Ballmann's Malimbe, Tai Malimbe *Malimbus ballmanni*,
Malimbus golensis
Discovered 1981 60.

Red-billed Quelea *Quelea quelea*
At liberty 1950 99. Bred 1902 77; 1964 229. Breeding 1971 87-88. Longevity, twenty years 1998 9. Mass poisoning 1967 206. Melanism 1919 234-235. Nesting of Russ's Weaver 1925 208 (Eggs).

Red-headed Quelea *Quelea erythrops*

Bred 1937 310. Origin of name (*Quelea*) 1970 164.

Madagascan Red Fody, Madagascar Fody *Foudia madagascariensis*

1899 35-36,57,58,77-78. Bred 1933 38. Breeding 1938 220.

Mascarene Fody, Red-headed Fody, Red Forest Fody *Foudia eminentissima*

Bred 1952 188. Note 1936 3.

Euplectes

Melanism in whydahs 1919 40. New species discovered 1992 86. Seasonal development and changes in plumage 1962 106. Whydahs 1917 129b/w. Whydahs bred in German aviaries 1910 90.

HYBRIDS: White-winged Whydah *Euplectes albonotatus* x Red Bishop, Grenadier Weaver *Euplectes orix* 1932 191.

Napolean Weaver, Golden Bishop, Yellow-crowned Bishop *Euplectes afer*

Longevity, twenty-three years 1923 7. Melanism in an aged 1918 169.

Fire-fronted Bishop *Euplectes diadematus*

Breeding 1970 94-95.

Red-crowned Bishop, Crimson-crowned Bishop, Black-winged Bishop *Euplectes hordeaceus*

1963 135-136*.

Orange Bishop *Euplectes franciscanus*

At liberty 1929 235-236; 1931 54; 1934 329. Bred at liberty 1932 32. Breeding 1938 15-16. Fledged 1932 43-44. Longevity, twelve years old 1901 143. Nesting 1895 40; 1905 89-90 (Eggs); 1927 274 (Bred).

Red Bishop, Grenadier Weaver *Euplectes orix*

Bred 1936 116.

Zanzibar Red Bishop, Zanzibar Bishop, Black-vented Bishop *Euplectes nigroventris*

1896 53.

Yellow-rumped Weaver, Yellow-rumped Bishop, Yellow Bishop *Euplectes capensis*

Breeding 1938 221-222. Longevity, eighteen years and ten months 1966 29.

Abyssinian Yellow Bishop *Euplectes capensis xanthomelas*

Imported 1927 156-157.

Red-shouldered Whydah, Fan-tailed Widowbird *Euplectes axillaries*

1923 114-115; 1958 27-28 (Wild). Bred 1937 310; 1990 61. Hatched 1917 132.

Yellow-mantled Whydah, Yellow-mantled Widowbird *Euplectes macrourus macrourus*

1921 135; 1923 115. Breeding 1924 256-257b/w.

Yellow-shouldered Whydah, Yellow-shouldered Widowbird *Euplectes macrourus macrocercus*

1921 135-142. Breeding records 1956 232.

White-winged Whydah, White-winged Whydah *Euplectes albonotatus*

1923 114. Bred 1954 96. Breeding 1938 60-61. Breeding record 1934 312. Hatched 1934 164.

Red-collared Whydah, Red-collared Widowbird *Euplectes ardens ardens*

1896 84-87. Bred 1910 89; 1923 111-112 (HYBRIDS bred - confusion over previous breeding record).

Red-naped Whydah, Red-naped Widowbird *Euplectes ardens laticauda*

1917 130-131b/w; 1923 112-113.

Giant Whydah, Long-tailed Whydah, Long-tailed Widowbird *Euplectes progne*

1923 109-110; 1949 196. Bred 1937 307. Breeding 1910 81-90b/w, 255-256. Longevity, eighteen years 1971 149. Wild habits 1910 224-225.

Jackson's Whydah, Jackson's Widowbird *Euplectes jacksoni*

1917 129-130b/w; 1923 115-117b/w (Bred). Courtship 1918 208-209. Longevity, eighteen years old 1927 2.

Parasitic Weaver *Anomalospiza imberbis*

1926 193-194; 1939 342. Bred 1926 323-324.

Thick-billed Weaver, Grosbeak Weaver *Amblyospiza albifrons*

Nesting of 1929 321-322 (Eggs); 1930 316-317 (Hatched).

HYBRIDS: Bengalese Finch *Lonchura striata* dom. x Cordon Bleu *Uraeginthus* spp. 1953 221. Diamond Sparrow, Diamond Firetail *Stagonopleura guttata*, *Emblema guttata* x: Bengalese Finch *Lonchura striata* dom. 1941 22; Long-tailed Grassfinch *Poephila acuticauda acuticauda* 1951 221. Long-tailed Grassfinch *Poephila acuticauda acuticauda* x Bengalese Finch *Lonchura striata* dom. 1938 12. Orange-cheeked Waxbill *Estrilda melpoda* x Lavender Waxbill, Lavender Finch *Estrilda caerulescens* 1968 225. Pin-tailed Nonpareil, Pin-tailed Parrotfinch *Erythrura prasina* x Spicebird, Scaly-breasted Munia *Lonchura punctulata* 1938 51.

NEGRO FINCHES

1937 6 (Wild).

Grey-headed Negro Finch, Grey-crowned Negrofinch *Nigrita canicapilla*

Roosting association with Green Pigeon *Treron calva* spp. 1972 37.

Grey-headed Oliveback *Nesocharis capistrata*

Success with 1996 76-78b/w.

Aurora Finch, Red-winged Pytilia *Pytilia phoenicoptera*

Bred 1897 123 (?); 1935 303; 1969 133. Breeding 1960 161-164 (*Pytilia phoenicoptera emini*). Hatched 1904 56.

Orange-winged Pytilia *Pytilia afra*

1900 115,137. Bred 1950 70. Hatched 1935 23. Note 1899 164-165; 1903 403; 1958 113. Sitting 1901 161.

Melba Finch, Green-winged Pytilia *Pytilia melba*

1895 89; 1899 164-165; 1963 40-41. Albinistic 1909 364. Bred 1932 103; 1936 266-267. Breeding 1938 70-71. Breeding records 1936 306. New race 1998 40. Reared by fosters 1932 193. *1923 174.

Red-faced Pytilia *Pytilia hypogrammica*

Note 2001 43. Reared under Bengalese Finch *Lonchura striata* dom. 1997 141.

Green-backed Twinspot *Mandingoa nitidula*

1935 22-23.

Red-faced Crimson-Wing *Cryptospiza reichenovii*

Bred 1970 168. Breeding 1979 39-40.

Western Bluebill, Red-breasted Bluebill *Spermophaga haematina*

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HYBRIDS: Pre-1938 hybrids listed in Hopkinson's records 1932 39,84,190,223; 1938 190,239.

Fringilla

HYBRIDS: Bramblefinch, Brambling *Fringilla montifringila* x Chaffinch *Fringilla coelebs* 1911 349*; 1932 179.

Chaffinch *Fringilla coelebs*

1896 117-118 (*Fringilla coelebs maderiensis*); 1897 29-31; 1935 253. Longevity, twenty-one years 1934 117. Mutations 1940 236. Nest of 1917 241-243b/w. Nesting 1900 8-9. Singing match 1897 114.

Blue Chaffinch, Teydefinch, Teydean Chaffinch, Canary Island Chaffinch

Fringilla teydea

1895 103-104; 1912 195-197.

Bramblefinch, Brambling *Fringilla montifringila*

1897 110-112; 1935 257. Bred 1938 171-172. Early breeding record 1945 79-80.

Serinus

Instances of aberrant plumage in African *Serinus* 1998 53b/w. Notes on *Serinus* 2000 178. On certain Serin finches 1901 169. *Serinus* survey 2000 138.

HYBRIDS: Alario Finch, Black-headed Canary *Serinus alario* x: Canary 1895 53; Green Singing Finch, Yellow-fronted Canary *Serinus mozambicus* 1935 56. Yellow-browed Canary, Cape Canary *Serinus canicollis* x Green Singing Finch, Yellow-fronted Canary *Serinus mozambicus* 1932 84. Green Singing Finch, Yellow-fronted Canary *Serinus mozambicus* x: Canary 1897 68; Yellow-browed Canary, Cape Canary *Serinus canicollis* 1932 84; Grey Singing Finch *Serinus leucopygius* 1970 165. Grey Singing Finch *Serinus leucopygius* x Green Singing Finch, Yellow-fronted Canary *Serinus mozambicus* 1958 73. Hooded Siskin *Carduelis magellanica* x Island Canary, Wild Canary *Serinus canaria* 1902 123-124. Streaked-headed Seedeater *Serinus gularis* x Canary 1940 316. Grey Singing Finch *Serinus leucopygius* x White Zebra Finch *Taeniopygia guttata* 1957 157.

Red-fronted Serin, Fire-fronted Serin *Serinus pusillus*

Bred 1979 41. Imported 1904 57; 1968 147-149*.

European Serin *Serinus serinus*

1896 152-153; 1975 159-162b/w. Breeding 1898 14-15. Eggs 1903 327.

Island Canary, Wild Canary *Serinus canaria*

1897 211; 1899 74; 1905 380-381; 1906 45-46,81,115-116. Bred 1964 58; 1979 41. Early history 1917 183-184,211-212. Some notes on 1986 200-207.

Citril Finch *Serinus citrinella*

1896 42. Breeding results 1963 131,173.

Tibetan Siskin *Serinus thibetanus*

Bred 1913 93.

Yellow-browed Canary, Cape Canary *Serinus canicollis*

1901 172. Bred 1934 312. Feeding and breeding 1987 98-111b/w. Homing 1952 134-136.

- Black-faced Canary** *Serinus capistratus*
Breeding 1961 118-120.
- Forest Canary** *Serinus scotops*
Bred 1955 329; 1986 93-95b/w.
- Grey Singing Finch, White-rumped Seed-eater** *Serinus leucopygius*
Bred 1897 123. Breeding 1903 252. Eggs of 1903 327-328,374. Nesting 1904 303-304 (Hatched). Sexing 1901 170-171; 1902 98-99.
- Abyssinian Yellow-rumped Seed-eater, Abyssinian Yellow-rumped Canary**
Serinus xanthopygius, Serinus atrogularis xanthopygius
Bred 1960 160. Nesting 1970 168.
- Yellow-rumped Seed-eater, Yellow-rumped Serin** *Serinus atrogularis*
Bred 1972 34. Nesting of 1907 198-200b/w (Bred).
- Lemon-breasted Seed-eater, Lemon-breasted Canary** *Serinus citrinipectus*
1983 159-160; 1984 188-189; 1985 183; 1987 117; 1988 175. Breeding 1993 205-207b/w; 2000 178-181. Further notes 1997 4-5b/w. Unsuccessful nesting 1971 148.
- Green Singing Finch, Yellow-fronted Canary** *Serinus mozambicus*
1897 66-68 (Bred); 1979 169. Bred 1897 136. Breeding 1970 147. Eggs of 1903 328-329. Longevity, twenty-one years 1976 113. Sexing 1901 170-171.
- White-bellied Canary, White-bellied Serin** *Serinus dorsostriatus*
Bred 1970 168; 1972 34.
- St. Helena Seed-eater, Yellow Canary** *Serinus flaviventris*
1901 171; 1902 216-217. Bred 1970 168. Breeding 1926 328-329; 1932 142-145. Feeding and breeding 1985 220-221b/w. Value as mule breeder 1952 18-20.
- Brimstone Canary, Sulphury Seed-eater** *Serinus sulphuratus*
1901 172. Bred 1933 128; 1949 76. Breeding records 1961 169. Feeding and breeding 1985 218-220b/w. Nesting 1910 292-294 (Bred but later found to be hybrid).
- White-throated Canary, White-throated Seed-eater, White-fronted Seed-eater, White-fronted Canary** *Serinus albogularis*
1901 172; 1987 114. Feeding and breeding 1985 217-218b/w.
- Streaky-headed Seed-eater** *Serinus gularis*
Bred 1957 181. Feeding and breeding 1987 98-111b/w.
- Black-eared Seed-eater** *Serinus mennelli*
Feeding and breeding 1987 98-111b/w; 1990 76-84b/w.
- White-winged Seed-eater** *Serinus leucopterus*
1986 197-199.

Drakensburg Siskin, Symons's Siskin *Serinus symonsii*, *Serinus totta symonsii*
1896 37-39b/w. Bred 2000 185. Further notes on *Serinus symonsii* 2000 118-121*.

Alario Finch, Black-headed Canary *Serinus alario*
1897 107-110,200; 1951 204-205 (Bred). "Avoid millet" 1897 75,147. Bred 1896 173. Breeding 1975 151-152. Longevity, nine years 1897 147.

Oriole Finch *Linurgus olivaceus*
1981 130-135b/w.

Carduelis
1987 219b/w.

European Greenfinch, Western Greenfinch *Carduelis chloris*
1896 24-25; 1935 173-176. Early nesting 1951 64. Mutations 1972 108. Rare feathered 1936 145. Song 1896 48.

Oriental Greenfinch, Grey-capped Greenfinch, Chinese Greenfinch *Carduelis sinica*
1896 25. Bred 1958 148. Breeding 1916 34-35b/w.

Black-headed Greenfinch, Yellow-breasted Greenfinch, Himalayan Greenfinch *Carduelis spinoides*
1919 92 (Bred). Bred 1964 57-58. Breeding records and identity 1920 181,197.

Eurasian Siskin, Spruce Siskin *Carduelis spinus*
1897 50-51 ("has been bred"). Bred 1938 172; 1945 78.

Red Siskin *Carduelis cucullata*
1902 123; 1903 47-51*,115-116; 1944 44. A failure 1932 316-317. A purchase in Santa Cruz 1924 103-105. Breeding 1913 51-54,156; 1984 76-79. Hatched 1911 48; 1965 56. Mules 1920 150. Proposed census 1984 181-182. Recovery project 1996 141. Results of census 1986 100-108. Status 1983 120-121.
HYBRIDS: 1929 332. Fertility of hybrids 1935 229-232. Hybridization 1951 108.

Hooded Siskin, Black-headed Siskin, Southern Siskin *Carduelis magellanica*
1897 49-50 (*Carduelis magellanica icterica*).

Black Siskin *Carduelis atrata*
Breeding record 1934 311; 1984 189-191.

American Goldfinch *Carduelis tristis*
1899 125-127*. Lifestyle 1977 193-194b/w.

Lesser Goldfinch *Carduelis psaltria*
Imported 1927 227.

Goldfinch *Carduelis carduelis carduelis*

1898 9-12; 1905 21-23*; 1916 99-104b/w. Food for young 1897 38. Longevity, sixteen-and-a-half years 1931 260. Mortality 1919 131-133. Nesting 1895 100. Sexing 1903 246.

Grey-crowned Goldfinch, Grey-headed Goldfinch, Himalayan Goldfinch

Carduelis carduelis caniceps

1905 24-26*.

Common Redpoll *Carduelis flammea flammea*, *Acanthis flammea flammea*

Colour 1909 359.

Lesser Redpoll *Carduelis flammea cabaret*, *Acanthis flammea cabaret*

1897 68-69 (“breeds readily”). Breeding 1908 160-161. In Berkshire 1905 313-314.

HYBRIDS: 1964 227.

Twite *Carduelis flavirostris*, *Acanthis flavirostris*

Breeding 1895 118.

Eurasian Linnet *Carduelis cannabina*, *Acanthis cannabina*

1897 129. As songster 1912 242-243. Bred 1935 57. Poem 1897 164.

Crimson-winged Finch *Rhodopechys sanguinea*

1909 241-243.

Trumpeter Finch, Trumpeter Bullfinch *Rhodopechys githaginea*

1897 87-88. Behaviour, voice, display and breeding with fosters 1978 80-87. Bred 1905 318; 1927 202. “Failed to rear for first time for many years” 1900 76. Wild UK records 1977 112.

ROSEFINCHES

Breeding 1958 137-138.

HYBRIDS: 1938 137.

Long-tailed Rosefinch *Uragus sibiricus*

Bred 1996 185.

Dark Rosefinch, Dark-breasted Rosefinch *Carpodacus nipalensis*

Bred 2000 47.

Common Rosefinch *Carpodacus erythrinus*

Breeding 1956 118-119.

Purple Finch *Carpodacus purpureus*

Breeding 1958 137-138.

HYBRIDS: 1954 181.

Cassin’s Finch *Carpodacus cassinii*

Breeding 1978 186.

Vinaceous Rosefinch *Carpodacus vinaceus*
1909 301.

House Finch, Ruddy Housefinch, Mexican Rosefinch *Carpodacus mexicanus*
Albinos with young 1969 193. Bred 1911 52; 1912 286; 1956 196; 1995 176.
Breeding record 1926 20-22. Disease in wild population 1995 45. Nesting 1925
278-279,325,326 (Bred).

Pallas's Rosefinch *Carpodacus roseus*
Bred 2000 47.

Three-banded Rosefinch *Carpodacus trifasciatus*
Bred 2000 47. Breeding 1997 67-70.

Rose-browed Rosefinch, Spot-winged Rosefinch *Carpodacus rhodopeplus*
Bred 1917 251; 1945 134.

Streaked Rosefinch, Eastern Great Rosefinch *Carpodacus rubicilloides*
Hatched 2000 47.

Great Rosefinch, Caucasian Great Rosefinch *Carpodacus rubicilla*
1996 121-123b/w.

Pine Grosbeak *Pinicola enucleator*
1897 1-5*; 1931 172-173; 1945 134-136. Breeding 1907 55-56. Breeding and
maintenance 1977 195-198.

Parrot Crossbill *Loxia pytyopsittacus*
Breeding wild in UK 1985 174.

Red Crossbill *Loxia curvirostra*
1895 104-105; 1899 24 (Wild); 1911 114-117,202-203; 1952 102. Breeding 1911
109-114*. Food 1927 275-276.

Pyrrhula
1985 143-156b/w.

Red-headed Bullfinch *Pyrrhula erythrocephala*
1915 169-171*. Bred 1917 250; 1945 81. Nesting 1917 203-206 (Eggs).

Northern Bullfinch, Eurasian Bullfinch *Pyrrhula pyrrhula*
1897 5; 1912 136-137. As decoys 1914 85-86. Bred 1938 172. Breeding 1934
105-108. Food for young 1897 38. Mutation 1951 27. Pair of 1926 17-18. Rearing
young 1900 283-285. Strange behaviour of a male 1960 87. Tame 1914 335-337;
1919 8; 1936 273-274.
HYBRIDS: Sub-specific hybrid *Pyrrhula pyrrhula pileata* x Japanese Bullfinch
Pyrrhula pyrrhula griseiventris 1942 10-11.

Hawfinch *Coccothraustes coccothraustes*

1896 26; 1924 73. As a pet 1921 104-105. Breeders of 1946 224-225. In freedom and captivity 1942 39-41. Nesting 1912 28-34 (Bred).

Black-tailed Hawfinch, Yellow-billed Grosbeak *Eophona migratoria*,
Coccothraustes migratoria

1895 12; 1896 25-26. Breeding 1992 71-75b/w. Hatched 1932 270. Nesting 1895 104 (Hatched).

Japanese Grosbeak, Japanese Hawfinch, Masked Hawfinch *Eophona personata*,
Coccothraustes personata

1930 314 (Hatched).

Black and Yellow Grosbeak *Mycerobas icteroides*, *Coccothraustes icteroides*
Bred 1924 73. Hatched 1931 335.

Evening Grosbeak *Hesperiphona vespertina*, *Coccothraustes vespertina*
Breeding 1956 167-170. Migration and keeping 1939 225-228.

HAWAIIAN HONEYCREPERS

Hand-raising 1971 113*.

Common Amakihi *Viridonia virens*, *Loxops virens*
Sixteen bred 1996 43.

Crested Honeyeater, Akohekohe *Palmeria dolei*
In captivity 1994 54.

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Breeding and rearing of South African buntings in captivity and the wild 1990 184.

Crested Bunting *Melophus lathami*
1924 157; 1984 158. Bred 1981 59. Breeding 1983 133-135. Notes 1935 153-154.

Yellowhammer *Emberiza citrinella*
1984 151 (Eastern Yellowhammer *Emberiza citrinella erythrogegens*).

Pine Bunting, White-crowned Bunting *Emberiza leucocephala*
1924 124.

Cirl Bunting *Emberiza cirlus*
1924 129-130; 1984 156. Conservation success 1993 216. Song 1921 48.

Rock Bunting *Emberiza cia*
1974 191.

Meadow Bunting, Red-eared Bunting, Siberian Meadow Bunting *Emberiza
cioides*
1984 156-157.

- Grey-necked Bunting** *Emberiza buchanani*
1939 324-326.
- Ortolan Bunting** *Emberiza hortulana*
1924 131-132; 1974 190. Breeding 1973 167-169.
- Lark-like Bunting** *Emberiza impetuani*
Breeding 1970 4-5. In the wild and captivity 1990 184-185.
- Cinnamon-breasted Rock Bunting, Cinamon-breasted Bunting** *Emberiza tahapisi*
1924 134 (Been bred); 1984 157. Bred 1949 76; 1953 113. Breeding 1937 311-313; 1990 20-23. In the wild and captivity 1990 185.
- Cape Bunting** *Emberiza capensis*
1924 134-135. In the wild and captivity 1990 185-186.
- Tristram's Bunting** *Emberiza tristrami*
1984 149.
- Chestnut-eared Bunting, Grey-headed Bunting** *Emberiza fucata*
1984 149-150b/w.
- Little Bunting** *Emberiza pusilla*
1974 189-190; 1984 153b/w.
- Yellow-browed Bunting** *Emberiza chrysophrys*
Hatched 1975 67.
- Rustic Bunting** *Emberiza rustica*
1984 152-153b/w (*Emberiza rustica latifascia*).
- Elegant Bunting, Yellow-throated Bunting** *Emberiza elegans*
1924 120; 1970 41-46b/w*; 1984 152.
- Yellow-breasted Bunting** *Emberiza aureola*
1924 121-122; 1984 151-152b/w (*Emberiza aureola ornata*); 1984 154. Breeding 1972 9-11.
- Chestnut Bunting** *Emberiza rutila*
1900 59; 1924 122; 1984 148.
- African Golden-breasted Bunting** *Emberiza flaviventris*
1924 121; 1984 157-158. Bred 1949 16; 1957 181. Breeding 1939 314-317. Early breeding record 1930 340. In the wild and captivity 1990 184. Nesting 1930 306-308 (Hatched).
- Cabanis's Bunting, Cabanis's Yellow Bunting** *Emberiza cabanisi*
Bred 1986 172. In the wild and captivity 1990 186-187.

- Black-headed Bunting** *Emberiza melanocephala*
1924 98-99; 1972 111. Supposed breeding but wrongly identified 1900
137,138,203.
- Red-headed Bunting** *Emberiza bruniceps*
1924 130-131; 1972 11. Breeding 1973 3-7. Hatched 1957 210. Seed preference
1955 280.
- Yellow Bunting, Japanese Yellow Bunting, Sulphury Bunting** *Emberiza
sulphurata*
1984 150-151. At London Zoo 1900 254.
- Black-faced Bunting, Grey-headed Bunting, Masked Bunting** *Emberiza
spodocephala*
1924 99-100,122-123 (*Emberiza spodocephala personata*); 1984 154b/w.
- Grey Bunting, Japanese Grey Bunting** *Emberiza variabilis*
1984 148.
- Reed Bunting** *Emberiza schoeniclus*
1924 99. Bred 1911 52.
- Japanese Reed Bunting, Ochre-rumped Bunting** *Emberiza yessoensis*
1984 148-149.
- Corn Bunting** *Miliaria calandra*
1974 190-191.
- Lapland Bunting, Lapland Longspur** *Calcarius lapponicus*
1895 14; 1924 132; 1950 59. Breeding records 1934 312; 1949 38.
- Snow Bunting** *Plectrophenax nivalis*
1895 14; 1924 133; 1945 79; 1946 18. Bred 1949 38. Nesting notes 1944 106-107
(Bred).
- Lark Bunting** *Calamospiza melanocorys*
1924 136. At London Zoo 1903 183.
- Fox Sparrow** *Passerella ilaca*
1984 163-164b/w.
- Song Sparrow** *Melospiza melodia*
1895 46; 1984 160-161. Breeding 1908 26-30. Fourteen years old 1921 62.
- Lincoln Sparrow, Lincoln's Sparrow** *Melospiza lincolni*
1984 161b/w.
- Swamp Sparrow** *Melospiza georgiana*
1984 161b/w.

Zonotrichia

HYBRIDS: White-throated Sparrow *Zonotrichia albicollis* x Song Sparrow *Melospiza melodia* 1905 331.

Rufous-collared Sparrow *Zonotrichia capensis*

1984 159-160. Breeding 1966 131-132. Breeding records 1967 24.

Harris's Sparrow *Zonotrichia querula*

1984 159. Breeding 1931 252-254b/w.

White-throated Sparrow *Zonotrichia albicollis*

1898 44; 1899 181; 1924 139; 1984 158-159b/w.

White-crowned Sparrow *Zonotrichia leucophrys*

1924 138-139. Bred 1952 187 (Gambel's Sparrow *Zonotrichia leucophrys gambelii*).

Dark-eyed Junco, Slate-coloured Junco *Junco hyemalis*

1984 165-166.

Grassland Sparrow *Ammodramus humeralis*, *Myospiza humeralis*

1984 163.

Field Sparrow *Spizella pusilla*

1898 44; 1984 163.

Lark Sparrow *Chondestes grammacus*

1927 130.

Green-tailed Towhee *Pipilo chlorurus*, *Chlorurus chlorurus*

At London Zoo 1911 69. Been kept at Bronx Zoo 1926 228.

Rufous-sided Towhee *Pipilo erythrophthalmus*

1898 43; 1916 45-50*; 1984 164-165b/w. Breeding 1955 224-226 (*Pipilo erythrophthalmus oregonus*). Fledged 1963 206.

Albert's Towhee *Pipilo aberti*

At London Zoo 1911 69.

BRUSH FINCHES

1984 200-201.

Ochre-breasted Brush Finch *Atlapetes semirufus*

1977 28-32b/w; 1984 201.

Chestnut-capped Brush Finch *Atlapetes brunneinucha*

1927 90-91; 1984 201-202.

Stripe-headed Brush Finch *Atlapetes torquatus*

1977 32-33b/w; 1984 202.

Green Cardinal, Yellow Cardinal *Gubernatrix cristata*

Bred 1897 192-193, 211-212. Breeding 1985 199-203. Breeds readily 1897 119.

Paroaria

HYBRIDS: Red-crested Cardinal *Paroaria coronata* x Pope Cardinal *Paroaria dominicana* 1922 147.

Red-crested Cardinal *Paroaria coronata*

Abnormal 1928 254; 1929 20. At liberty 1908 53. Notes 1955 88-90. Sexing 1897 105. Longevity, twenty-five years old 1914 119; 1927 111.

Pope Cardinal, Red-cowled Cardinal *Paroaria dominicana*

Bred 1932 16-17. Breeding 1974 98-104. Hatched 1895 128; 1957 48. Nesting 1904 267-269 (Eggs). Seed preference 1955 280. B/w 1913 391.

Red-capped Cardinal *Paroaria gularis*

1907 245 (Black-eared Cardinal *Paroaria gularis nigrigerus*). Breeding 1937 251; 1991 32-33.

Yellow-billed Cardinal *Paroaria capitata*

1904 63-66. Bred 1940 162. Early breeding record 1921 160. Nesting notes 1921 125, 133-135 (Corrections 175 bred).

WOOD WARBLERS

American warblers 1925 32. Notes on a few American warblers 1917 47.

Kirtland's Warbler *Dendroica kirtlandii*

Population increase 1991 42. Status 1984 178.

American Redstart *Setophaga ruticilla*

1930 121-122 (Wild).

TANAGERS

1923 251*. Adaptability to captive conditions 1982 235. Breeding records 1923 255; 1938 279. Diet 1915 80. Feeding of certain tanagers 1952 171. Food for smaller species 1923 284; 1924 66. Multi-coloured Tanager *Chlorochrysa nitidissima* bred 1906 180. Nectar mixture for tanagers 1930 83. Neo-tropical finches 1987 207. Nesting of three tanagers common in French Guyana 1978 105b/w. Rare tanagers imported into Belgium and Holland 1974 20; 1975 98. Recent imports 1988 167. Song of tanagers 1898 46; 1899 33. Tanagers and sugarbirds of Costa Rica and Colombia 1958 142. Tanagers as finches 1905 169. Tanagers in outside aviaries 1929 56. Tanagers of Western USA 1956 165. Treatment of 1897 182.

HYBRIDS: Red-legged Honeycreeper, Yellow-winged Honeycreeper *Cyanerpes cyaneus* x Golden-masked Tanager, Golden-hooded Tanager, Mrs Wilson's Tanager *Tangara larvata* 1972 48, 187*.

Bananaquit *Coereba flaveola*

1977 210 (Wild).

Magpie Tanager *Cissopis leveriana*

Bred 1960 225-226; 1963 207-208. Breeding 1938 335-339. Hatched 1909 323-325; 1912 342.

Grass-Green Tanager *Chlorornis riefferii*

1938 187.

White-capped Tanager *Sericossypha albocristata*

1933 215.

White-shouldered Tanager *Tachyphonus luctuosus*

Bred 1969 17.

Ruby-crowned Tanager *Tachyphonus coronatus*

Fledged 1960 229.

White-lined Tanager, Black Tanager *Tachyphonus rufus*

1977 210 (Wild). Bred 1962 213. Breeding 1906 331-336; 1956 202-209. Breeding records 1959 182. Laid 1927 92.

Red-throated Ant Tanager *Habia fuscicauda*

Bred 1993 194.

Flame-coloured Tanager *Piranga bidentata*

Imported 1913 189; 1927 132,318. Nesting 1928 299-300 (Eggs).

Hepatic Tanager *Piranga flava*

Note 1956 166.

Summer Tanager *Piranga rubra*

1903 173; 1912 57; 1956 166 (*Piranga rubra cooperi*).

Scarlet Tanager *Piranga olivacea*

1956 91-93*. Australian breeding results 1956 108. Bred 1906 342-343; 1912 252; 1967 16. Longevity, twenty-eight-and-a-half years 1967 207. Reared to six weeks 1932 242-247. Song 1898 118; 1899 33.

Western Tanager *Piranga ludoviciana*

Note 1956 166.

Ramphocelus

Breeding 1957 96. Breeding under captive conditions 1982 142-148.

HYBRIDS: Yellow-rumped Tanager *Ramphocelus flammigerus icteronotus* x Flame-rumped Tanager, Variable Tanager *Ramphocelus flammigerus flammigerus* 1975 66.

Crimson-collared Tanager *Ramphocelus sanguinolentus*

Exhibited 1913 92b/w; 1914 118.

Masked Crimson Tanager *Ramphocelus nigrogularis*
Bred 1972 25. Breeding note 1997 60. Note 1933 155.

Scarlet-backed Tanager *Ramphocelus dimidiatus*
Bred 1940 162; 1992 194. Breeding 1968 202. Breeding at liberty in Tahiti 1944 105.

Silver-beaked Tanager, Maroon Tanager *Ramphocelus carbo*
Breeding 1964 55-56; 1987 152-158; 1991 33-34. Hatched wild in Tahiti 1938 63. Nesting 1963 199-200; 1978 105-110 (Wild). Unusual nesting of 1977 85-87 (Wild).

Brazilian Tanager *Ramphocelus bresilius*
1956 91-93*.

Flame-rumped Tanager, Variable Tanager *Ramphocelus flammigerus*
flammigerus
Bred 1960 228. Hatched 1964 57. Longevity, thirteen-and-a-half years 1960 245.

Yellow-rumped Tanager *Ramphocelus flammigerus icteronotus*
Bred 1975 66. Breeding 1944 21-22; 1970 216-219. Hatched 1917 262 (Died 321).

Stripe-headed Tanager *Spindalis zena*
1910 343-344*.

Thraupis

HYBRIDS: Golden-chevroned Tanager, Ornate Tanager, Archbishop Tanager
Thraupis ornata x Blue-Grey Tanager *Thraupis episcopus* 1931 246.

Blue and Yellow Tanager *Thraupis bonariensis*
Bred 1967 118.

Blue-Grey Tanager *Thraupis episcopus*
Bred 1953 61. Breeding 1927 323-324; 1971 53. Nesting 1978 105-110 (Wild).
Wild 1977 210.

Golden-chevroned Tanager, Ornate Tanager, Archbishop Tanager *Thraupis ornata*
1905 179-184*. Bred 1922 123,146; 1969 17.

Palm Tanager *Thraupis palmarum*
Bred 1938 279. Nesting 1978 105-110 (Wild).

Gold-ringed Tanager *Buthraupis aureocincta*
Rediscovered 1993 103.

Scarlet-bellied Mountain Tanager *Anisognathus igniventris*
1938 299-300*; 1957 90-91. Hatched 1973 18.

Blue-shouldered Mountain Tanager *Anisognathus somptuosa*

1939 1-2*. Breeding 1963 30-32.

Black-chinned Mountain Tanager *Anisognathus notabilis*
1917 293-296*.

Diademed Tanager *Stephanophorus diadematus*
1939 175-181b/w. Bred 1923 237. Breeding 1965 104-106,199; 1966 33.
Longevity, nearly twenty years old 1903 180.

EUPHONIAS

Establishing and breeding 1976 8. Feeding 1952 171.

Purple-throated Euphonia *Euphonia chlorotica*
Bred 1976 8. Breeding 1971 13-14.

Velvet-fronted Euphonia *Euphonia concinna*
Bred 1976 8.

Violaceous Euphonia, Violet Euphonia *Euphonia violacea*
1895 56-57. Breeding 1937 231-232.

Thick-billed Euphonia *Euphonia laniirostris*
Breeding 1971 101-102.

Yellow-throated Euphonia *Euphonia hirundinacea*
Fledged 1960 236-238.

Antillean Euphonia, Blue-headed Euphonia, Blue-crowned Euphonia, Blue-hooded Euphonia *Euphonia musica*
1974 20-21.

Golden-bellied Euphonia, White-lored Euphonia *Euphonia chrysopasta*
Breeding 1985 124-126.

Bronze-Green Euphonia *Euphonia mesochrysa*
Hatched 1975 67.

Orange-bellied Euphonia *Euphonia xanthogaster*
Bred 2002 91.

Chestnut-bellied Euphonia, Pectoral Euphonia *Euphonia pectoralis*
1920 183-184.

Yellow-collared Chlorophonia *Chlorophonia flavirostris*
1975 99. Breeding 1969 1-2*.

Blue-crowned Chlorophonia *Chlorophonia occipitalis*
Breeding 1974 25-28.

Tangara

HYBRIDS: Breeding hybrids 1971 129b/w. Blue-headed Tanager *Tangara cyanicollis* x: Golden-masked Tanager, Golden-hooded Tanager *Tangara larvata* 1968 46; Opal-rumped Tanager *Tangara velia* 1975 67. Seven-coloured Tanager, Superb Tanager *Tangara fastuosa* x Blue-headed Tanager *Tangara cyanicollis* 1971 230.

Turquoise Tanager *Tangara mexicana*

Behaviour and nesting 1974 168-171. Bred 2002 91. Hatched 1936 298-299.

Paradise Tanager *Tangara chilensis*

Display 1973 179.

Seven-coloured Tanager, Superb Tanager *Tangara fastuosa*

1908 107-110*. Note 1898 58. Hatched 1959 83.

Green-headed Tanager, Three-coloured Tanager *Tangara seledon*

Bred 1923 254-255 (= this species?); 1938 279.

Festive Tanager, Red-necked Tanager *Tangara cyanocephala*

Breeding 1934 270; 1944 50-57; 1968 42-45.

Golden Tanager, Black-eared Golden Tanager *Tangara arthus*

Bred 1960 220; 1971 230; 1973 129. Breeding 1971 49-52.

Silver-throated Tanager *Tangara icterocephala*

Bred 1971 230; 1995 80.

Spotted Tanager, Yellow-browed Tanager *Tangara punctata*

1941 191-192*. Bred 2000 140. Hatched 1960 228.

Golden-eared Tanager *Tangara chrysotis*

Behaviour 1973 179. Ear-covert display 1974 109-112b/w. Hatched 1969 17.

Bay-headed Tanager *Tangara gyrola*

Bred 1987 112.

Burnished-Buff Tanager *Tangara cayana*

Bred 1947 107; 2002 139. Breeding 1961 181-182.

Chestnut-backed Tanager *Tangara preciosa*

1898 159-161.

Golden-naped Tanager, Fawn-naped Tanager *Tangara ruficervix*

Breeding 1970 243.

Blue-necked Tanager, Blue-headed Tanager *Tangara cyanicollis*

1917 293-296*; 1997 140. Bred 1973 129; 2002 139.

Golden-masked Tanager, Golden-hooded Tanager *Tangara larvata*

1940 243-244*. Bred 2000 140. Breeding 1965 7; 1971 11-12; 1973 165-167.
Breeding at liberty in Tahiti 1938 63. Naming 1965 72,95.

Golden-collared Honeycreeper *Iridophanes pulcherrima*, *Tangara pulcherrima*
Breeding attempt 1979 141-145 (Fledged). Note 1974 23.

Blue Dacnis *Dacnis cayana*

1916 189 (Laid). Bred 2001 92. Breeding 1932 266 (Partially hand-reared); 1962
211.

SUGARBIRDS

1915 115; 1923 281. Notes 1911 108; 1931 103. Recent imports 1987 172.

HYBRIDS: Black-headed Sugarbird, Green Sugarbird *Chlorophanes spiza* x Red-
legged Honeycreeper, Yellow-winged Sugarbird *Cyanerpes cyaneus* 1971 230.
Red-legged Honeycreeper, Yellow-winged Sugarbird *Cyanerpes cyaneus* x
Black-headed Sugarbird, Green Sugarbird *Chlorophanes spiza* 1971 230.

Green Honeycreeper, Black-headed Sugarbird, Green Sugarbird *Chlorophanes*
spiza

Bred 2000 140. Breeding 1962 49-50; 1963 206. Hatched 1929 227-228; 1932 35.
Reared to fourth generation 1965 11. Sixteen years old 1974 160.

Shining Honeycreeper *Cyanerpes lucidus*

Temporary blindness in male 1974 200-201.

Purple Honeycreeper *Cyanerpes caeruleus*

1910 167-170*. Breeding 1968 21. Longevity, eighteen years 1930 27. Notes 1968
22-23.

Red-legged Honeycreeper, Yellow-winged Sugarbird *Cyanerpes cyaneus*

1930 116-117 (Wild); 1910 167-170. Bred 1969 17-18. Breeding 1929 30-32b/w;
1934 219-220; 1938 21-28; 1945 180-181; 1961 93-96; 1963 120b/w. Breeding
and hand-rearing 1979 6-15. Cage-breeding 1952 195-196b/w. Fledged 1916 324.
Longevity, ten years 1933 204. Laid 1945 141-142. Nesting 1915 293; 1916
190,270-275. Notes on young 1917 57b/w. Seasonal change in colour 1899 43.

Swallow Tanager *Tersina viridis*

Early importations 1932 294. Note 1974 20.

Coryphospingus

HYBRIDS: Pileated Finch *Coryphospingus pileatus* x Red-crested Finch
Coryphospingus cucullatus 1934 38.

Pileated Finch *Coryphospingus pileatus*

Breeding 1906 30-34; 1928 17; 1931 303-304; 1938 14. Feather plucking 1900
210. Hatched 1930 280; 1984 166-167; 1987 220. Recent breedings 1932 151.

Red-crested Finch *Coryphospingus cucullatus*

Bred through many generations 1949 157. Breeding 1927 22-23; 1966 149-153.
Early breeding record 1967 105. Nesting 1941 153-154; 1984 167.

Rhodospingus Finch, Crimson Finch, Crimson Finch Tanager *Rhodospingus cruentus*

1967 1-2*. Bred 1972 213.

Grey-hooded Sierra Finch *Phrygilus gayi*

1924 149-150.

Mourning Sierra Finch, Orchard Finch *Phrygilus fruticeti*

1924 150-151; 1933 165. Bred at semi-liberty 1947 221-222. Nesting 1920 125-126b/w (Bred).

Slaty Finch *Haplospiza rustica*

1984 200.

Black-crested Finch *Lophospingus pusillus*

1943 2-6; 1958 122; 1987 221. Bred 1970 166. Breeding 1938 274-275; 1939 331-333; 1954 11-15; 1970 174-176.

Gough Finch, Gough Island Finch, Gough Island Bunting *Rowettia goughensis*

At London Zoo 1956 159.

Cinereous Finch *Piezorhina cinerea*

Breeding and behaviour 1993 56-60b/w.

Common Diuca Finch *Diuca diuca*

1899 181. Breeding records 1901 181; 1924 152-153. Nesting 1901 177-181 (Bred).

Cinnamon Warbling Finch *Poospiza ornata*

1984 199-200. Breeding 1960 171-172b/w; 1972 113-117b/w.

Black and Chestnut Warbling Finch *Poospiza whitii*

Breeding 1938 98-101.

Black and Rufous Warbling Finch *Poospiza nigrorufa*

1956 10-11.

Collared Warbling-Finch *Poospiza hispaniolensis*

Breeding 1984 27-32b/w.

Sicalis

1987 212-213. Breeding the Lesser Saffron Finch? *Sicalis minor* 1916 25-28.

Saffron Finch *Sicalis flaveola flaveola*

1897 127-129 (Bred); 1984 167-168. Bred 1896 14,30; 1902 122; 1931 87-88. Observations on behaviour and breeding 1973 207-213; 1987 83-89.

Pelzel's Saffron Finch *Sicalis flaveola pelzelni*

Nesting 1909 298-299 (Bred).

Grassland Yellow Finch, Yellowish Finch *Sicalis luteola*
1905 97-101. Bred 1906 340-31.

Jacarina Finch, Blue-Black Grassquit *Volatinia jacarina*
1896 153-154; 1984 169-170. Bred 1969 133; 1972 116. Fledged 1931 329.

Sporophila
1935 1*,43,69,116; 1987 213b/w. Bred 1917 28. Breeding records 1935 44-45.
Eight species bred 1968 48.

Buffy-throated Seedeater, Buffy-fronted Seedeater, Cayenne Seedeater
Sporophila frontalis
Breeding 1964 111-113.

Grey Seedeater *Sporophila intermedia*
1935 4-5 (Bred); 1984 172.

Plumbeous Seedeater *Sporophila plumbea*
1896 57; 1935 7-8.

Variable Seedeater, Wing-barred Seedeater *Sporophila americana aurita*
1935 10*; 1935 10-11 (*Sporophila americana ophthalmica*) 43-44. Bred 2000
140.

White-collared Seedeater, Black-banded Seedeater *Sporophila torqueola*
1935 46-47.

Rusty-collared Seedeater, Collared Seedeater *Sporophila collaris*
Bred 1935 47; 1984 170-171b/w (*Sporophila collaris melanocephalus*).

Lesson's Seedeater *Sporophila bouvronides*
1984 170.

Lined Seedeater *Sporophila lineola*
1896 59; 1935 8; 1984 172.

Yellow-bellied Seedeater, Black-necked Seedeater, Gutteral Finch *Sporophila nigricollis*
1896 58; 1898 20. Request concerning 2000 139.

Double-collared Seedeater, Bluish Seedeater *Sporophila caerulescens*
1896 58; 1935 3-4. Bred 1978 116; 1981 59.

White-throated Seedeater, White-throated Finch *Sporophila albogularis*
1896 56; 1935 2-3. At liberty 1931 258-259. Bred 1978 116. Breeding 1905 358-
362. Early breeding report 1906 44-45.

White-bellied Seedeater *Sporophila leucoptera*
1896 56-57.

Parrot-billed Seedeater, Grosbeak Seedeater *Sporophila peruviana*
1932 263 (= this species?); 1967 69-76b/w*. Breeding 1968 48-50.

Drab Seedeater *Sporophila simplex*
1984 173.

Capped Seedeater, Reddish Seedeater *Sporophila bouvreuil*
1935 50-51. Longevity, eight years 1905 258. Nesting 1931 328 (Bred).

Ruddy-breasted Seedeater *Sporophila minuta*
1935 69-70; 1984 171-172.

Dark-throated Seedeater *Sporophila ruficollis*
1931 228; 1935 48-49.

Marsh Seedeater *Sporophila palustris*
1935 49-50.

Chestnut-breasted Seedeater *Sporophila castaneiventris*
1935 70-71.

Large-billed Seed Finch *Oryzoborus crassirostris*
1908 190.

Lesser Seed Finch, Tropical Seed Finch *Oryzoborus angolensis*
1908 149-151, 189-190. Breeding 1918 40-43.

Carrizal Blue Seedeater *Amaurospiza carizalensis*
2003 184.

Cuban Bullfinch *Melopyrrha nigra*
At London Zoo 1913 121; 1918 57b/w (Been bred); 1924 118. Hatched 1934 270.

Band-tailed Seedeater *Catamenia analis*
1924 152; 1984 198-199. Information needed 1989 47-48.

Plain-coloured Seedeater *Catamenia inornata*
1984 199.

Tiaris
Comparative behaviour 1959 131. Side glances 1908 163*.

Dull-coloured Grassquit, Dull-coloured Seedeater *Tiaris obscura*, *Sporophila obscura*
1984 169.

Cuban Finch, Cuban Grassquit *Tiaris canora*

1933 166-169. Bred 1901 29-30; 1933 38; 1936 267. Common in Australia 1971 104. Nesting 1895 11-12; 1896 99-101*; 1950 147. Notes 1986 82-84. Seed preference 1955 279.

Olive Finch, Yellow-faced Grassquit *Tiaris olivacea olivacea*
1908 163-176*; 1936 102. Bred 1931 229; 1936 268,269.

Little Finch *Tiaris olivacea pusilla*
1900 191-199,237,240 (Bred). Bred 1901 30 (?); 1940 162.

Black-faced Grassquit *Tiaris bicolor*
1930 125; 1936 103-104; 1976 151-159b/w; 1984 169-170. Breeding 1959 131-134. Breeding and behaviour 2003 174-179 (*Tiaris bicolor omissa*).

Lesser Antillean Bullfinch *Loxigilla noctis*
1930 124-125* (Wild). *1924 40.

Orangequit *Euneornis campestris*
Red-throated Blue Sugarbird (*Glossoptilda ruficollis*) 1916 188-189 (Hatched).

GALAPAGOS FINCHES
Breeding in California 1942 125b/w.

Large Ground Finch *Geospiza magnirostris*
At London Zoo 1948 40. Breeding results 1942 135.

Medium Ground Finch *Geospiza fortis*
In captivity 1942 126.

Small Ground Finch *Geospiza fuliginosa*
Breeding results 1942 135.

Cactus Ground Finch, Common Cactus Finch *Geospiza scandens*
Breeding results 1942 135.

Dickcissel *Spiza americana*
1984 206. "Been bred" 1927 130. Bred 1945 140-141.

Yellow Grosbeak *Pheucticus chrysopheplus*
1896 26-27 (= this species?); 1924 75. Breeding 1917 28-29.

Black-backed Grosbeak, Yellow-bellied Grosbeak *Pheucticus aureoventris*
1904 203 (= this species?); 1924 75-76; 1984 206.

Rose-breasted Grosbeak *Pheucticus ludovicianus*
1915 81-84*; 1924 73-74. Bred 1929 252-253; 1932 270. Bred to third generation 1951 21. Breeding reports 1932 149. Nesting 1911 333-337 (Bred); 1940 304-305.

Black-headed Grosbeak *Pheucticus melanocephalus*
1924 74-75 (Bred). Breeding 1983 137-145b/w. Nesting 1930 314-316 (Bred).

Virginian Cardinal, Northern Cardinal *Cardinalis cardinalis*

1896 165-170; 1924 95-96; 1959 26. Abnormal coloured 1924 323*; 1929 20.
Baldness 1895 79. Breeding 1899 2-5,5-7; 1902 11-12,34-35,232; 1904 53-54;
1956 71-73; 1996 59-62. Longevity, more than thirty years 1926 284-285. Nesting
1895 90-91. Song 1897 18.

HYBRIDS: Virginian Cardinal, Northern Cardinal *Cardinalis cardinalis* x Green
Cardinal, Yellow Cardinal *Gubernatrix cristata* 1927 105-107.

Vermilion Cardinal, Phoenix Cardinal *Cardinalis phoeniceus*

1906 291; 1984 204-205; 1924 96-97 (Nested).

Pyrrhuloxia *Cardinalis sinuatus*

1896 154. Imported 1927 113. Note 1924 97; 1927 131-132.

Saltator

1987 217b/w.

Greyish Saltator *Saltator coerulescens*

1984 202-203.

Green-winged Saltator, Allied Saltator *Saltator similis*

Nesting attempt 1926 344 (Laid).

Orinocan Saltator *Saltator orenocensis*

1984 204.

Golden-billed Saltator *Saltator aurantirostris*

1904 335-339*. Breeding 1921 161-162.

Black-throated Saltator *Saltator atricollis*

Bred 1934 30.

Streaked Saltator *Saltator albicollis*

1977 208-209; 1984 203-204.

Blue-black Grosbeak *Cyanocompsa cyanooides*

1896 27; 1924 94-95; 1984 205-206. Bred 1958 100. Nesting 1910 64-65,255.

Blue Bunting *Cyanocompsa parellina*, *Passerina parellina*

Imported 1897 122.

Blue Grosbeak *Guiraca caerulea*

1924 94; 1984 206.

Passerina

1915 380. Indigo Bunting *Passerina cyanea* x Painted Bunting, Nonpareil
Bunting *Passerina ciris* 1935 265.

Lazuli Bunting *Passerina amoena*

1924 155. Bred 1955 263; 1956 38; 1974 35. Nesting 1937 269-270 (Hatched).
*1924 46.

Indigo Bunting *Passerina cyanea*

Breeding 1900 270-275; 1924 156-157. *1924 46.

Varied Bunting *Passerina versicolor*

1924 154-155. Hatched 1975 67. *1924 46.

Painted Bunting, Nonpareil Bunting *Passerina ciris*

1912 325-329*; 1924 153; 1994 123-126. Colour-feeding 1938 63. Hatched 1931
291. Nesting 1899 165-167 (Bred). Notes 1901 173-174 (Hatched). Pet 1913 245-
248. Population and trade 2002 90,140. *1924 46.

Rose-bellied Bunting, Rosita's Bunting *Passerina rositae*

1964 180; 1965 170.

Rainbow Bunting, Orange-breasted Bunting *Passerina leclancherii*

1909 220-221; 1924 154. Bred 1982 125. Hardiness 1914 229. Laid 1937 276.
*1923 13.
HYBRIDS: with canary 1952 37.

TROUPIALS AND BLACKBIRDS

1923 91b/w. Breeding records 1932 320; 1938 279. Notes on American starlings
1906 168.

HYBRIDS: Brown-headed Troupial, Brown-headed Cowbird *Molothrus ater* x
Bay-winged Cowbird *Molothrus badius* 1928 191.

Wagler's Oropendola, Chestnut-headed Oropendola *Psarocolius wagleri*

Bred 1995 174.

Montezuma Oropendola *Gymnostinops montezuma*, *Psarocolius montezuma*

Bred 2001 142.

Moriche Oriole *Icterus chryscephalus*

1931 144-146.

Yellow-backed Oriole *Icterus chrysater giraudii*

1909 196. Bred 1944 149.

Yellow Oriole *Icterus nigrogularis*

1977 210.

Spotted-breasted Oriole *Icterus pectoralis*

1956 84 (Wild).

Lichtenstein's Oriole, Altamira Oriole *Icterus gularis*

Hatched 1963 206.

Troupial, Hangnest *Icterus icterus*

1902 293-295; 1903 171-172; 1907 225-230*; 1912 156-157; 1977 209-210.
Eating mouse 1913 39. In Memory of "George" 1910 68-72. Longevity, twenty-
seven years 1962 212. Tame 1943 103-104.

Baltimore Oriole, Northern Oriole *Icterus galbula galbula*
1959 145-146*. Bred 1973 18.

Bullock's Oriole *Icterus galbula bullocki*
1917 91; 1930 281-282*.

Black-vented Oriole, Wagler's Oriole *Icterus wagleri*
1917 92.

Montserrat Oriole *Icterus oberi*
Captive establishment and breeding 2003 116-124*.

Red-winged Blackbird *Agelaius phoeniceus*
Bred 1913 313; 1938 279; 1957 208. Care and feeding of young 1978 191-195.
Two females with young in same aviary 1961 141.

Yellow-hooded Blackbird, Yellow-headed Marsh Bird *Agelaius icterocephalus*
Fledged 1955 328; 1956 9-10.

Tawny-shouldered Blackbird *Agelaius humeralis*
1900 246-249. Bred 1938 279.

Red-breasted Blackbird *Leistes militaris, Sturnella militaris*
1908 151-155; 1912 164.

Scarlet-headed Blackbird, Red-headed Troupial *Amblyramphus holosericeus*
1906 177.

Chopi Blackbird *Gnorimopsar chopi*
Exhibited 1906 174.

Cuban Blackbird *Dives atrovioleacea*
1917 92.

Common Grackle, Purple Grackle *Quiscalus quiscula*
Bred 1938 280.

Brewer's Blackbird *Euphagus cyanocephalus*
Breeding 1972 153-154b/w.

Silky Cowbird, Shiny Cowbird *Molothrus bonariensis*
1903 172; 1905 137-141.

Brown-headed Cowbird *Molothrus ater*
Bred 1938 280.

Giant Cowbird *Scaphidura oryzivora*
1898 100,120; 1908 182-183; 1923 65-68.