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# SPECIES INDEX

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**Razor-billed Curassow** *Mitu tuberosa*  
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**Northern Helmeted Curassow** *Pauxi pauxi*  
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**Sand Partridge, Hey's Partridge** *Ammoperdix heyi*  
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**Himalayan Snowcock** *Tetraogallus himalayensis*

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**Rock Partridge** *Alectoris graeca*

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**Barbary Partridge** *Alectoris barbara*

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**Red-legged Partridge** *Alectoris rufa*

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**Crested Francolin, Spotted Francolin** *Francolinus sephaena*, *Francolinus sephanena*

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**Clapperton's Francolin, Sharpe's Francolin** *Francolinus clappertoni*

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**Red-billed Francolin** *Francolinus adspersus*

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**Hildebrandt's Francolin** *Francolinus hildebrandti*

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**Natal Francolin** *Francolinus natalensis*

Breeding 1964 146-147.

**Ahanta Francolin** *Francolinus ahantensis*

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**Yellow-necked Francolin, Yellow Spurfowl** *Francolinus leucoscepus*

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**Red-necked Francolin, Red-necked Spurfowl, Bare-throated Francolin**

*Francolinus afer*

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**Erckel's Francolin** *Francolinus erckelii*

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**Grey Partridge** *Perdix perdix*

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**Daurian Partridge, Bearded Partridge** *Perdix daurica*

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**Chinese Bamboo Partridge** *Bambusicola thoracica*

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**Painted Spurfowl** *Galloperdix lunulata*  
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**Blood Pheasant** *Ithaginis cruentus*  
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**Koklass Pheasant** *Purcrasia macrolopha*  
Bred 1937 126; 1940 189; 1960 251; 1963 7b/w; 1979 191.

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**Himalayan Monal** *Lophophorus impejanus*, *Lophophorus impeyanus*  
1912 150-151; 1918 299-300. Bred 1931 99; 1940 191. Bred at Knowsley 1947  
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**Slater's Monal** *Lophophorus sclateri*  
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*lathami* 1933 133.

**White-crested Kalij** *Lophura leucomelana hamiltoni*  
Breeding Record 1933 133.

**Black-breasted Kalij, Horsfield's Kalij, Horsfield's Pheasant** *Lophura*  
*leucomelana lathami*  
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**Silver Pheasant** *Lophura nycthemera*  
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**Edwards' Pheasant** *Lophura edwardsi*

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**Vietnamese Pheasant** *Lophura hatinhensis*

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**Swinhoe's Pheasant** *Lophura swinhoei*

1961 1-2\*; 1968 77-80\*.

**Crestless Fireback, Malay Crestless Fireback** *Lophura erythrophthalma*

Bred 1936 123; 1999 81b/w.

**Bornean Crested Fireback** *Lophura ignita ignita*

Notes on chicks hatched 1932 218-219.

**Viellot's Crested Fireback** *Lophura ignita rufa*

1956 199-200\*. Bred 1953 174. \*1994 90.

**Siamese Fireback** *Lophura diardi*

Breeding record 1933 133. Note 1940 187. \*1930 170.

**Bulwer's Pheasant, Bulwer's Wattled Pheasant** *Lophura bulweri*

Call 2001 43. Captive status 1985 107-108. Display 1930 213; 1938 177-180\*;  
1940 68-69; 1944 61-62. Imported 1929 326. Research 2000 46. Twenty-five  
infertile eggs 2001 141.

**EARED-PHEASANTS**

1933 220-225b/w; 1947 128-131. Sexing Eared-Pheasants 1976 39b/w.

HYBRIDS: Blue Eared-Pheasant *Crossoptilon auritum* x: Brown Eared-Pheasant  
*Crossoptilon mantchuricum* 1932 7; White Eared-Pheasant *Crossoptilon*  
*crossoptilon* 1950 65. White Eared-Pheasant *Crossoptilon crossoptilon* x Brown  
Eared-Pheasant *Crossoptilon mantchuricum* 1947 131.

**White Eared-Pheasant** *Crossoptilon crossoptilon*

Bred 1942 44; 1970 251. Captive status 1985 106. Notes 1937 125; 1942 146-147;  
1950 102; 1960 131b/w; 1974 137. Status in wild 1937 41.

**Brown Eared-Pheasant** *Crossoptilon mantchuricum*

Captive status 1985 106-107.

**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 wallichi*

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.

## **DUCKS, GEESE AND SWANS**

### *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  
 waterfowl and aviculture 1939 90,276. Rearing exotic ducklings 1985 184.  
 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  
 pinioning waterfowl 1982 84. Waterfowl after War 1945 85. Waterfowl and  
 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*

Behaviour 1939 170,201,202 (Bred). Bred 1939 159-161. Note 1941 137.

**Paradise Shelduck, New Zealand Shelduck** *Tadorna variegata*

1911 157-158b/w; 1934 233-235; 1942 88. Bred 1968 70. Eclipse plumage of female 1910 61. Notes 1932 206; 1941 136b/w.

**Crested Shelduck** *Tadorna cristata*

Sighted 1984 178.

**Common Shelduck, Shelduck** *Tadorna tadorna*

1902 251-255; 1914 161-162b/w. Breeding 1902 255-256. Free-winged 1973 72. Friendly ducklings 1933 398. Note 1962 178.

**Radjah Shelduck** *Tadorna radjah*

Bred 1946 195. Early breeding record 1947 190. Homosexual pairings 1972 24. Longevity, twenty-five years 1972 24. Note 1932 206.

**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*  
Bred 1975 114; 1989 105; 1995 43b/w; 1934 102. Breeding 1984 71-73b/w.  
Imported 1930 194. B/w 1934 102.

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About ducks 1941 147. Diving ducks 1928 125b/w. Ducks 1928 1b/w\*. Ducks  
and delinquency 1946 198. Endurances of young ducks 1913 201. Hand-rearing  
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167. Of New Zealand 1940 142; 1942 86. On keeping oil polluted ducks in  
captivity 1941 24. Our breeding ducks 1896 160. Perching ducks 1943 60. Points  
in the rearing of ducks 1940 158. Rare ducks in St. Jame's Park 1931 177. Rearing  
of young ducks 1913 305b/w. Shovelers 1940 137. Smaller waterfowl 1912 289.  
Surface-feeding ducks 1928 62\*. Teal 1907 315\*. Teal and Shovelers 1928  
86b/w\*. Wild ducks from incubator 1914 64,99,146.

HYBRIDS: 1935 78. Bahama Pintail, White-cheeked Pintail *Anas bahamensis* x  
Chilean Teal *Anas flavirostris* 1932 158. Brazilian Teal *Amazonetta brasiliensis*  
x Carolina Duck, Wood Duck *Aix sponsa* 1962 165. Cape Teal *Anas capensis* x  
Chestnut Teal, Chestnut-breasted Teal *Anas castanea* 1979 164. Chestnut Teal,  
Chestnut-breasted Teal *Anas castanea* x Falcated Teal *Anas falcata* 931 209.  
Chilean Teal *Anas flavirostris* x: (Bahama Pintail, White-cheeked Pintail *Anas*  
*bahamensis* x Red-billed Pintail, Red-billed Duck *Anas erythrorhynca*) 1961 141;  
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*  
*clypeata* 1932 48. Common Goldeneye *Bucephala clangula* x Smew *Mergellus*  
*albellus*, *Mergus albellus* 1924 143. Hottentot Teal *Anas punctata* x Carolina  
Duck, Wood Duck *Aix sponsa* 1936 229. Mallard *Anas platyrhynchos* x Indian  
Spotbill, Indian Spot-billed Duck, Spotbill Duck *Anas poecilorhyncha*  
*poecilorhyncha* 1948 195. Philippine Duck *Anas luzonica* x Australian Black  
Duck *Anas superciliosa* 1933 103. Red-billed Pintail, Red-billed Duck *Anas*  
*erythrorhynca* x Cape Teal *Anas capensis* 1968 104. Red-crested Pochard *Netta*  
*rufina* x Australian Black Duck *Anas superciliosa* 1933 103. Rosybill, Rosy-  
billed Pochard *Netta peposaca* x Mallard *Anas platyrhynchos* 1932 158.

**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.  
Disposition 1955 114-117. First importation 1935 162. Free-winged 1973 71.  
\*1945 85.  
HYBRIDS: 1899 73; 1955 30.

**Mandarin Duck** *Aix galericulata*

1929 152-153. At liberty 1912 122; 1931 58; 1959 93; 1966 141; 1973 70-71.  
Behaviour 1953 80-88b/w. Disposition 1955 114-117. Free-flying in Scotland  
1961 193. In UK 2002 52-58. In-breeding 1982 145-148. Introduced 1987 229-  
230. Released (Some released in London shot in Hungary) 1931 187-188. Self-  
reared 1961 60-61. Wild status 1987 175. \*1928 1; \*1945 85; \*1946 167.  
HYBRIDS: 1899 73; 1922 40; 1960 5-8; 1969 34-35.

**Maned Goose, Maned Duck** *Chenonetta jubata*

1917 157-159b/w; 1917 210-211 (Bred); 1932 204b/w. Breeding 1956 158-159;  
1958 175-176. Free-winged 1973 71.

**Brazilian Teal** *Amazonetta brasiliensis*

Fidelity of 1932 168.

**Torrent Duck** *Merganetta armata*

1939 262-263 (Peruvian Torrent Duck *Merganetta armata leucogenis*). Incident  
concerning 1953 134 (Peruvian Torrent Duck *Merganetta armata leucogenis*).  
Raised from wild eggs 1971 38.

**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*

Behaviour 1953 24-26b/w. \*1928 62.

**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*

Behaviour 1951 164-182b/w. Breeding whites from sports 1928 166-168,200-201.

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*

1952 21-22b/w; 1953 11-12 (Bred). Hatched 1957 197.

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

1934 235-236; 1940 150-151b/w; 1943 120. Bred 1960 69.

**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*

Breeding record 1934 321. Note 1940 137.

**Australian Shoveler** *Anas rhynchos rhynchos*

Note 1940 138.

**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*

Behaviour 1952 175-179b/w. Winter brood 1923 62.

**Sharp-winged Teal** *Anas flavirostris oxyptera*  
1936 260.

**Northern Pintail** *Anas acuta acuta*  
Behaviour 1952 10-17b/w.

**Kerguelen Pintail** *Anas eatoni eatoni*  
First European import 1951 155-156.

**Chilean Pintail, Yellow-billed Pintail** *Anas georgica spinicauda*  
1939 260. Behaviour 1951 61-63b/w. Free-winged 1973 71.

**Garganey** *Anas querquedula*  
Behaviour 1952 68-72b/w.

**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*  
1939 261.

**Hottentot Teal** *Anas hottentota, Anas punctata*  
1941 142; 1946 194. Bred 1938 105.

**Pink-eared Duck** *Malacorhynchus membranaceus*  
1965 151b/w; 1980 45. Bred 1981 115-116. Rearing 1980 82-83b/w.

**Marbled Teal** *Marmaronetta angustirostris*  
1951 183-184b/w.

**Pink-headed Duck** *Rhodonessa caryophyllacea*  
1998 41-42. Arrival 1925 299-300; 1926 325\*. At Calcutta Zoo 1924 31. Generic name 1976 162. In wild and captivity 1974 47-52. Longevity, lived over ten years 1941 141. Notes 1901 132-133; 1947 211; 1968 153. One kept at Berlin Zoo 1977 176-177. "Still common in areas" 1924 30. \*1932 117.

HYBRIDS: Baer's Pochard *Aythya baeri* x Redhead *Aythya americana* 1932 158.  
Greater Scaup *Aythya marila* x: Lesser Scaup *Aythya affinis* 1925 149;  
Canvasback *Aythya valisineria* 1932 48. Red-crested Pochard *Netta rufina* x  
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.

## SEA DUCKS

Rearing young Arctic ducks 1942 64. Sea ducks reared from imported eggs 1940 251. Some European 1941 123. Thoughts upon sea ducks in captivity 1944 87b/w.

**Common Eider, Eider Duck** *Somateria mollissima*  
Bred 1898 198. Experiences with 1958 169-173. Free-winged 1973 71. In captivity 1899 115-116; 1946 173-180b/w. Rearing from imported eggs 1961 203.

**King Eider** *Somateria spectabilis*  
1956 58. Breeding at Slimbridge 1961 195-197b/w. Longevity 1978 232.

**Steller's Eider** *Polysticta stelleri*  
Threat to wild population 1995 89.



**Harlequin Duck** *Histrionicus histrionicus*  
1909 55; 1941 125-128.

**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*  
1911 62-63b/w.

**Velvet Scoter** *Melanitta fusca fusca*  
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*  
Notes on rearing 1971 58-65b/w.

## SAWBILLS

Experiences with keeping 1966 48b/w.

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

**Smew** *Mergellus albellus, Mergus albellus*  
1905 120-124. Bred 1957 196-197. Breeding habits in captivity 1939 96-99. Eggs 1905 170. Note 1966 48-50b/w.

**Hooded Merganser** *Lophodytes cucullatus, Mergus cucullatus*  
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*  
Numbers reduced 1996 42.

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

**Auckland Islands Merganser** *Mergus australis*  
1940 49.

## BUTTONQUAILS

### *Turnicidae*

1930 16. Three species new to South Australian aviculture 1956 148.

**Small Buttonquail, Kurrichane Buttonquail, Little Buttonquail** *Turnix sylvatica lepurana*

1908 307-308; 1923 184. Behaviour notes 1907 219-227b/w (*Turnix sylvatica dussumier*). Breeding 1927 264-266. Breeding biology and behaviour 1973 55-59. Breeding in German bird-rooms 1905 217-222. Prolific breeding group 1974 114.

**Red-backed Buttonquail** *Turnix maculosa*

1956 149. Bred 1957 110.

**Yellow-legged Buttonquail** *Turnix tanki*

Breeding 1903 317-324\*.

**Barred Buttonquail, Bustard Quail** *Turnix suscitator*

1945 58-60 (Bred). Behaviour 1970 219-227b/w. Breeding a Hemipode 1967 184-188; 1968 70.

**Madagascar Buttonquail** *Turnix nigricollis*

Bred 1913 54-55. Breeding in German bird-rooms 1905 195-203 (Correction 234).

**Black-breasted Buttonquail** *Turnix melanogaster*

1956 149. Bred 1957 110.

**Painted Buttonquail** *Turnix varia*

Breeding 1905 295-301b/w. Hand-rearing 1907 303-305b/w.

**Red-chested Buttonquail** *Turnix pyrrhothorax*

1956 148-149. Bred 1957 140.

**Little Buttonquail** *Turnix velox*

Breeding 1938 78-79. Keeping and breeding 1984 219-220.

## HONEYGUIDES

### *Indicatoridae*

1957 170. Death-lure of 1927 150. Nesting habits 1927 247,283.

**Spotted Honeyguide** *Indicator maculatus*

1957 170.

**Greater Honeyguide** *Indicator indicator*

A tame honeyguide 1927 152-155 (Possible immature of this species).

## WRYNECKS AND WOODPECKERS

## *Picidae*

Drumming 1981 183. In captivity 1954 166b/w. Interspecific actions of sexual signals among hand-raised woodpeckers 1974 104. Recent imports 1991 88. Some North American woodpeckers 1919 48. UK First Breeding Records 1996 84. Woodpeckers 1925 192\*. Woodpeckers in the Padstow area 1980 182. Wrynecks 1925 197.

### **Eurasian Wryneck** *Jynx torquilla*

1895 83-84; 1911 39; 1925 197-199,228-231.

### **White Woodpecker** *Melanerpes candidus*

Breeding 1937 244-246. Co-operative breeding 1990 73b/w. Hatched 1937 235.

### **Acorn Woodpecker, Californian Woodpecker** *Melanerpes formicivorus*

Breeding 1946 201-203; 1966 78,174; 1979 68-70.

### **Black-cheeked Woodpecker** *Melanerpes pucherani*

Bred 1992 141. Breeding notes 1997 60-61. Killed by Stella's Lorikeet *Charmosyna papou stellae* 2001 99.

### **Yellow-fronted Woodpecker** *Melanerpes flavifrons*

Breeding 1961 182-184; 1991 154. Longevity, fifteen years 1932 168. Second generation 1996 140. Taking nectar mixture 1954 166-167.

### **Jamaican Woodpecker** *Melanerpes radiolatus*

1936 102 (Wild).

### **Red-crowned Woodpecker, Wagler's Woodpecker** *Melanerpes rubricapillus*, *Centurus rubricapillus*

1920 168-169b/w (= this species?).

### **Red-bellied Woodpecker, Black-browed Woodpecker** *Melanerpes superciliaris*

Interesting woodpecker from Cuba 1965 1-2b/w. Note 1954 245.

### **Lesser Spotted Woodpecker** *Dendrocopos minor*

Breeding 1977 125-126. Rearing by hand 1911 184-188.

### **Fulvous-breasted Woodpecker, Mace's Woodpecker, Streak-bellied Woodpecker** *Dendrocopos macei*

At London Zoo 1903 183. Bred 1992 38. Breeding 1996 18-20.

### **Great Spotted Woodpecker** *Dendrocopos major*

1914 265-267b/w (Hand-reared). Notes on hand-rearing 1979 121-124b/w. Released birds breeding 1980 182.

### **Downy Woodpecker** *Picoides pubescens*

1964 28-29.

### **Red-cockaded Woodpecker** *Picoides borealis*

Protected 1993 215.

**Black-backed Woodpecker** *Picoides arcticus*  
1966 69-70\*.

**Helmeted Woodpecker** *Dryocopus galeatus*  
Sighted 1988 108.

**Black Woodpecker** *Dryocopus martius*  
Captive observations, its perception of food through layers of wood 1955 168-172.

**Pale-billed Woodpecker** *Campephilus guatemalensis*  
Keeping 1957 149-151.

**Ivory-billed Woodpecker** *Campephilus principalis*  
1979 75-84. Sightings reported 1968 70; 1974 75.

**Greater Yellow-nape, Greater Yellow-naped Woodpecker** *Picus flavinucha*  
1919 205-206; 1920 135; 1924 281-283\*. Longevity, twenty-six years in captivity  
1941 30.

**Eurasian Green Woodpecker** *Picus viridis*  
Destruction of bees 1924 172-173. Party of woodpeckers 1923 237-238.

**Common Flameback, Golden-backed Woodpecker** *Dinopium javanense*  
\*1925 192.

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1925 222. At Clères 1921 68. Breeding in Germany 1998 148. Care of 1931 111;  
1939 206,251. Notes 1950 135. Rare barbets imported 1920 166. Recent imports  
1991 88. UK First Breeding Records 1996 83.

## ASIAN BARBETS

### *Megalaimidae*

**Fire-tufted Barbet** *Psilopogon pyrolophus*  
Breeding 1984 193-195b/w. Breeding note 1995 173. Imported 1929 10; 1929  
175\*; 1939 253-254.

**Golden-whiskered Barbet** *Megalaima chrysopogon*  
1939 252-253.

**Red-throated Barbet, Gaudy Barbet** *Megalaima mystacophanos*  
Bred 1998 150.

**Black-banded Barbet, Great-billed Barbet** *Megalaima javensis*  
1939 251-252.

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

Imported 1930 398; 1939 211-212.

**Golden-throated Barbet** *Megalaima franklinii*  
1905 323-330b/w\*.

**Blue-throated Barbet** *Megalaima asiatica*  
1939 212-214; 1961 115-118\*. Bred 1998 150. Exhibited 1899 19,40. \*1925 200.

**Coppersmith Barbet** *Megalaima haemacephala*  
1939 210-211.

## **AFRICAN BARBETS**

### *Lybiidae*

Recent imports 1991 88. Rhodesian barbets 1958 30.

**Naked-faced Barbet** *Gymnobucco calvus*  
Bred 1998 149.

**Sladen's Barbet** *Gymnobucco sladeni*  
1999 11b/w.

**Grey-throated Barbet** *Gymnobucco bonapartei*  
1999 11.

**White-eared Barbet** *Stactolaema leucotis*  
1975 197-199b/w; 1976 114-115.

**Speckled Tinkerbird** *Pogoniulus scolopaceus*  
Bred 1998 149.

**Yellow-fronted Tinkerbird** *Pogoniulus chrysoconus*  
Breeding 1996 36-38.

**Red-fronted Tinkerbird** *Pogoniulus pusillus*  
Imported 1930 185. Wild 1958 30.

**Red-fronted Barbet** *Tricholaema diademata*, *Lybius diadematum*  
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*  
Breeding 1977 1-3b/w.

**Black-throated Barbet** *Tricholaema melanocephala*  
Breeding 1970 145.

**Vieillot's Barbet** *Lybius vieilloti*  
1916 312.

**White-headed Barbet** *Lybius leucocephalus*  
Bred 1981 114.

**Red-faced Barbet** *Lybius rubrifacies*  
1928 283\*; 1931 110.

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

**Brown-breasted Barbet, Brown-fronted Barbet** *Lybius melanopterus*  
Bred 1998 149.

**Double-toothed Barbet** *Lybius bidentatus*  
Bred 1972 68,107; 1974 118; 2003 142. Breeding 1976 191-193b/w.

**Bearded Barbet** *Lybius dubius*  
1943 22-23; 1954 6b/w. Bred 1998 149; 2002 91. Breeding 1999 49-53b/w; 2003 154-162b/w.

**Crested Barbet, Levillant's Barbet** *Trachyphonus vaillantii*  
1909 337-338\*; 1939 257-258 (Eggs). Bred 1938 285; 1980 N/L. Breeding 1987 168-170. Imported 1920 166. "Reared each year" 1956 162. Wild 1958 31.

**Yellow-breasted Barbet, Abyssinian Barbet** *Trachyphonus margaritatus*  
1939 255-257. Bred 1927 226.

**Red and Yellow Barbet** *Trachyphonus erythrocephalus*  
Bred 2001 142. Breeding 1973 194-196b/w; 1980 128-130; 2001 49-52.

**D'Arnaud's Barbet** *Trachyphonus darnaudii*  
Bred 2001 91 (*Trachyphonus darnaudii boehmi*). Breeding 1972 52-53.

## **NEW WORLD BARBETS, TOUCANS** *Ramphastidae*

**Scarlet-crowned Barbet, Plaintive Barbet** *Capito aurovirens*  
1950 51\*,135-136.

**Black-spotted Barbet** *Capito niger*  
Bred 1998 148. Breeding 1971 194-195. Note 1970 246.

**Scarlet-headed Barbet** *Capito wallacei*  
Habitat saved 2001 140-141.

**Red-headed Barbet** *Eubucco bourcierii*

Bred 1973 141; 1998 148. Breeding 1975 121-130b/w\*. Note 1970 245.

**Toucan Barbet** *Semnornis ramphastinus*  
1939 205\*. Breeding 1972 197-198; 1996 6-7.

## TOUCANS

1899 85; 1902 299; 1925 218. At London Zoo 1992 148. Breeding records for Germany 1998 150. Low iron in diets 1999 130. My pet toucan 1918 122. Recent imports 1991 88. Seventeenth-century toucans 1950 143. UK First Breeding Records 1999 84.

**Crimson-rumped Toucanet** *Aulacorhynchus haematopygus*  
1930 317-318b/w. Bred 1970 250. Breeding 1982 193-198b/w; 1988 183-189b/w.

**Groove-billed Toucanet** *Aulacorhynchus sulcatus*  
Exhibited 1924 64.

**Green Aracari** *Pteroglossus viridis*  
Bred 2003 144. Breeding 1991 29-32b/w.

**Chestnut-eared Aracari** *Pteroglossus castanotis*  
Longevity, sixteen years 1972 212.

**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*

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

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

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*Psittaculirostris desmarestii*

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**Edwards's Fig-Parrot** *Psittaculirostris edwardsii*

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**Blue-crowned Racquet-tail, Philippine Racket-tailed Parrot** *Prioniturus discurus*  
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**Black-lored Parrot** *Tanygnathus gramineus*  
Sighted 1996 143.

**Eclectus Parrot** *Eclectus roratus spp*  
1927 10-11. Abnormal coloured 1954 150. At Taronga Zoo 1944 123. Bred 1972  
107; 1976 16-18,122-123; 1980 229-231. Bred in Assam 1938 268. Breeding 1913  
49-50. Breeding in Ambon 1938 268. Breeding notes 1956 116-117. Breeding  
record (?) 1930 82. Breeding results 1938 303. Breeding the Ceram 1969 2-3.

Notes with account of hybrid 1944 35. Some breeders of 1969 145-146. Sexual ratio in young 1979 106. Twin embryos 1979 106.

**Vosmaer's Eclectus, Vosmaeri Eclectus Parrot, Halmahera Eclectus Parrot**

*Eclectus roratus vosmaeri*

Bred 1978 90-91. Hand-rearing 1989 74-81b/w.

**Cornelia's Eclectus Parrot** *Eclectus roratus cornelia*

Bred 2001 142.

**Reidel's Eclectus Parrot** *Eclectus roratus reideli*

Bred 2001 142.

**Red-sided Eclectus Parrot** *Eclectus roratus polychloris*

1949 46-47. Bred 1965 157. Breeding 1938 223-237; 1953 66-67; 1955 127-128. Observations on 1939 288-289 (Bred).

**Pesquet's Parrot** *Psittichas fulgidus*

1920 201-202; 1924 190-192b/w; 1936 175-176\*. At Berlin Zoo 1974 30. Bred 1984 178; 1998 139,162; 2002 91. Breeding 1992 163-172b/w. Five bred 2001 92. Historical notes 1920 65; 1923 229-230; 1970 78b/w. My Pesquet's Parrot (Maxwell) 1952 232. Notes 1921 153; 1922 38; 1927 224. Origin of name 1970 133-134,164. Some observations 1976 160-163 (Reared to eighty-seven days). Successful parent-rearing 1998 14-16. Who was Pesquet? 2003 142. Wild in Australia (?) 1949 48.

*Prosopieia*

1912 55; 1927 49; 1961 87.

HYBRIDS: 1944 22.

**Masked Shining-Parrot** *Prosopieia personata*

1900 245-246; 1912 56; 1935 94-97. "Georgie" 1920 119-120. Notes 1908 261; 1928 35-36.

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

1917 149; 1935 97-104 (Captive and wild).

**Vanua Levu Shining-Parrot** *Prosopieia tabuensis atrogularis*

1935 126-131 (Captive and wild).

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

1917 149; 1973 146 (Reared to thirty-seven days).

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third broods 1953 72,114,150. Rings for 1904 83. Sexing 1914 42,59,87,119. Smuggling 1975 116. Then and now 1947 60b/w. Trade in 1976 117,223,224. “Wing-stripe” as sex and maturity indicator 1941 174b/w.

HYBRIDS: Australian King Parrot, King Parakeet *Alisterus scapularis* x Red-winged Parrot, Crimson-winged Parakeet *Aprosmictus erythropterus* 1949 29. Crimson Rosella, Pennant’s Parakeet *Platycercus elegans* x Port Lincoln Ringneck, Australian Ring-neck, Port Lincoln Parakeet *Platycercus zonarius zonarius*, *Barnardius zonarius zonarius* 1966 28. Golden-mantled Rosella *Platycercus eximius ceciliae* x Cockatiel *Nymphicus hollandicus* 1897 66. Green Rosella *Platycercus caledonicus* x Red-capped Parrot, Pileated Parakeet *Purpuricephalus spurius* 1967 82. Mallee Ringneck, Australian Ring-neck, Mallee Ringneck Parakeet, Barnard’s Parakeet *Platycercus barnardi*, *Barnardius barnardi* x Red-rumped Parrot, Red-rumped Parakeet *Psephotus haematonotus* 1933 397. Pale-headed Rosella, Mealy Rosella *Platycercus adscitus* x Mallee Ringneck, Australian Ring-neck, Mallee Ringneck Parakeet, Barnard’s Parakeet *Platycercus barnardi*, *Barnardius barnardi* 1933 50. Port Lincoln Ringneck, Australian Ring-neck, Port Lincoln Parakeet *Platycercus zonarius*, *Barnardius zonarius zonarius* x Pale-headed Rosella, Mealy Rosella *Platycercus adscitus* 1933 51. Princess of Wales’ Parakeet, Alexandra’s Parrot *Polytelis alexandrae* x Crimson-winged Parakeet, Red-winged Parrot *Aprosmictus erythropterus* 1932 27. Red-capped Parrot, Pileated Parakeet *Purpuricephalus spurius* x: Pale-headed Rosella, Mealy Rosella *Platycercus adscitus* 1949 33; Crimson Rosella, Pennant’s Parakeet, Pennant’s Rosella *Platycercus elegans* 1958 64. Red-rumped Parrot, Red-rumped Parakeet *Psephotus haematonotus* x: Pale-headed Rosella, Mealy Rosella *Platycercus adscitus* 1933 51; Western Rosella, Stanley Rosella *Platycercus icterotis* 1944 26. Red-winged Parrot, Crimson-winged Parakeet *Aprosmictus erythropterus* x Sula Island King Parrot *Alisterus amboinensis sulaensis* 1927 259. Sula Island King Parrot *Alisterus amboinensis sulaensis* x Red-winged Parrot, Crimson-winged Parakeet *Aprosmictus erythropterus* 1932 26. Superb Parrot, Barraband Parakeet *Polytelis swainsonii* x: Golden-mantled Rosella *Platycercus eximius ceciliae* 1933 51; Red-winged Parrot, Crimson-winged Parakeet *Aprosmictus erythropterus* 1939 398. Western Rosella, Stanley Rosella *Platycercus icterotis* x: Red-capped Parrot, Pileated Parrot *Purpuricephalus spurius* 1933 51; Red-rumped Parrot, Red-rumped Parakeet *Psephotus haematonotus* 1946 10. Yellow Rosella *Platycercus flaveolus* x Red-rumped Parakeet, Red-rumped Parrot *Psephotus haematonotus* 1949 32.

### *Alisterus*

1927 48; 1961 84.

### **Australian King-Parakeet, Australian King Parrot** *Alisterus scapularis*

1927 47-48; 1949 54-56. At liberty 1922 68-70. Bred 1897 98. Breeding 1906 27-30; 1921 163-166; 1939 56-57; 1969 115-116. Breeding in immature plumage 1946 166. Experiences with 1913 292-300. Flight of 1924 85. Hand-rearing 1935 258-260. Mimicry 1927 115. Sexing young 1932 295. Status in Dutch aviculture 1960 108.

### **Amboina King-Parakeet, Amboina King Parrot** *Alisterus amboinensis amboinensis*

1973 102. Breeding 1976 182-185. Second generation 1981 182.

HYBRIDS: Salawati Island King Parrot *Alisterus amboinensis dorsalis* x Amboina King-Parakeet, Amboina King Parrot *Alisterus amboinensis amboinensis* “died when ready to leave nest” 1933 380.

**Sula Island King-Parakeet, Sula Island King Parrot** *Alisterus amboinensis sulaensis*

Longevity 1935 228; 1955 108.  
HYBRIDS: 1927 259; 1932 26.

**Green-winged King-Parakeet, Papuan King Parrot, Green-winged King Parrot** *Alisterus chloropterus*

1956 163-165\*; 1989 24-25. Bred 1956 160,161. Breeding 1945 130.

**Moszkowski’s King Parrot** *Alisterus chloropterus moszkowskii*

1992 1-8b/w. Bred 1998 94.

*Aprosmictus*

1906 155; 1961 83.

HYBRIDS: Crimson-winged Parakeet, Red-winged Parrot *Aprosmictus erythropterus* x Timor Crimson-winged Parakeet, Olive-shouldered Parrot *Aprosmictus jonquillaceus* 1946 16.

**Timor Crimson-winged Parakeet, Olive-shouldered Parrot** *Aprosmictus jonquillaceus*

Notes 1950 100; 1966 26.

**Crimson-winged Parakeet, Red-winged Parrot** *Aprosmictus erythropterus*

1927 48; 1949 56-58. A sick 1901 125. An intelligent 1927 344,345. Bred 1932 29; 1934 258; 1939 186. Breeding 1957 63-64. Breeding records 1897 98. Hatched 1905 318. Nesting of 1899 193 (Hatched); 1902 34 (Bred). Plumage of young 1969 116.

*Polytelis*

1927 43. Breeding records and hybrids 1938 337.

HYBRIDS: Barraband Parakeet, Superb Parrot *Polytelis swainsonii* x Princess of Wales’ Parakeet, Alexandra’s Parrot *Polytelis alexandrae* 1924 235\*; Rock Pebbler Parakeet, Regent Parrot *Polytelis anthopeplus* 1949 33.

**Barraband Parakeet, Superb Parakeet** *Polytelis swainsonii*

1895 101-102; 1919 69-73; 1927 43-45; 1928 206-208\*; 1949 48-50. Breeding 1900 217-220; 1957 98-100; 1958 130-131. Intelligence 1925 290-291. Long flight of 1928 78-79. Status in Dutch aviculture 1960 107-108. Treatment 1897 209-210. Young reared by fosters 1940 300.

**Rock-Pebbler Parakeet, Regent Parrot** *Polytelis anthopeplus*

1912 265-266\*; 1925 142-143; 1927 45-46; 1928 208-209\*; 1949 50-52; 1950 196-198. At liberty 1927 316-317. Bred 1931 236. Breeding 1904 66-68. Breeding records 1933 46; 1949 147. Flight of 1922 25-26. Hand-rearing 1927 235-238b/w; 1928 164. Sexing juveniles 1959 26.



**Princess of Wales' Parakeet, Alexandra's Parrot** *Polytelis alexandrae*

1899 168-169\*; 1905 248-249; 1907 46b/w; 1927 46-47; 1928 207-208; 1935 119-120\*; 1937 310-311; 1949 52-54. At liberty 1951 229-230. Blue mutation 1951 107; 1962 113; 1971 78. Bred 1921 159; 1940 96-97. Breeding 1912 243-246 (Reprinted 1948 110-111), 288; 1932 9; 1940 55-56. Description of nestling 1911 342-343. Double-brooded 1960 107. Hatched 1911 341-342; 1912 37. Historical notes 1948 112-113. History and establishment in captivity 1943 18-21. Importation 1910 336-337. Longevity, sixteen years 1930 167-168. Naming 1921 158-159; 1954 75, 97. Nine hundred and two bred in 35 years 1969 276. Note 1929 122-123. Pair and their progeny 1947 58-59b/w. Sexing juveniles 1960 107. Status in Dutch aviculture 1960 107. Strange behaviour 1932 281-284; 1933 227. Triple-brooded 1957 141.

**Red-capped Parrot, Pileated Parakeet, Red-capped Parakeet** *Purpureicephalus spurius*

1911 285-286\*; 1927 82-83; 1949 115-117; 1957 8-14b/w; 1964 201-211b/w; 1975 201-204. Bred 1909 307, 364; 1974 136-137. Breeding 1909 291-294; 1950 208-211; 1957 14-17. Management 1926 191.

*Platycercus* (*Barnardius* now *Platycercus*)

1927 77, 81; 1939 378\*. Breeding hybrid parakeets 1947 43. Summary of breeding records 1938 306.

HYBRIDS: Adelaide Rosella *Platycercus adelaidae* x Crimson Rosella, Pennant's Parakeet, Pennant's Rosella *Platycercus elegans* 1925 29. Crimson Rosella, Pennant's Parakeet, Pennant's Rosella *Platycercus elegans* x Golden-mantled Rosella *Platycercus excimus ceciliae* 1906 132. Mallee Ringneck, Australian Ring-neck, Mallee Ringneck Parakeet, Barnard's Parakeet *Platycercus barnardi*, *Barnadius barnardi* x Twenty-Eight 1933 51. Golden-mantled Rosella *Platycercus excimus ceciliae* x Pale-headed Rosella, Mealy Rosella *Platycercus adscitus* 1933 51. Green Rosella, Yellow-bellied Rosella *Platycercus caledonicus* x: Adelaide Rosella *Platycercus adelaidae* 1933 50; Golden-mantled Rosella *Platycercus excimus ceciliae* 1933 51. Northern Rosella, Brown's Rosella *Platycercus venustus* x: Golden-mantled Rosella *Platycercus excimus ceciliae* 1947 55; Yellow Rosella *Platycercus flaveolus* 1957 51. Pale-headed Rosella, Mealy Rosella *Platycercus adscitus* x: Crimson Rosella's Parakeet, Pennant's Rosella *Platycercus elegans* 1931 223; Golden-mantled Rosella *Platycercus excimus ceciliae* 1933 41. Western Rosella, Stanley Rosella *Platycercus icterotis* x Golden-mantled Rosella *Platycercus excimus ceciliae* 1937 351.

**Port Lincoln Parakeet, Port Lincoln Ringneck** *Platycercus zonarius zonarius*, *Barnadius zonarius zonarius*

1939 376; 1949 121-123; 1964 59-68b/w. Breeding 1939 42-46; 1964 212-214.

**Mallee Ringneck, Australian Ring-neck, Mallee Ringneck Parakeet** *Platycercus barnardi barnardi*, *Barnadius barnardi barnardi*

1939 376-377; 1949 117-119b/w; 1963 240-249b/w. Breeding 1902 249-251; 1932 267-270; 1937 273-274. Lutino 1929 257. New race 1927 145-146. Tale of 1927 107-111.

**Cloncurry Ringneck, Cloncurry Parakeet** *Platycercus barnardi macgillivrayi*,  
*Barnardius barnardi macgillivrayi*  
1939 274; 1939 377-378; 1949 119-121; 1959 79. Bred 1970 36. Breeding 1940  
91-93; 1968 18.

**Twenty-eight, Twenty-eight Parakeet** *Platycercus zonarius semitorquatus*,  
*Barnardius zonarius semitorquatus*  
1949 123-125. Breeding record 1933 51. Hardiness 1986 58-59. Mutation 1926  
343. Sexing 1906 218,240.

**Green Rosella, Yellow-bellied Rosella** *Platycercus caledonicus*  
1925 143; 1949 168-170; 1977 142-145b/w. Bred 1926 279. Breeding 1934 261-  
264. Status in Dutch aviculture 1960 109.

**Crimson Rosella, Pennant's Parakeet, Pennant's Rosella** *Platycercus elegans*  
1928 205\*; 1949 162-164; 1962 99-106b/w. Abnormal plumage 1902 176,204.  
Aggression 1906 293-294,317. Anting 1965 61. At liberty 1916 52. Breeding 1899  
176-178; 1902 11-16. Colour and variation of young 1906 157-158; 1928 280.  
Hand-rearing 1935 260. Homing instinct 1904 81-82. Laying twenty-four eggs  
1943 28. Letters 1899 188-191; 1900 14,34. Sexing 1898 107-109,132. Status in  
Dutch aviculture 1960 109. Treatment 1900 160.

**Yellow Rosella** *Platycercus flaveolus*  
1949 166-168b/w. Bred 1961 71. Breeding 1904 253; 1926 279-281. Double-  
brooded 1927 275. Hatched 1903 335. Status in Dutch aviculture 1960 109.

**Northern Rosella, Brown's Rosella** *Platycercus venustus*  
1902 211-212\*; 1949 173-175. At London Zoo 1900 83. Bred 1929 310; 1931  
340. Breeding 1928 234-238; 1956 112-115. Breeding records 1930 59,83; 1933  
51. Double-brooded 1933 13. Longevity, more than ten years 1950 18. Letters  
1930 59,83. Rare arrival 1904 57. Status in Dutch aviculture 1960 109.

**Blue-cheeked Rosella** *Platycercus adscitus adscitus*  
Bred 1967 62. New bird to aviculture 1969 4-5.

**Mealy Rosella, Pale-headed Rosella** *Platycercus adscitus palliceps*  
1949 170-173. Breeding results 1960 203. Experiences with 1915 171-179. Status  
in Dutch aviculture 1960 109. The diplomat 1925 188-190.

**Eastern Rosella, Golden-mantled Rosella** *Platycercus eximius eximus*  
1927 75-77; 1947 175-177; 1962 129-136b/w. At liberty 1915 332-339. Breeding  
1933 39-42; 1957 82-83. Male paired to hen Cockatiel *Nymphicus hollandicus*  
hatched 1897 60. Note 1958 149. Seventeen reared in two clutches 1937 77. Status  
in Dutch aviculture 1960 109.

**Adelaide Rosella** *Platycercus adalaidae*  
1914 72-77; 1949 164-166; 1954 236. Breeding 1907 342-343. Mutation 1980  
174. Status in Dutch aviculture 1960 109.

**Western Rosella, Stanley Rosella** *Platycercus icterotis*  
1949 177-179; 1951 1-3\*. Breeding 1908 294; 1928 158-160; 1948 39-40.  
Double-brooded 1973 53. Intelligence 1916 179. Sex of 1909 223,248,276. Status  
in Dutch aviculture 1960 109.

**Bluebonnet, Blue-Bonnet, Yellow-vented Blue-Bonnet** *Northiella haematogaster*  
*haematogaster*, *Psephotus haematogaster haematogaster*  
1927 83-84; 1950 24-27b/w; 1963 71-79b/w. Breeding 1911 269-270. Status in  
Dutch aviculture 1966 110.

**Little Bluebonnet, Naretha Blue-Bonnet** *Northiella haematogaster naretha*,  
*Psephotus haematogaster naretha*  
1950 28-29; 1954 239. A new blue-bonnet 1922 11. Bred 1946 147; 1973 116.  
Breeding 1945 7-8.

### *Psephotus*

1927 94.

HYBRIDS: Bluebonnet, Blue-Bonnet, Yellow-vented Blue-Bonnet *Northiella*  
*haematogaster haematogaster*, *Psephotus haematogaster haematogaster* x Red-  
rumped Parakeet, Red-rumped Parrot *Psephotus haematonotus* 1931 244. Golden-  
shouldered Parrot *Psephotus chrysopterygius* x: Hooded Parrot *Psephotus*  
*dissimilis* 1956 118, 1960 93; Many-coloured Parakeet, Mulga Parrot, Mulga  
Parakeet *Psephotus varius* 1938 306. Hooded Parrot *Psephotus dissimilis* x  
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Blue-Bonnet, Yellow-vented Blue-Bonnet *Northiella haematogaster*  
*haematogaster*, *Psephotus haematogaster haematogaster* 1950 139; Red-rumped  
Parakeet, Red-rumped Parrot *Psephotus haematonotus* 1928 100. Red-rumped  
Parakeet, Red-rumped Parrot *Psephotus haematonotus* x: Hooded Parrot  
*Psephotus dissimilis* 1933 366; Many-coloured Parakeet, Mulga Parrot, Mulga  
Parakeet *Psephotus varius* 1968 35.

**Red-rumped Parakeet, Red-rumped Parrot** *Psephotus haematonotus*  
1950 21-22; 1962 199-207b/w. At liberty 1923 72,81; 1932 31; 1946 38. Blue  
mutation 1968 103. Bred 1932 15. Breeding 1896 159; 1899 28-31. First USA  
breeding 1955 204-207. How not to breed 1903 204-206. Notes 1922 131-133.  
Prolific pair 1903 341. Status in Dutch aviculture 1960 110. Submission in 1945  
56. Yellow mutation, origin 1949 12-14.

**Many-coloured Parakeet, Mulga Parrot, Mulga Parakeet** *Psephotus varius*  
1895 25-26; 1928 205-206; 1950 22-24b/w; 1964 136-145b/w; 1975 210-211.  
Breeding 1897 198-200; 1902 212-216; 1925 272-274; 1952 226-229. Breeding  
records 1902 268; 1903 342; 1931 34. Note on beak of nestling 1907 270-272.  
Longevity, still breeding after seventeen years 1933 14.

**Hooded Parakeet, Hooded Parrot** *Psephotus dissimilis*  
1913 151-153; 1914 133-134 (Wild); 1926 256-259,287; 1950 29-31. Breeding  
1913 73-76,286; 1934 58-64; 1935 74. Breeding experiments 1939 188-190.  
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Parakeet, Hooded Parrot *Psephotus dissimilis* and Golden-shouldered Parakeet,

Golden-shouldered Parrot *Psephotus chrysopterygius* 1913 108-110. Hooded Parakeet, Hooded Parrot *Psephotus dissimilis* or Golden-shouldered Parakeet, Golden-shouldered Parrot *Psephotus chrysopterygius* 1910 165,178-179,197,223. Laid 1912 122-123. Prolific pair 1950 95. Status in Dutch aviculture 1960 110.

**Golden-shouldered Parakeet, Golden-shouldered Parrot** *Psephotus chrysopterygius*

1898 153-157\*; 1899 157-159; 1903 30-32; 1923 34-36b/w; 1950 31-33; 1960 90-94. "Ant-hill Parakeet" 1930 28-29 (Wild). Bred 1959 79; 1968 31. History and status in Australia 1985 66-69. Hooded Parakeet, Hooded Parrot *Psephotus dissimilis* and Golden-shouldered Parakeet, Golden-shouldered Parrot *Psephotus chrysopterygius* 1913 108-110. Hooded Parakeet, Hooded Parrot *Psephotus dissimilis* or Golden-shouldered Parakeet, Golden-shouldered Parrot *Psephotus chrysopterygius* 1910 165,178-179,197,223. Notes 1956 118; 1962 70-71.

**Paradise Parakeet** *Psephotus pulcherrimus*

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*Cyanoramphus*

1927 100. Notes on 1934 273,305. Observations and suggested explanation for high mortality in captivity 1969 186.

**Antipodes Parakeet, Antipodes Green Parakeet** *Cyanoramphus unicolor*

Bred 1973 102. Breeding 1988 120-128b/w. In collections 1898 145; 1899 15; 1985 55. Notes on 1931 35-37. Wild 1934 274-277.

**Norfolk Island Parakeet** *Cyanoramphus cookii* (See also Norfolk Island Parakeet, Green Parakeet, Norfolk Island Parrot Norfolk (Island) Parrot *Cyanoramphus novaezelandiae cookii*)

In America 1937 133; 1934 273. Notes on 1925 300-302. Wild 1932 286-287; 1939 406-410.

**Red-fronted Kakariki, Red-fronted Parakeet** *Cyanoramphus novaezelandiae novaezelandiae*

1968 81-83 (Bred); 1985 55. Bred 1896 14; 1965 69. Breeding 1898 161-162. Mutations 1939 410. Wild 1934 278-282.

**Antipodes Red-fronted Parakeet** *Cyanoramphus novaezelandiae hochstetteri* 1965 163-164\*. Bred 1973 102.

**Norfolk Island Parakeet, Green Parakeet, Norfolk Island Parrot, Norfolk (Island) Parrot** *Cyanoramphus novaezelandiae cookii* (See also Norfolk Island Parakeet *Cyanoramphus cookii*)

Endangered 1987 111.

**Kermadec Parakeet** *Cyanoramphus novaezelandiae cyanurus*

1934 308-309.

**Lord Howe Island Green Parakeet** *Cyanoramphus novaezelandiae subflavescens*

1934 308.

**Macquarrie Island Parakeet** *Cyanoramphus novaezelandiae erythrotis*  
1934 277.

**Yellow-fronted Kakariki, Yellow-fronted Parakeet** *Cyanoramphus auriceps*  
1898 45-46. Breeding 1898 77-78; 1934 292-298; 1972 118-120. Note 1950 147-  
148. Triple-brooded 1968 29. Wild 1934 282-285. Forbes's Parakeet, Chatham  
Island Yellow-crowned Parakeet, Chatham Islands Parakeet *Cyanoramphus*  
*auriceps forbesi* 1934 305-306; 1985 56.

**Alpine Parakeet, Malherbe's Orange-fronted Parakeet** *Cyanoramphus malherbi*,  
*Cyanoramphus auriceps malherbi*  
Bred 1938 307. Wild 1934 306-307.

**Black-fronted Parakeet** *Cyanoramphus zealandicus*  
1934 307.

**Raiatea Parakeet, Society Island Parakeet** *Cyanoramphus ulietanus*  
Wild 1934 307-308.

*Eunymphicus*  
1910 62b/w; 1927 100.

**Horned Parakeet** *Eunymphicus cornutus cornutus*  
Bred 1998 139; 2001 92; 2002 91. Breeding 1980 187-194b/w\*.

**Ouvea Parakeet, Uvaean Parakeet** *Eunymphicus cornutus uvaeensis*  
At London Zoo 1900 33b/w; 1919 173. Diet 1918 283. Letter 1897 130. Treatment  
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Turquoise Parrot, Turquoise Grass Parakeet *Neophema pulchella* 1931 341.  
Bourke's Parakeet *Neopsephotus bourkii*, *Neophema bourkii* x Scarlet-chested  
Parrot, Splendid Grass Parakeet *Neophema splendida* 1933 12. Elegant Parrot,  
Elegant Grass Parakeet *Neophema elegans* x: Scarlet-chested Parrot, Splendid  
Grass Parakeet *Neophema splendida* 1947 57, Turquoise Parrot, Turquoise  
Grass Parakeet *Neophema pulchella* 1933 51. Scarlet-chested Parrot, Splendid  
Grass Parakeet *Neophema splendida* x Turquoise Parrot, Turquoise Grass  
Parakeet *Neophema pulchella* 1954 97. Turquoise Parrot, Turquoise Grass  
Parakeet *Neophema pulchella* x: Elegant Parrot, Elegant Grass Parakeet  
*Neophema elegans* 1938 307, Scarlet-chested Parrot, Splendid Grass Parakeet  
*Neophema splendida* 1938 307.

**Bourke's Parakeet, Bourke's Parrot** *Neopsephotus bourkii*, *Neophema bourkii*  
1905 239-242\*; 1933 113-117\*; 1933 210-213; 1940 294-295; 1950 76-78. Bred  
1931 149-150,340. Breeding 1906 276-277; 1956 15-16. Hatched 1904 256.  
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Polygamy 1949 190. Status in Dutch aviculture 1960 111. Unusual nest site 1964  
150.

**Blue-winged Parakeet, Blue-winged Parrot** *Neophema chrysostoma*  
1932 21-22\*; 1938 28-29; 1940 295; 1950 78-80; 1970 47-51. Breeding 1907 357-  
358; 1926 47-51; 1960 156-158,158-159. Note 1925 142. Prof. Hodge's breeding  
results 1972 180; 1974 232-233; 1980 55 (Twelfth generation). Status in Dutch  
aviculture 1960 111.

**Elegant Parakeet, Elegant Parrot** *Neophema elegans*  
1931 162-166; 1940 295; 1950 80-83; 1952 155-157\*. Bred 1896 98; 1930 31;  
1931 149. Breeding 1952 81; 1953 213-215. Lutino 1972 107. Status in Dutch  
aviculture 1960 110-111.

**Rock Parakeet** *Neophema petrophila*  
Bred 1947 161. Breeding 1963 70. Reared to just feathering 1964 226. Wild 1905  
212; 1940 296; 1942 38; 1950 83-84; 1952 157-158\*.

**Orange-bellied Parakeet** *Neophema chrysogaster*  
1938 213-219 (Hatched); 1940 296-297; 1942 37-38; 1950 84-87; 1998 49-52;  
2000 45. Bred 1972 214-215. Naming 1955 162. Note 1980 N/L; 1988 202-204.  
Saving 1999 134-136. Status and breeding records 1980 118-119. Zinc toxicity as  
cause of death and infertility 2001 93.

**Turquoise Grass Parakeet, Turquoise Parrot** *Neophema pulchella*  
1928 203-205\*; 1931 293-294\*; 1940 297; 1942 174-175; 1950 87-89. A tame  
1930 188-190. Bred 1896 98; 1930 31; 1931 149,340. Breeding 1929 213-222;  
1951 225-228b/w. History and status in Australia 1985 71-72. Note 1927 87. Risk  
in removal of nestbox 1953 42. Status in Dutch aviculture 1960 111. Variations  
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**Splendid Grass Parakeet, Scarlet-chested Parakeet** *Neophema splendida*  
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1975 204-210. Blue mutation 1965 162; 1975 61-63\*. Breeding 1933 8-12; 1934  
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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  
1939 402-403.

**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.

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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*  
1955 162-163. Longevity, at least forty-five years in captivity 1944 45.

**Red-capped Parrot, Pileated Parrot** *Pionopsitta pileata*  
1905 351-352; 1910 180; 1970 96-97; 1975 147-150 (Bred); 1976 123-124.  
Breeding 1977 119-123b/w; 1981 11-12b/w.

**Rose-faced Parrot** *Pionopsitta pulchra*  
1983 51.

**Orange-cheeked Parrot, Barraband Parrot** *Pionopsitta barrabandi*  
1981 12-13; 1982 61; 1983 237.

**Vulturine Parrot** *Gypopsitta vulturina*  
1981 16.

**Rusty-faced Parrot** *Hapalopsittaca amazonina*  
Survey 1996 115.

**Indigo-winged Parrot, Fuertes Parrot** *Hapalopsittaca fuertesi*  
Rediscovered 2002 139.

**Short-tailed Parrot** *Graydidascalus brachyurus*  
1910 178; 1926 15; 1978 204-205. Bred 2002 93.

### *Pionus*

Breeding of four species 1978 61b/w\*. Inverted resting 1986 81. Notes on *Pionus* 1978 196b/w. Research 2001 49.

**Blue-headed Parrot, Red-vented Parrot** *Pionus menstruus*  
Bred 1959 79; 1978 62b/w. Fertile eggs 1972 217. Hatched 1958 73. Lutino 1964 179. Paired with hen *flavirostris* (?) - have a chick 1931 225. Reared 1959 27. Tame 1925 132-134; 1977 215.

**Coral-billed Parrot** *Pionus sordidus corallinus*  
1915 379. Bred 1978 62-63b/w; 2002 93.

**Maximilian's Parrot, Scaly-headed Parrot** *Pionus maximiliani*  
1895 128; 1977 214-215.

**Siy Parrot** *Pionus maximiliani siy*  
Breeding 1983 27-29. Sexing 1983 245.

**Plum-crowned Parrot** *Pionus tumultuosus tumultuosus*  
Bred 1978 63-64\*. First steps towards breeding 1998 102-105.

**Massena's Parrot, White-capped Parrot** *Pionus tumultuosus seniloides*  
1970 153-154b/w.

**White-crowned Parrot** *Pionus senilis senilis*  
1933 109; 1934 115. Bred 1938 303. Breeding 1983 74-76. Hand-rearing 1935 11-16. Hatched 1933 387. Reared to a month 1934 255.

**Bronze-winged Parrot** *Pionus chalcopterus*  
1945 63-64. Bred to second generation 1978 62. Breeding 1976 185-190b/w. Hatched 1976 19; 1978 91. Laid 1970 133. Note 1980 226-227.

**Dusky Parrot** *Pionus fuscus*  
At Paignton Zoo 1931 202; 1977 24-27b/w.

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1899 44; 1926 203\* (Reprinted 1948 138). A rare amazon 1919 133. Breeding notes from my collection of amazons (Spilsbury) 1981 145. Breeding Records 1924 273. De-licing (Method not recommended) 1902 236. Diet 1942 59. Husbandry 1980 232. Notes on 1926 275. Notes on rare amazons 1930 2.

Observations 1975 238. Our collection of amazons (Stoodley) 1980 246. Rare and vanishing amazons 1969 274; 1970 169. Sympatric species (Wrongly titled "Sexing Parrots") 1972 75. Captive breeding *Amazona leucocephala* (All races) 1977 126.

HYBRIDS: Black-billed Amazon, Black-billed Parrot *Amazona agilis* x Red-spectacled Amazon, Pretre's Amazon, Red-spectacled Parrot *Amazona pretrei* 1973 142 (Fertile eggs only). Blue-fronted Amazon, Blue-fronted Parrot *Amazona aestiva* x Yellow-cheeked Amazon, Red-lore Parrot *Amazona autumnalis autumnalis* 1953 176; 1954 181. Festive Amazon, Festive Parrot *Amazona festiva* x Yellow-billed Amazon, Collared Amazon, Red-throated Amazon, Yellow-billed Parrot *Amazona collaria* 1959 40b/w. Green-cheeked Amazon, Mexican Red-headed Parrot, Red-crowned Parrot, Red-capped Amazon *Amazona viridigenalis* x White-fronted Amazon, White-fronted Parrot *Amazona albifrons* 1934 317. Panama Amazon *Amazona ochrocephala panamensis* x Double Yellow-headed Amazon, Levaillant's Amazon *Amazona ochrocephala oratrix* 1937 135.

**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*  
1979 85-88 (Bred).

**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 hesterna*  
1976 202-209.

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

**Yellow-billed Amazon, Collared Amazon, Red-throated Amazon, Yellow-billed Parrot** *Amazona collaria*  
A rare Amazon 1955 154. Breeding 1983 21-26b/w. Notes 1930 8.

**Hispaniolan Amazon, Hispaniolan Parrot, Salle's Amazon** *Amazona ventralis*  
Breeding 1971 185-187b/w.

**White-fronted Amazon, White-fronted Parrot** *Amazona albifrons*  
Breeding 1982 71-74b/w. Laid 1974 136. Sexing 1971 152; 1974 136.

**Black-billed Amazon, Black-billed Parrot** *Amazona agilis*  
Breeding 1980 209-211. Notes 1930 8-9. "The All-green Parrot" 1903 185.

**Puerto Rican Amazon, Puerto Rican Parrot** *Amazona vittata*  
1974 76-77; 1985 110-116b/w. Census 1967 174.

**Red-spectacled Amazon, Pretre's Amazon, Red-spectacled Parrot** *Amazona*

*pretrei*

1991 185-189b/w. Breeding 1997 101-106b/w\*.

**Green-cheeked Amazon, Red-crowned Parrot, Mexican Red-headed Parrot, Red-capped Amazon** *Amazona viridigenalis*

At Whipsnade Zoo 1948 175. Bred 1981 149. Breeding 1984 195-198. "With yellow shoulders" 1945 55.

**Lilac-crowned Amazon, Finsch's Amazon, Lilac-crowned Parrot, Pacific Parrot** *Amazona finschi*

Breeding 1952 23-24b/w; 1978 187-189. Wild nesting behaviour 2000 46.

**Yellow-cheeked Amazon, Red-lored Parrot** *Amazona autumnalis autumnalis*

At London Zoo 1900 231. Breeding 1957 183-188b/w. Diademed Parrot, Diademed Amazon *Amazona autumnalis diadema* and Salvin's Amazon, Salvin's Parrot, Red-fronted Amazon, Red-fronted Parrot *Amazona autumnalis salvini* (Separating) 1934 305b/w. Notes 1930 10-12.

**Salvin's Amazon, Salvin's Parrot, Red-fronted Amazon, Red-fronted Parrot**

*Amazona autumnalis salvini*

Bred 1981 148-149.

**Lilacine Amazon, Lilacine Parrot, Lesson's Amazon, Lesson's Parrot** *Amazona autumnalis lilacina*

1916 91; 1920 30-31b/w; 1994 140\*. Lutinistic 1934 95. Status 1987 223-225.

**Diademed Amazon, Diademed Parrot** *Amazona autumnalis diadema*

1981 12-13.

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

1982 12-14; 1999 86-89. Breeding 1996 49-55b/w. EEP Scheme 1996 106-108.

**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*

1935 216-218; 1981 14.

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

1950 188; 1978 92-93b/w (Laid); 1980 227. Breeding 1983 9-21b/w.

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

1899 185-188. An amusing amazon 1921 56-57. At liberty 1984 118-119. Bred 1943 28; 1950 182; 1958 35. Breeding 1939 393-396b/w; 1942 149-150b/w. Differences in character 1921 71-75. Hatched 1973 346. Longevity 1951 36,73,152. Lutino 1925 264-265; 1932 249. Notes 1924 329; 1950 19. Polly - My amazon 1935 277-280. Richard, a young amazon 1942 20-21. Second generation bred 1952 104. Sexing 1949 113.

**Double Yellow-headed Amazon, Yellow-headed Parrot** *Amazona oratrix*

Bred 1960 251; 1975 58; 1978 117. Breeding 19800 24-235. Laid 1980 228. Sexing 1971 152.

HYBRID: *Amazona oratrix oratrix* x Panama Amazon *Amazona ochrocephala panamensis* 1976 108.

**Yellow-naped Amazon, Yellow-naped Parrot** *Amazona auropalliata*

1994 169. Blue 1941 221. Bred 1979 41.

**Yellow-fronted Amazon, Single Yellow-headed Amazon, Yellow-crowned Parrot**

*Amazona ochrocephala*

1899 161-162. Breeding 1967 199-200; 1968 103; 1980 211-217b/w. Sexing and talking powers 1898 184. Wild in Los Angeles 1971 177.

**Marajo Amazon, Marajo Island Amazon, Marajo Yellow-crowned Amazon, Marajo Yellow-headed Amazon** *Amazona ochrocephala xanthomelana*

New to aviculture 1985 182.

**Orange-winged Amazon, Orange-winged Parrot** *Amazona amazonica*

1899 183. Bred 1979 41.

**Mealy Amazon, Mealy Parrot** *Amazona farinosa farinosa*

1990 126-129b/w.

**Blue-crowned Amazon, Guatemalen Amazon, Mealy Amazon, Mealy Parrot**

*Amazona farinosa guatemalae*

Rare Amazon 1919 133 (Probably this).

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

A new species 1990 190-191.

**Vinaceous Amazon, Vinaceous Parrot, Vinaceous-breasted Amazon** *Amazona vinacea*

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.

**Imperial Amazon, August Parrot, Dominican Amazon, Imperial Parrot**

*Amazona imperialis*

1902 151-152\*; 1926 229\*. In search of 1929 240-246,267-275b/w. My quest 1924 57-59,77-81. Notes 1931 56; 1959 84-85. Studies 1996 114b/w.

**Purple-bellied Parrot, Blue-bellied Parrot, Purple-breasted Parrot, Violet-bellied Parrot** *Triclaria malachitacea*

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*

1898 174; 1902 186-190; 1942 177; 1968 39-40\*; 1976 142-149 (Hand-reared). At liberty 1930 128-129. Bred 1969 275. Breeding 1966 71-72; 1972 201; 1991 27-29b/w. Hand-rearing 1968 40-42. In a mixed aviary 1928 201-202. Note 1971 177. Sexing 1972 216.

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### *Apodidae*

**Common Swift** *Apus apus*

1901 200-202. Longevity, twelve years 1971 227.

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### *Trochilidae*

A hummingbird outing 1933 232. An amateurs experiences in importing 1934 122 (Reprinted 1998 65). Arrival in Paris 1915 392. Arrival of hummingbirds 1933 172b/w,176. At Berlin Zoo 1936 48b/w. At London Zoo 1907 244b/w; 1928 92. Better way to feed 1952 143. Brazilian 1951 234. Canadian hummingbirds 1939 53. Capture and maintenance for experimental purposes 1962 59b/w. Details on keeping in Copenhagen 1948 69b/w. Diets 1931 203,351; 1950 335; 1952 78. Early importations 1968 126. Experiences during fifteen years of feeding 1953 1b/w. Experiments in feeding 1915 328,381. Facts and fables 1933 209. Feeding 1951 73; 1968 55. First importations 1945 144. Historical captive notes 1906 154,243,271. How I obtained my hummingbirds 1915 105b/w,151b/w. Hummingbird Hawk Moth

1982 172. Hummingbirds 1926 25\*; 1933 431\*; 1934 149\*; 1957 84. Importations by: Delacour 1922 107; Webb 1927 272. In captivity 1907 285b/w; 1913 66; 1916 68. In South America 1915 264. In their native haunts 1916 86. In Trinidad 1906 311. Longevity records 1931 323; 1940 270; 1943 6. Methods used when capturing insects 1979 26. More about 1922 121. More notes on 1916 157. My hummingbirds (Ezra) 1915 286. Notes on some 1960 58. Nutrition of nectar-feeding birds 1968 36. Observations on Martinique hummingbirds 1976 98. On hand-rearing 1972 202b/w. One arrived at London Zoo 1906 109; 1914 201. Photographer meets hummingbird 1935 325b/w. Powers of resuscitation 1914 339. Recent breeding records 1977 130. Recent importations 1991 91. Resting on one foot 1972 220b/w. Scratching and preening postures 1973 200. Stretching attitudes 1971 231. Their care and management 1982 213. Torpidity 1933 231. Trade and protection 1988 108. Transportation 1954 36.

**Long-tailed Hermit** *Phaethornis superciliosus*

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

**Reddish Hermit** *Phaethornis ruber*

Notes 1971 160-163b/w.

**Grey-breasted Sabrewing** *Campylopterus largipennis*

Imported 1931 203.

**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.

*Colibri*

1982 26-33b/w.

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.

Correspondence on diet 1967 104-105,137-138; 1968 36,74-75. Near miss 1966 160-167. Notes 1930 10-12.

**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*  
Wild 1930 117-118; 1976 98-99; \*1926 25 (*Bellona exilis*).

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Unspecified species bred in Brazil 1957 20.

**Frilled Coquette** *Lophornis magnificus*  
Notes 1972 77-79\*. B/w 1953 1.

## *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*  
Display 1980 147-150b/w.

**Glittering-bellied Emerald** *Chlorostilbon aureoventris*  
\*1934 149 (Pucheran's Emerald *Chlorostilbon aureoventris pucherani*).

**Cuban Emerald** *Chlorostilbon ricordii*  
1915 105\*. Longevity 1931 292.

**Chiribiquete Emerald** *Chlorostilbon olivaresi*  
Discovered 1996 93.

**Blue-headed Hummingbird, Two-coloured Hummingbird** *Cyanophaia bicolor*  
Wild 1930 120.

**Fork-tailed Woodnymph** *Thalurania furcata*  
1922 107-108, 120-121. Bred 1997 94. Imported 1931 203. \*1923 (Frontispiece);  
\*1926 25.

**Violet-bellied Hummingbird** *Damophila julie*  
Bred 1997 94.

**White-chinned Sapphire** *Hylocharis cyanus*  
B/w 1953 1. \*1934 149.

**Golden-tailed Sapphire** *Chrysuronia oenone*

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

**Streamertail, Streamer-tailed Hummingbird** *Trochilus polytmus*

Bred 1994 183. Breeding 1959 103-106. Hatched 1958 121. Notes on nesting 1960 62-66. Wild 1936 98-99.

**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*

Pre-mating behaviour 1972 173-175b/w.

**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*

Nest-building 1982 153-156b/w. Nesting 1982 151-152.

**Ecuadorian Piedtail Hummingbird, Ecuadorian Piedtail** *Phlogophilus hemileucurus*

1975 93-95b/w.

**Sword-billed Hummingbird** *Ensifera ensifera*

1950 207b/w.

**Juan Fernandez Firecrown** *Sephanoides fernandensis*

Gravely endangered 1997 46.

**CORONET HUMMINGBIRDS**

1972 137b/w.

**Chestnut-breasted Coronet** *Boissonneaua matthewsii*

1972 137-140b/w,220.

**Velvet-purple Coronet, Velvet-fronted Coronet** *Boissonneaua jardini*

1972 137-140b/w.

**Tourmaline Sunangel** *Heliangelus exortis*

Notes 1973 79-83b/w,118.

**PUFFLEGS**

Notes 1974 213.

**Glowing Puffleg** *Eriocnemis vestitus*

Notes 1974 213-214.

**Sapphire-vented Puffleg** *Eriocnemis luciani*

Notes 1974 215-216b/w.

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

Notes 1974 214-215.

**Booted Racket-tail** *Ocreatus underwoodii*

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

## THORNBILL HUMMINGBIRDS

1978 17b/w, 103b/w.

**Purple-backed Thornbill** *Ramphomicron microrhynchum*

Notes 1978 17-19b/w.

**Neblina Metaltail** *Metallura odomae*

Discovered 1983 53.

**Tyrian Metaltail** *Metallura tyrianthina*

“Moulted out” 1971 177.

**Bronze-tailed Thornbill** *Chalcostigma heteropogon*

1978 103.

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

1978 103-104b/w.

**Long-tailed Sylph** *Agelaiocercus kingi*

Nesting 1972 179 (Hatched).

**Violet-tailed Sylph** *Agelaiocercus coelestis*

Bred 1997 94.

**Horned Sungem** *Heliactin cornuuta*

Note 1955 212; 1973 49-52b/w.

**Stripe-breasted Starthroat** *Heliomaster squamosus*

Mating display 1976 221-222. Notes 1976 83-84b/w.

**Blue-tufted Starthroat** *Heliomaster furcifer*

Eclipse plumage 1975 14.

**Oasis Hummingbird** *Rhodopis vesper*

Bred 2001 184.

**Peruvian Sheartail** *Thaumastrura cora*

Eclipse plumage 1975 13.

**Ruby-throated Hummingbird** *Archilochus colubris*  
Nesting 1903 334-335 (Wild). Simple diet 1977 75-76.

**Black-chinned Hummingbird** *Archilochus alexandri*  
Bred 1994 183. Hand-rearing behaviour and maturation 1972 202-205b/w.  
Observations on an albino 1973 203-204b/w.

**Amethyst Woodstar** *Calliphlox amethystina*  
Notes with observations on eclipse plumage 1975 13-14b/w.

**Vervain Hummingbird** *Mellisuga minima*  
Wild 1936 100.

**Purple-collared Woodstar** *Myrtis fanny*  
Bred 1997 46.

**Allen's Hummingbird** *Selaphorus sasin*  
Bred 1994 183. Breeding 1962 86-88.

## **TURACOS, GO-AWAY-BIRDS AND PLANTAIN-EATERS**

### *Musophagidae*

1912 145; 1925 284. Breeding 1982 205-209. Census 1992 40. Mostly about turacos  
1993 171. Name of 1965 135. Pathology and diseases 2001 100. Recent breedings  
1993 43. Recent importations 1991 91. Result of census 1993 104. Wing pigments  
1919 63. Young of 1905 117.

**HYBRIDS:** Hartlaub's Turaco *Tauraco hartlaubi* x Knysna Turaco *Tauraco  
corythaix* 1968 124. Knysna Turaco *Tauraco corythaix* x Livingstone's Turaco  
*Tauraco livingstonii* 1981 15. White-cheeked Turaco *Tauraco leucotis leucotis* x  
Ruspoli's Turaco *Tauraco ruspoli* 2003 86.

**Gold Coast Turaco** *Tauraco persa persa*  
1925 286-288. Breeding 1932 3-5; 1971 163-165b/w. Breeding data 1973 77-78.  
Unsuccessful nesting 1927 270-272. \*1925 192.

**Buffon's Turaco** *Tauraco persa buffoni*  
Breeding 1916 211-219; 1991 35-36.

**Schalow's Turaco** *Tauraco schalowi*  
1931 1\*. At London Zoo 1900 60. Bred 1967 119-120. Breeding 1973 75-  
78.\*2003 75.

**Fischer's Turaco** *Tauraco fischeri*  
Breeding 1993 168-170. Description of nest and eggs 1976 219 (Wild). \*2003 76.  
*Tauraco fischeri zanzibaricus*: Rediscovered 1992 86.

**Livingstone's Turaco** *Tauraco livingstonii*

Thirteen bred 1993 104.

**Knysna Turaco** *Tauraco corythaix*

Bred 1949 31; 1949 158; 1965 120; 1970 25; 1974 118. Breeding 1963 25-29. Nesting 1908 297-298b/w (Hatched); 1909 350-351 (Hatched). Notes 1911 183-184; 1959 43.

**Bannerman's Turaco** *Tauraco bannermani*

1999 143.

**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.

**White-cheeked Turaco** *Tauraco leucotis leucotis*

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.

**Donaldson's Turaco** *Tauraco leucotis donaldsoni*

1925 141. Bred 1930 129-130. Longevity, eighteen years 1963 88.

**Ruspoli's Turaco** *Tauraco ruspolii*

Not so rare 2000 139. Reasonably abundant 1996 91.

**Hartlaub's Turaco** *Tauraco hartlaubi*

1953 179-181\*; 1999 143. Hand-rearing 1948 52-53. Notes 1954 86-89. \*1994 90.

**White-crested Turaco** *Tauraco leucocephalus*

Bred 1998 132.

**Purple-crested Turaco** *Tauraco porphyreolopha*

Breeding 1974 217-219; 1992 111-114b/w. Imported 1927 26. Note 1924 271.

**Violaceous Turaco, Violet Turaco** *Musophaga violacea*

1930 141-142\*. Breeding 1988 129-135. Breeding notes 1997 56-57. Helping behaviour and other observations 1993 132-135.

**Lady Ross's Turaco, Ross's Turaco** *Musophaga rossae*

1911 53-54\*. Bred 1971 176; 1972 108,203. Breeding 1973 30-34; 1977 179-183b/w. Longevity, over twenty years old 1974 196.

**Grey Go-away-Bird** *Corythaxoides concolor*

Breeding 1970 232-233b/w. Breeding data 1973 77-78. Note 1921 68.

**Bare-faced Go-away-Bird** *Corythaixoides personatus*  
Note 1930 73,79.

**White-bellied Go-away-Bird** *Corythaixoides leucogaster*  
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.

## **BARN OWLS AND GRASS OWLS**

### *Tytonidae*

**Australian Masked Owl** *Tyto novaehollandiae*  
Breeding record 1949 128-129.

**Madagascar Red Owl** *Tyto soumagnei*  
Found in captivity 1994 173.

**Barn Owl** *Tyto alba*  
1927 129b/w. A tame owl 1937 54-55. Aspects of behaviour and reproduction in  
captivity 1971 117-125b/w. "Been bred" 1896 77. Bred 1976 112. Food 1905 291-  
292. Increased population 1986 148-150. Note 1972 112. One hundred and eleven  
bred and released 1995 34. Pet owl 1949 105-106. Release of captive bred 1973 7-  
8. Research project 1983 109-110. Status 1992 39. Survey 1994 228.

**Ashy-faced Owl** *Tyto glaucops*  
Breeding notes 2001 184.

**Oriental Bay-Owl** *Phodilus badius*  
1949 98. At Lilford 1940 69. Laid 1940 113; 1970 164.

## **TYPICAL OWLS**

### *Strigidae*

1901 111; 1911 275; 1927 117b/w. As aviary birds 1940 109. At West Berlin Zoo  
1976 110. Breeding European owls 1975 70b/w. Breeding owls 1966 55b/w. British  
breeding records 1949 100; 1974 120; 1976 107. Cannibalism 1928 99. Experiences  
with owls 1949 98. In praise of owls 1913 162b/w. Nest contents 1918 225b/w. Owl  
Symposium 1986 237. Owls as pets 1895 94; 1912 113. Owls at Wargrave 1927 325.  
Owls bred at London Zoo 1974 34. Predatory behaviour 1976 113. Small owls in  
aviaries 1977 18b/w. Some notes on captive owls 1981 248-255. Vocalisation 1920  
39b/w,57,77b/w,100; 1921 154,177; 1929 130 (Poem).



**Common Scops-Owl** *Otus scops*

1946 222. "Been bred" 1896 77. Bred 1969 162-163. Breeding 1899 159-160.  
Note 1975 71.

**Seychelles Scops-Owl, Bare-legged Scops-Owl** *Otus magicus insularis*, *Otus insularis*

1972 104. Population estimate 1980 N/L.

**Anjouan Scops-Owl** *Otus capnodes*, *Otus rutilus capnodes*

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*  
Protection 1991 191.

**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*  
Note 1946 222.

**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*  
Note 1990 98.
- 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*  
1977 20.
- 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*  
1900 113-114; 1902 193-196b/w (Been bred); 1927 127-128. Bred 1978 117-118. Having fits 1903 74. Nesting 1902 300-301. Nesting requirements 1940 112. Random notes 1967 107-109\*. Sexing 1902 177.
- Tengmalm's Owl, Boreal Owl** *Aegolius funereus*  
1895 96; 1902 95 (Wild in UK); 1946 222. Breeding results 1975 71b/w.
- Saw-whet Owl** *Aegolius acadicus*  
Treatment of gas gangrene 1969 151.
- 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.

**Norfolk Island Boobook** *Ninox boobook undulata*  
Only one left 1987 111.

**Christmas Island Hawk Owl** *Ninox squamipila natalis*  
Endangered 1993 93.

**Cinnabar Hawk-Owl** *Ninox ios*  
Discovered 2000 46.

**Little Sumba Hawk-Owl** *Ninox sumbaensis*  
Discovered 2002 143.

**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*  
Breeding 1973 158-162b/w; 1981 242-248b/w. Growth and development in a hand-reared 1993 153-157. Note 1972 148.

**Short-eared Owl** *Asio flammeus*  
Bred in Hampshire 1905 42. In the trenches 1916 350.

**Marsh Owl** *Asio capensis*  
1921 123-124.

## **OWLET-NIGHTJARS**

### *Aegothelidae*

**Australian Owlet-Nightjar** *Aegotheles cristatus*  
Bred 1972 214.

**New Caledonian Owlet-Nightjar** *Aegotheles savesi*  
Rediscovered 2000 92.

## **AUSTRALIAN FROGMOUTHS**

### *Podargidae*

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*  
Imported 1930 308.

## **OILBIRD** *Steatornithidae*

**Oilbird** *Steatornis caripensis*  
A Guacharo cave 1906 236-239b/w. Kept at Bronx Zoo 1968 220-221. Protection 1983 237.

## **POTOOS** *Nyctibiidae*

**Great Potoo** *Nyctibius grandis*  
At Brookfield Zoo 1959 174-175b/w.

**Grey Potoo, Common Potoo** *Nyctibius griseus*  
In captivity 1940 100-102.

## **NIGHTJARS AND NIGHTHAWKS** *Caprimulgidae*

1926 30.

**Common Nighthawk** *Chordeiles minor*  
Attempt to rear 1909 96-98 ("Mosquito Hawk"). Note and longevity 1990 98-99.

**Nacunda Nighthawk, Goatsucker** *Podager nacunda*  
At London Zoo 1911 128.

**Pauraque, White-necked Nightjar** *Nyctidromus albicollis*  
Captive notes 1941 218-220.

**Ocellated Poorwill** *Nyctiphrynus ocellatus*  
2000 51.

**Eurasian Nightjar, European Nightjar** *Caprimulgus europaeus*  
1907 275-276; 1911 34-35; 1915 137-139b/w, 195, 231. Breeding in captivity 1909 51. Increased wild population 1995 45. Observations on wild pair 1947 185-188.

## DODOS AND SOLITAIRES

### *Raphidae*

In captivity 1928 33.

## PIGEONS AND DOVES

### *Columbidae*

Carrier pigeons to be phased out 2000 136. Chequers and bars in pigeons 1907 174,224. Concerning foreign doves 1936 217. Confusion in naming doves 1898 50. Courtship positions of doves 1898 191. Do doves tell the time? 1936 84. Dove acclimatisation experiment 1907 137,190,215b/w,245; 1908 43. Doves at liberty 1914 123,177. Eating livefood 1903 397; 1904 83. Foreign doves 1911 163,193. Foreign doves in captivity 1966 22. Further observations on foreign doves 1937 45. Ground doves and pigeons 1929 138,156. Identification of rare doves 1896 33. Keeping doves and pigeons 1966 96,179. List of doves for sale in France 1900 19. Moults and plumage in captive seed-eating doves 1967 33. Nomenclature of doves 1898 40. Notes on doves 1907 41. Observations on seed-eating doves 2001 53. Observing habits of foreign doves 1973 44. Pigeons 1929 37. Pigeons of Gambia 1919 24,103; 1923 185,231. Random observations on behaviour 1962 93. Second egg-tooth in young pigeons 1926 20; 1933 56b/w. True pigeons 1929 180,200,276. Using foster parents to raise foreign doves 1965 152. Voice and displays of certain pigeons 1956 17b/w,62.

HYBRIDS: Nicobar Pigeon *Caloenas nicobarica* x Pheasant Pigeon *Otidiphaps nobilis* 1937 135.

### *Columba*

Notes on European wild pigeons 1955 54b/w.

HYBRIDS: Scaled Pigeon *Columba speciosa* x Spot-winged Pigeon *Columba maculosa*) 1916 275. Snow Pigeon, White-bellied Pigeon *Columba leuconota* x Domestic Pigeon (Strasser) 1965 13,174b/w; 1966 133b/w. Speckled Pigeon *Columba guinea* x: Domestic Pigeon 1933 79; Tippler Pigeon, Tipler Pigeon 1997 30.

### **Rock Dove, Rock Pigeon** *Columba livia*

1929 181. Devotion, story of a pair of pigeons 1917 251-256. Important news concerning 1980 176-178. Notes on feral pigeons *Columba livia* var. 1954 190-213b/w. Personal notes 1981 19-33,121-123. Trafalgar 1971 71. Wanted: A green pigeon 1968 146-147.

### **Snow Pigeon** *Columba leuconota*

1911 173-174,204-207 (Bred). At 10,000 feet 1981 51-53. Bred 1936 115.

### **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*  
1975 228-229.

**Stock Dove, Stock Pigeon** *Columba oenas*  
Personal observations 1980 151-163b/w.  
HYBRIDS: 1940 316.

**Common Wood Pigeon** *Columba palumbus*  
Breeding 1969 114. Country lore 1967 131. Longevity, seventeen years 1965 94.  
Tame 1986 208-219.

**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*  
1913 110-115; 1935 167. Nesting 1910 158-164,193,195 (Bred) (Correction 226).

**White-headed Pigeon** *Columba leucomela*  
Bred 1963 251; 1967 20; 1991 191.

**White-crowned Pigeon** *Columba leucocephala*  
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.

**Picazuro Pigeon** *Columba picazuro*  
1899 67. Been bred 1962 39. Clutch size 1963 132.

**Band-tailed Pigeon** *Columba fasciata*  
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*  
1972 103-104.

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

**Pink Pigeon** *Columba mayeri*  
At Jersey Zoo 1978 112-114. Breeding 1992 197. Breeding at Jersey Zoo 1979 1-  
2b/w. Pair at London Zoo 1907 76-77. Successful season in wild 1993 216.

### *Streptopelia*

Some wild pet doves 1911 262.

HYBRIDS: Necklaced Dove *Streptopelia chinensis* x Senegal Dove *Streptopelia  
senegalensis* 1933 81. European Turtle Dove *Streptopelia turtur* x Barbary Dove  
*Streptopelia risoria* dom. 1956 4. Hybridising with doves at liberty 1956 152. On  
some hybrids and their fertility 1904 191b/w.

**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*  
1929 112.
- Blue-spotted Wood Dove, Rufous-winged Dove** *Turtur afer*  
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** *Columbina 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*  
Lutinism 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 Wattle 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 castaneoventris*

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.

## SANDGROUSE

### *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*

1923 171-172.

## SEEDSNIPE

### *Thinocoridae*

**Grey-breasted Seedsnipe** *Thinocorus orbignyianus*

1913 381.

**Least Seedsnipe, Lesser Seedsnipe** *Thinocorus rumicivorus*

1913 321-323b/w. At London Zoo 1914 47; 1982 60. Note 1913 381.

## PLAINS WANDERER

### *Pedionomidae*

**Plains Wanderer** *Pedionomus torquatus*

1988 108.

## WOODCOCK, SNIPES, SANPIPERS, CURLEWS AND PHALAROPES

### *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*

Rearing 1968 1-2\*.

**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*

1909 309-311b/w; 1931 136-137. In captivity 1915 196-197. My best bird view last year 1913 78-80.

## PAINTED SNIPE

### *Rostratulidae*

#### **Greater Painted Snipe** *Rostratula benghalensis*

Observations 1974 1-3b/w.

## JACANAS

### *Jacanidae*

#### **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*

1902 95; 1903 215.

#### **Wattled Jacana** *Jacana jacana*

Breeding notes 1997 55-56.

## SHEATHBILLS

### *Chionididae*

1917 110b/w. Sheathbills at London Zoo 1927 245.

#### **Snowy Sheathbill** *Chionis alba*

1927 246b/w. Feeding method 1928 98.

#### **Black-billed Sheathbill** *Chionis minor*

1917 111b/w.

## STONE CURLEWS AND THICK-KNEES

### *Burhinidae*

#### **Stone Curlew, Eurasian Thick-knee** *Burhinus oedicephalus*

1911 39. Bred 1970 129,244b/w. Hatched 1929 248. Longevity, thirteen-and-a-half years 1961 198. Laid 1917 248-249. Multi-generation breeding 1999 6-11\*. Reared from wild eggs 1970 76-77.

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

Unusual nesting behaviour 1947 22.

#### **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.

## **OYSTERCATCHERS, STILTS, AVOCETS, PLOVERS AND LAPWINGS**

### *Charadriidae*

Breeding and rearing waders 1939 173; 1971 16. Desirable waders 1914 222.  
Keeping waders 1956 1b/w. Management and treatment 1906 359; 1907 107; 1911  
140; 1912 191. Notes 1914 313. Seen in Scillies 1916 127b/w. Small waders 1928  
268b/w; 1947 8,145b/w. Some European waders 1941 160. Waders 1912 260; 1938  
115. Waders in captivity 1903 202.

**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.

**STILTS**  
1947 153.

**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*  
Breeding notes 1997 52-54.

**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  
1997 54. Note 1906 359; 1947 150-153. Under threat 1994 227. Wild 1902 10;  
1966 28; 1968 70; 1976 218.

- Red-necked Avocet** *Recurvirostra novaehollandiae*  
Bred 1974 36.
- Golden Plover** *Pluvialis apricaria*  
Colour change 1922 59-60.
- Grey Plover** *Pluvialis squatarola*  
Curious behaviour 1924 84-85.
- Ringed Plover** *Charadrius hiaticula*  
As an aviary bird 1903 26-28; 1938 80-81. Breeding notes 1997 62. Reared from wild eggs 1902 90-92.
- Little Ringed Plover** *Charadrius dubius*  
Breeding 1976 127. Studies 1953 191-207b/w.
- Killdeer** *Charadrius vociferus*.  
Bred 1963 206.
- Kittlitz's Plover, Kittlitz's Sand Plover** *Charadrius pecuarius*  
1945 32b/w. Bred 1965 192. Hatched 1970 76.
- Three-banded Plover** *Charadrius tricollaris*  
Nest commandeered by Blacksmith Plover *Vanellus armatus*, *Anitibyx armatus*  
2001 187\*.
- Piping Plover** *Charadrius melodus*  
Incubation and rearing 1966 145-146\*.
- Malaysian Plover, Malaysian Sand Plover** *Charadrius peronii*  
Wild data 1997 114.
- Puna Plover** *Charadrius alticola*  
Bred 1971 37.
- New Zealand Shore Plover** *Thinornis novaeseelandiae*  
1985 53. Bred 1993 106.
- Australian Courser, Inland Dotterel** *Peltohyas australis*  
Bred 1979 169.
- Northern Lapwing** *Vanellus vanellus*  
1956 191; 1957 136-137; 1998 6-7. Bred 1939 173. Captive management 1931  
188-190. Decline 1994 176. Hand-rearing 1983 77-83. Rearing 1971 16-19. White  
1900 114.
- Long-toed Lapwing** *Vanellus crassirostris*  
Bred 2001 45.



**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*

Commandeering nest of Three-banded Plover *Charadrius tricollaris* 2001 187\*. Hatched 1967 97. Successful Rearing 1936 208-209.

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

Bred 1965 192. Third generation bred 1974 114.

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

1933 226-227. Observations 1965 114-116b/w.

**Wattled Lapwing, Senegal Wattled Plover** *Vanellus senegallus*

Bred 1909 36; 1910 335. Hatched 1933 128; 1934 162.

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

Breeding 1939 334b/w; 1933 194.

**Crowned Plover, Crowned Lapwing** *Vanellus coronatus*

Bred 1979 96. Breeding 1929 155-156. Breeding record 1934 322. Hatched 1933 127. Nested 1934 79,163. B/w 1943 31 (Eggs).

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

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

**Southern Lapwing** *Vanellus chilensis*

1915 201-202. Nesting 1986 150-156. Rearing fostered Lapwings 1932 164.

## **COURSERS AND PRATINCOLES**

### *Glareolinae*

Nesting habits 1945 31. Three species at London Zoo 1926 159.

HYBRIDS: Collared Pratincole *Glareola pratincola* x Eastern Collared Pratincole *Glareola maldivarum* 1965 192.

**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.

## **SKUAS** *Stercorariidae*

**Great Skua** *Stercorarius skua*, *Catharacta skua*  
Swallowing glove 1962 80. Waterfall pirate at home 1895 7-8.

## **SKIMMERS** *Rynchopidae*

**Black Skimmer** *Rhynchops niger*  
Hatched and reared from wild-taken egg 1905 112.

## **GULLS AND TERNS** *Laridae*

### *Larus*

Hardiness 1906 177. Seagulls 1919 189b/w.  
HYBRIDS: Lesser Black-backed Gull *Larus fuscus* x Herring Gull *Larus argentatus* 1953 142.

**Hemprich's Gull, Sooty Gull** *Larus hemprichii*  
Hatched 1912 286.

**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.

**Iceland Gull** *Larus glaucoides*  
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*  
1933 93-95b/w. Bred 1953 174.

**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*  
1897 53.

**Little Gull** *Larus minutus*  
1895 68.

**Kittiwake** *Larus tridactylus*  
1949 89-90.

**Common Tern** *Sterna hirundo*  
1952 37-39.

**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.

## **AUKS** *Alcidae*

**AUKS**  
1929 14.

**Little Auk, Dovekie** *Alle alle*  
1905 356-358. Record numbers 1994 227.

**Common Guillemot, Common Murre** *Uria aalge*  
1941 21-22. Egg-laying in captivity 1969 42-46. Hatched 1972 68; 1973 64; 1993 194.

**Parakeet Auklet** *Cyclorrhynchus psittacula*  
Keeping and hand-rearing 1995 3-12\*.

## PUFFINS

An experiment in culture 1959 1b/w.

**Atlantic Puffin** *Fratercula arctica*

Decline on Lundy 1969 112. On Saltee Island 1918 241-243b/w.

**Tufted Puffin** *Fraticola cirrhata*, *Lunda cirrhata*

Bred 1973 64; 1974 114. Fertile egg 1968 220.

## OSPREY, HAWKS AND EAGLES

### *Accipitridae*

At East Berlin Zoo 1987 162,102b/w. At Wassenaar Zoo 1982 150. Birds of Prey 1927 162b/w,177b/w. Birds of Prey as companions 1949 81. Birds of Prey, treatment in captivity 1910 340,341. Cornell University breeding program 1973 141. Duration of life 1924 32. Feeding captive birds of prey 1981 256. Feeding 1968 142. Hawks 1911 275. Imping - a practical way to repair feathers 1989 26b/w. Raptor rehabilitation 1981 266b/w. Renewal of claws and bill tips in Birds of Prey 1928 198,252. Special Birds of Prey Issues of avicultural Magazine: 1949 May/June; 1981 October/December. UK First Breeding Records 1996 166.

**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*  
1969 151-152,277. Bred 1971 78. Breeding results in Sweden 1976 219.  
Introduced 1987 231. For release 1993 50. Nesting wild in UK 1983 185.  
Reintroduction 1992 136.

**Bald Eagle, American Bald Eagle** *Haliaeetus leucocephalus*  
1969 145. Fifteen bred in nine years 1995 46. Notes on 1981 271-272.  
Rehabilitation 1981 115. Status reclassified 1994 226. Success 1994 177. B/w  
1975 174.

**Steller's Sea Eagle** *Haliaeetus pelagicus*  
Black Sea Eagle *Haliaeetus pelagicus niger* attempting to catch sparrows 1920 55.  
Longevity, thirty-six years 1972 33. Note 1938 78b/w. Steller's and Black Sea-  
Eagles *Haliaeetus pelagicus niger* 1949 93-96b/w.

## VULTURES

Kolbe's Vulture 1913 153-154 (Hatched). Rapid decline in some species 2000  
137. Sociable Vulture "bred in London" 1943 117. Some Indian 1918 49. Vultures  
1919 101b/w. Vultures in Africa 1918 52. Vultures in captivity in South Africa  
1981 215b/w. Workshop 2001 139.

**Lammergeier, Bearded Vulture** *Gypaetus barbatus*  
Breeding and hand-rearing 1981 223-231b/w. Breeding in confinement 1933 32.  
Breeding record 1933 85. Kenyan rescue programme 1994 53. Reintroduction  
1984 243. Two at London Zoo 1912 199.

**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*  
Pet 1918 47-48b/w.

**White-rumped Vulture, Indian White-backed Vulture, Oriental White-backed  
Vulture** *Gyps bengalensis*  
Bred 1981 186. Breeding 1983 4-8b/w.

**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*  
1914 154-159.
- Congo Snake Eagle, Congo Serpent Eagle** *Dryotriorchis spectabilis*  
1927 228.
- 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.
- Montagu's Harrier, Montague's Harrier** *Circus pygargus*  
Monograph 1996 186.
- African Goshawk** *Accipiter tachiro*  
Bred 2002 97.
- Grey Goshawk, White Goshawk** *Accipiter novaehollandiae*  
Bred 1973 35.
- 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*  
1936 112b/w. Introduced 1987 231-232.
- Grasshopper Buzzard, Grasshopper Buzzard Eagle** *Butastur rufipennis*  
Note 1963 170.
- Harris Hawk, Harris's Hawk** *Parabuteo unicinctus*  
As pigeon scarers 1994 174. Bred 1973 141.

**Crowned Eagle, Crowned Solitary Eagle** *Harpyhaliaetus coronatus*  
Breeding note 1996 91.

**Swainson's Hawk** *Buteo swainsoni*  
1954 19b/w.

**Red-tailed Hawk** *Buteo jamaicensis*  
Laid 1970 164. Hatched from artificially inseminated egg 1971 148. Bred  
1974 233.  
HYBRIDS: Common Buzzard *Buteo buteo* x Red-tailed Hawk *Buteo*  
*jamaicensis* 1972 67; Red-tailed Hawk *Buteo jamaicensis* x Common Buzzard  
*Buteo buteo* x 1977 169.

**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*  
1972 67; Red-tailed Hawk *Buteo jamaicensis* x Common Buzzard *Buteo buteo* x  
1977 169.

**Long-legged Buzzard** *Buteo rufinus*  
Bred 1986 194.

**Jackal Buzzard, Augur Buzzard** *Buteo rufofuscus*  
Breeding 1907 57,190. Incubation period 1907 254. Longevity 1922 13; 1931 336.  
Pre-War veteran 1919 222.

## EAGLES

Chains for eagles 1910 256. Scenes in the life of two eagles 1925 70. Ways of  
1922 93,142.

**Crested Eagle** *Morphnus guianensis*  
Nest found 1995 87.

**Harpy Eagle** *Harpia harpyja*  
Bred 1994 227. Fourteenth hatched 2002 170-171\*. Hatched 1985 170. Longevity,  
eighteen years old 1920 45; 1940 33b/w. Release 1998 93. B/w 1927 172.

**New Guinea Eagle, New Guinea Harpy Eagle** *Harpyopsis novaeguineae*  
1951 36.

**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*  
Longevity, forty-one years 1928 22.

**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*

1963 170.

**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.

## SECRETARY BIRD

### *Sagittariidae*

**Secretary Bird** *Sagittarius serpentarius*

1912 105-108b/w; 1912 109-111; 1917 334-337b/w; 1927 165-166; 1931 183-185. Rearing 1988 117-120b/w.

## CARACARAS AND FALCONS

### *Falconidae*

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*

1969 163-164.

**Black-thighed Falconet, Black-legged Falconet, Malay Falconet** *Microhierax fringillarius*

1928 58-60.

**Pied Falconet** *Microhierax melanoleucus*

Notes 1914 93-98; 1924 262-263.

**Common Kestrel** *Falco tinnunculus*

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*

Breeding 1993 1-8b/w. Captive breeding project 1981 191-207b/w. Conservation programme 1994 53. Population increase 1991 193.

**American Kestrel** *Falco sparverius*

Bred 1970 166; 1980 51. Laid 1970 164.

**Aplomado Falcon** *Falco femoralis*

1949 89. Predatory behaviour in captivity 1976 169-171.

**Merlin** *Falco columbarius*

Laid 1970 164.

**Bat Falcon** *Falco ruficularis*

1990 103.

**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, Laggar Falcon, Lagger Falcon** *Falco jugger*  
Bred 1974 233.

**Saker Falcon** *Falco cherrug*  
Bred 1974 160.

**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 melanopis*  
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 leucocephalus* 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.