

BIRD SOUNDS OF JAPAN



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Contents

Introduction

Acknowledgments

Important point

- Disc-1 Great Crested Grebe~Mongolian Plover
- Disc-2 Pacific Golden-Plover~Rock Pigeon
- Disc-3 Common Cuckoo~Siberian Accentor
- Disc-4 Japanese Robin~Inornate Warbler
- Disc-5 Kamchatka Leaf Warbler~Yellow Bunting
- Disc-6 Yellow-breasted Bunting~Bengalese Finch

Index of Scientific Names

Index of English Names

Index of Japanese Names

Reference of sound media & bibliography

Reference of Site

Introduction

This CD contains sounds of 377 species (including 45 subspecies) of birds recorded in Japan including more than 800 sound variations.

I hope that it would help you deepen your knowledge of bird sounds and widen the pleasure of bird watching. The CD's arrangement of bird names follows that of "A Field Guide to The Bird of Japan. Revised new edition (Shinji Takano, et al · 2015)". Mr. Takano's arrangement is very convenient in comparisons and examinations of bird species in the field. Species newly added at the revised edition are arranged near the same group for easy comparison.

Since there are many sound variations among subspecies, I collect as many sounds of subspecies as possible, and put a note (Race of "Local name") to make its relations with the species clear.

One track is composed of sounds of 1-species or 1-subspecies. The text shows the number of CD and its track number. For example 1-20 means the 20th track of No.1 CD.

On each track, first the Japanese name of the species or subspecies is read out. Next comes the bird sounds. The sound type is arranged in order of frequency. For summer visitors, first comes the songs, followed by variations of their songs, and calls and juveniles in order. For winter visitors identity calls come before songs. In case songs have some variations, the most typical one is put first and followed by less frequent ones in order. Some long songs are edited into about 30 seconds and each sound is arranged at 2~3 second interval. When a bird has a single-note vocalization, only one note is given. Birds of whispering weak sounds are shown at low volume. The drumming of Copper Pheasant and low-pitched sounds of Great Bittern, Blakiston's Fish Owl, Japanese Scops-Owl and a high frequency sounds of Hazel Grouse, Asian Stubtail, Iijima's Leaf-Warbler, Goldcrest, Eurasian Tree-Creeper could not be sometimes correctly reproduced depending on the quality of ear phones and speakers as well as hearing ability of each listener. The same thing happens when files are converted for reproduction on computers and smartphones.

The text shows the sound type of each species. "S" means the song. When the definition of its sound type is difficult like identity calls or appeals, alarm calls or intimidations, circumstances and purpose of vocalization are added to the note to give listeners keys to identification and observation. "?" is put when completely difficult to decide sound types and "unknown" means the lack of information. In this field many things are still unclarified, so new analysis may appear as research proceeds. Chicks (in the nest) are separated from juveniles (left the nest).

The date on the text is the recording day (the year/ month/day in order) and next comes the names of a prefecture and a city.

The sounds of some species which have few chances to get in nature were recorded in zoos and wild bird hospitals. These sounds were recorded as materials for identification in the field and noted as "in cage".

The sounds were mostly recorded by Michio Matsuda, but also provided by many other people. [] is the name of the person who recorded the sound. All the sounds were edited and processed by Michio Matsuda. Scientific names of this CD follows "Check list of Japanese Birds. 7th edition". English names are based on "A Photographic Guide to the Birds of Japan and North-east Asia (Tadao Inaba · 2016)" and "Birds of East Asia,; Eastern China, Taiwan, Korea, Japan and Russia(Mark Brazil · 2009)". And for English names of subspecies "A Hand list of Japanese Birds. 4th edition(The Ornithological society of Japan · 1958)" is used as reference, and I named it myself when there is no English name for some subspecies.

Acknowledgements

I would like to express my appreciations and gratitude to Mr. Tsuruhiko Kabaya. Without him bird sounds recordings in Japan never have developed. He built up the guiding principles for the bird identification by their sounds, which should never be overestimated. This CD was born on the base of his achievements.

And I would also like to express my deep appreciations to all the people who gave information and sometimes guided me around. Their help enabled me to accomplish this sound collection.

For the production of this CD. I would greatly thanks to Akira Takemori, Ryosuke Tanaka, Ikuhiro Hanada, Yanagawa Kenji for not only their providing their sound sources, also sound checking and other important advices. And my special thanks also go to Tatsuyuki Tomioka, Hisashi Shimizu of WBSJ and staff member of Mitsumura Printing Co,Ltd. for their efforts and cooperation.

Important point

Vocal communication is very important for wild birds. Careless use of the CD in nature could have a great effect on life of wild birds. Please do not use the recorded sounds in the field.

Alarm calls of some species causing violent reactions were intentionally omitted from the collection.

■Disc-1

- 1-01 Great Crested Grebe/*Podiceps cristatus* 26
Duet 2013.4.5. Ibaragi pre. Hokota city
Alarm call 2013.4.5. Ibaragi pre. Hokota city
- 1-02 Red-necked Grebe/*Podiceps grisegena* 26
Song 2008.6.12. Hokkaido Tesio-gun Toyotomi-cho
- 1-03 Black-necked Grebe/*Podiceps nigricollis* 26
Flock 2007.2.12. Tokyo Edogawa-ku
- 1-04 Little Grebe/*Tachybaptus ruficollis* 26
Song 2014.4.1. Saitama pre. Saitama city
Courtship? 2014.2.23. Saitama pre. Saitama city
Identity call 2009.10.31. Chiba pre. Abiko city
Intimidation 2013.11.24. Saitama pre. Saitama city
Alarm call 2013.12.15. Tokyo Bunkyo-ku
- 1-05 Great Cormorant/*Phalacrocorax carbo* 28
Flock 2014.3.16. Tochigi pre. Moka city
Colony(courtship & chick etc.) 2004.2.26. Saitama pre. Hiki-gun Namegawa-cho
- 1-06 Japanese Cormorant, Temminck's Cormorant/*Phalacrocorax capillatus* 28
Flock 2012.2.11. Ibaragi pre. Kamisu city
- 1-07 Red-faced Cormorant/*Phalacrocorax urile* 28
Colony 2001.6.23. Russia Sakhalin Kuril Islands
- 1-08 Mute Swan/*Cygnus olor* 30
Response to feeding 2013.4.5. Ibaragi pre. Hokota city
Juvenile 2010.10.10. Chiba pre. Abiko city
- 1-09 Whooper Swan/*Cygnus cygnus* 30
Duet 2004.11.28. Miyagi pre. Tome city
Identity call 1997. 1.3. Miyagi pre. Tome city
- 1-10 Tundra Swan/*Cygnus columbianus* 30
Flight call 2004.3.26. Yamagata pre. Tendo city[Kenji Yanagawa]
Flock 2003.1.28. Chiba pre. Inzai city
- 1-11 Lesser Canada Goose/*Branta hutchinsii* 32
Flock 2015.12.21. Miyagi pre. Toda-gun Misato-machi[Kenji Yanagawa]
Identity call 2009.6.4. Tokyo Taitou-ku(in cage)
- 1-12 Brent Goose/*Branta bernicla* 32
Flock 2014.1.20. Miyagi pre. Motoyosi-gun Minamisanriku-machi[Kenji Yanagawa]
Fly off 2010.1.17. Chiba pre. Funabasi city
- 1-13 Snow Goose/*Anser caerulescens* 32
Juvenile 2015.12.16. Tokyo Adachi-ku
Flock 2015.11.25. Akita pre. Minamiakita-gun Ogata-mura[Kenji Yanagawa]
- 1-14 Greater White-fronted Goose/*Anser albifrons* 34
Flock 2004.11.29. Miyagi pre. Tome city
Roost out 2014.11.24. in cage
- 1-15 Lesser White-fronted Goose/*Anser erythropus* 34
Flock 2016.2.9. Miyagi pre. Tome city[Kenji Yanagawa]
Identity call 2012.7.19. Tokyo Musashino city(in cage)
- 1-16 Swan Goose/*Anser cygnoides* 36
Identity call 2015.11.17. Tokyo Hino city(in cage)
- 1-17 Tundra Bean Goose/*Anser fabalis serrirostris* 36
Flock 2006.11.18. Miyagi pre. Osaki city

1-18 Taiga Bean Goose/*Anser fabalis middendorffii* (Species:36)
Flight call 2013.11.15. Niigata pre. Niigata city[Akira Takemori]
Flight call 2007.04.19. Hokkaido Asyoro-gun Asyoro-machi[Yukihiko Hanada]

1-19 Common Shelduck/*Tadorna tadorna* 38
Identity call 2004.12.14. Tokyo Mitaka city(in cage)

1-20 Mallard/*Anas platyrhynchos* 40
Courtship 1999.2.28. Tochigi pre. Nikko city
Female 2004.9.25. Tochigi pre. Nikko city

1-21 Spot-billed Duck/*Anas zonorhyncha* 40
Identity call 2006.12.12. Tokyo Bunkyo-ku
Courtship 2011.12.6. Tokyo Bunkyo-ku
Chick 2012.7.25. Chiba pre. Ichikawa city(in cage)

1-22 Northern Shoveler/*Anas clypeata* 40
Courtship 2010.2.19. Chiba pre. Futu city
Identity call 2003.1.12. Tokyo Katushika-ku

1-23 Common Teal/*Anas crecca* 42
Courtship 1998.3.23. Tochigi pre. Nikko city
Male(fly off) 2006.12.11. Tochigi pre. Shioya-gun Shioya-machi
Female 2006.12.11. Tochigi pre. Shioya-gun Shioya-machi

1-24 Garganey/*Anas querquedula* 42
Duet 2004.12.14. Tokyo Musashino city(in cage)

1-25 Baikal Teal/*Anas formosa* 42
Male 2004.12.14. Tokyo Musashino city(in cage)

1-26 Mandarin Duck/*Aix galericulata* 44
Female 2000.10.12. Tokyo Shibuya-ku
Flight call 2010.4.26. Hokkaido Asyoro-gun Asyoro-machi

1-27 Falcated Duck/*Anas falcata* 44
Male 2010.4.14. Fukuoka pre. Fukuoka city[Ryosuke Tanaka]
Female 2013.12.11. Tochigi pre. Tochigi city[Akira Takemori]

1-28 Gadwall/*Anas strepera* 44
Courtship 2009.11.27. Tokyo Edogawa-ku

1-29 Northern Pintail/*Anas acuta* 46
Male 1997.1.3. Miyagi pre. Tome city
Female 2006.11.18. Miyagi pre. Tome city

1-30 Eurasian Wigeon/*Anas penelope* 46
Male 2006.2.3. Kagoshima pre. Izumi city
Female 2011.4.27. Hokkaido Kitami city

1-31 Common Pochard/*Aythya ferina* 48
Courtship 2000.2.19. Tochigi pre. Nikko city
Identity call 2010.2.19. Chiba pre. Futu city

1-32 Common Goldeneye/*Bucephala clangula* 50
Female 2008.4.13. Hokkaido Asyoro-gun Asyoro-machi[Yukihiko Hanada]
Courtship 2004.12.14. Tokyo Musashino city(in cage)

1-33 Tufted Duck/*Aythya fuligula* 52
Courtship 2010.3.30. Tokyo Bunkyo-ku
Female 2014.4.10. Tokyo Bunkyo-ku

1-34 Greater Scaup/*Aythya marila* 52
Courtship 2010.2.19. Chiba pre. Futu city

Female 2010.2.19. Chiba pre. Futu city

1-35 Long-tailed Duck/*Clangula hyemalis* 54
Courtship 2016.3.8. Hokkaido Wakkanai city[Yukihiko Hanada]

1-36 Black Scoter/*Melanitta americana* 54
Courtship 2002.2.1. Hokkaido Akkishi-gun Hamanaka-cho

1-37 Smew/*Mergellus albellus* 58
Identity call 2004.12.14. Tokyo Musashino city(in cage)

1-38 Common Merganser, Goosander/*Mergus merganser* 58
Courtship 1998.3.8. Tochigi pre. Nikko city
Female 2005.6.10. Hokkaido Akkishi-gun Hamanaka-cho

1-39 Spectacled Guillemot/*Cephus carbo* 60
Courtship? 2008.7.10. Hokkaido Syari-gun Syari-machi[Yukihiko Hanada]

1-40 Japanese Murrelet/*Synthliboramphus wumizusume* 62
Near the nest(duet?) 2010.4.22. Tokyo Kozushima-mura[Yutaka Kobayashi]

1-41 Rhinoceros Auklet/*Cerorhinca monocerata* 64
Near the nest(identity call?) 2009.6.26. Hokkaido Tomamae-gun Haboro-cho
Chick 2009.6.26. Hokkaido Tomamae-gun Haboro-cho

1-42 Short-tailed Albatross/*Phoebastria albatrus* 66
Courtship? 2005.3. Tokyo Torishima is.[Yuki Watanabe]

1-43 Streaked Shearwater/*Calonectris leucomelas* 72
Colony(female) 2010.5.2. Niigata pre. Awashima is.
Colony(male) 2010.5.2. Niigata pre. Awashima is.
Colony(etc.) 2010.5.2. Niigata pre. Awashima is.

1-44 Tristram's Storm-Petrel/*Oceanodroma tristrami* 76
Colony 2012.5.9. Tokyo Kozushima-mura[Yutaka Kobayashi]

1-45 Leach's Storm-Petrel/*Oceanodroma leucorhoa* 78
Colony 2012.5.9. Tokyo Kozushima-mura[Yutaka Kobayashi]

1-46 Brown Booby/*Sula leucogaster* 82
Identity call? 2013.7.7. Tokyo Ogasawara-mura[Kenji Yanagawa]

1-47 Slaty-backed Gull/*Larus schistisagus* 86
Greeting ceremony? 2009.6.29. Hokkaido Tomamae-gun Haboro-cho

1-48 Herring Gull/*Larus argentatus* 86
Greeting ceremony? 2010.3.12. Chiba pre. Ichikawa city

1-49 Black-tailed Gull/*Larus crassirostris* 86
Flight call 1998.5.14. Yamagata pre. Sakata city
Colony 2008.6.14. Hokkaido Tomamae-gun Haboro-cho
Juvenile 2000.9.6. Chiba pre. Narashino city

1-50 Glaucous Gull/*Larus hyperboreus* 88
Flock 2002.2.2. Hokkaido Nemuro city

1-51 Common Gull/*Larus canus* 88
Identity call? 2001.7.1. U.S.A. Alaska Denali

1-52 Great Black-headed Gull/*Larus ichthyaetus* 88
Greeting ceremony? 2010.2.13. Kumamoto pre. Yatsushiro city[Ryutaro Yui]

1-53 Saunders's Gull/*Larus saundersi* 92
Identity call 2006.2.10. Kumamoto pre. Yatsushiro city

- 1-54 Black-headed Gull/*Larus ridibundus* 92
 Identity call 2000.4.5. Kanagawa pre. Kawasaki city
 Flock 2007.2.5. Tokyo Taito-ku
 Juvenile 2007.2.5. Tokyo Taito-ku
- 1-55 Common Tern/*Sterna hirundo* 100
 Colony 2008.6.2. Russia Amur Amursk[Yukihiko Hanada]
- 1-56 Little Tern/*Sterna albifrons* 100
 Colony(alarm call & intimidation) 2007.6.10. Chiba pre. Chiba city
- 1-57 Eurasian Bittern/*Botaurus stellaris* 106
 Song 2012.3.26. Saitama pre. Saitama city
- 1-58 Yellow Bittern/*Ixobrychus sinensis* 106
 Song 2007.6.11. Saitama pre. Saitama city
 Juvenile 2009.9.23. Saitama pre. Saitama city
- 1-59 Japanese Night-Heron/*Gorsachius goisagi* 108
 Song 2005.5.21. Tochigi pre. Nikko city
- 1-60 Malayan Night-Heron/*Gorsachius melanolophus* 108
 Song 2006.4.25. Okinawa pre. Ishigaki city
- 1-61 Black-crowned Night-Heron/*Nycticorax nycticorax* 108
 Roost in 2014.4.1. Saitama pre. Saitama city
- 1-62 Striated Heron/*Butorides striatus* 108
 Colony(high voice) 2011.5.20. Okayama pre. Okayama city
 Colony(low voice) 2011.5.20. Okayama pre. Okayama city
- 1-63 Little Egret/*Egretta garzetta* 110
 During conflict 1999.10.25. Chiba pre. Narashino city
 Colony 2007.8.20. Chiba pre. Shirai city
- 1-64 Intermediate Egret/*Ardea intermedia* 110
 Identity call 2009.10.4. Ibaragi pre. Higashiibaragi-gun Ooarai-cho[Akira Takemori]
 Colony 2007.8.20. Chiba pre. Shirai city
- 1-65 Great Egret/*Ardea alba* 112
 Identity call 1998.9.4. Chiba pre. Narashino city
 During conflict 2013.9.20. Chiba pre. Funabashi city
- 1-66 Grey Heron/*Ardea cinerea* 112
 Identity call 2014.4.25. Chiba pre. Matsudo city
 Juvenile 2014.4.25. Chiba pre. Matsudo city
 Colony 2008.5.8. Tokyo Hino city
- 1-67 Oriental Stork/*Ciconia boyciana* 114
 Cluttering 2008.5.8. Tokyo Hino city(in cage)
 Cluttering 2008.5.8. Tokyo Hino city(in cage)
- 1-68 Crested Ibis/*Nipponia nippon* 116
 Identity call 2015.9.24. Niigata pre. Sado is.[Kenji Yanagawa]
 Flock 2015.9.26. Niigata pre. Sado is.[Kenji Yanagawa]
 Female & male 2008.8.8. Tokyo Hino city(in cage)
- 1-69 Hooded Crane/*Grus monacha* 118
 Duet 2005.2.6. Yamaguchi pre. Shunan city
 Flight call 2005.2.3. Kagoshima pre. Izumi city
- 1-70 Red-crowned Crane/*Grus japonensis* 120
 Duet 2002.1.13. Hokkaido Akan-gun Turui-mura
 Juvenile 2002.1.13. Hokkaido Akan-gun Turui-mura

- 1-71 Siberian Crane/*Grus leucogeranus* 120
Duet 2015.11.17. Tokyo Hino city(in cage)
- 1-72 White-naped Crane/*Grus vipio* 120
Duet 2005.2.3. Kagoshima pre. Izumi city
Flight call 2005.2.3. Kagoshima pre. Izumi city
- 1-73 Common Coot/*Fulica atra* 122
Song? 2011.12.11. Saitama pre. Saitama city
Identity call 2009.11.25. Tokyo Edogawa-ku
Intimidation(cluttering) 2010.3.29. Chiba pre. Matsudo city
- 1-74 Common Moorhen/*Gallinula chloropus* 122
Identity call 2003.1.12. Tokyo Katushika-ku
Identity call 2011.7.8. Tokyo Musashino city
Alarm call? 2009.7.17. Tokyo Itabashi-ku
Juvenile 2005.7.8. Nagano pre. Kitasaku-gun Karuizawa-machi
- 1-75 Water Rail/*Rallus aquaticus* 124
Song 2005.6.6. Hokkaido Akkishi-gun Hamanaka-cho
Song 2007.4.8. Chiba pre. Inba-gun Sakae-machi
Song? 2010.4.5. Hyogo pre. Kakogawa city
Identity call? 2009.10.23. Tokyo Edogawa-ku
Identity call? 2010.11.18. Tokyo Itabashi-ku
Identity call? 2012.12.27. Saitama pre. Saitama city
- 1-76 Ruddy-breasted Crake/*Porzana fusca* 124
Song 2010.4.9. Hyogo pre. Kakogawa city
- 1-77 Swinhoe's Rail/*Coturnicops exquisitus* 124
Song? 1982.5.15. Tokyo Ota-ku(in cage)[Yasuji Horikosi]
- 1-78 Okinawa Rail/*Gallirallus okinawae* 126
Duet 2009.4.16. Okinawa pre. Kunigami-gun Kunigami-son
Identity call 2016.3.24. Okinawa pre. Kunigami-gun Kunigami-son[Kenji Yanagawa]
- 1-79 Slaty-legged Crake/*Rallina eurizonoides* 126
Song 2016.3.15. Okinawa pre. Ishigaki city[Izumi Mita]
- 1-80 White-breasted Waterhen/*Amauornis phoenicurus* 126
Song 2009.4.16. Okinawa pre. Kunigami-gun Kunigami-son
During conflict 2006.4.25. Okinawa pre. Ishigaki city
- 1-81 Eurasian Oystercatcher/*Haematopus ostralegus* 128
Flock 2015.10.30. Chiba pre. Funabashi city
- 1-82 Little Ringed Plover/*Charadrius dubius* 130
Courtship Flight 2007.6.8. Saitama pre. Misato city
During conflict 2014.4.24. Chiba pre. Matsudo city
- 1-83 Long-billed Plover/*Charadrius placidus* 130
Courtship Flight 2001.5.21. Tochigi pre. Nikko city
- 1-84 Kentish Plover/*Charadrius alexandrinus* 130
Identity call 2013.6.17. Yamagata pre. Sakata city [Kenji Yanagawa]
Flock 2008.6.19. Chiba pre. Chiba city
Intimidation 2011.6.9. Chiba pre. Chiba city
- 1-85 Mongolian Plover/*Charadrius mongolus* 132
Flock 2010.9.14. Chiba pre. Funabashi city
- **Disc-2**
- 2-01 Pacific Golden-Plover/*Pluvialis fulva* 134
Flock 2014.4.25. Chiba pre. Matsudo city

- 2-02 Grey Plover/*Pluvialis squatarola* 134
Flock 2008.9.27. Chiba pre. Funabashi city
- 2-03 Northern Lapwing/*Vanellus vanellus* 134
Fly off 2015.11.28. Chiba pre. Matsudo city
Flock 2006.2.9. Kagoshima pre. Izumi city
- 2-04 Grey-headed Lapwing/*Vanellus cinereus* 134
Intimidation 2012.5.30. Hyogo pre. Akashi city
- 2-05 Red-necked Stint/*Calidris ruficollis* 136
Flock 2008.9.27. Chiba pre. Funabashi city
- 2-06 Dunlin/*Calidris alpina* 140
Flock 2012.4.29. Chiba pre. Narashino city
- 2-07 Sanderling/*Calidris alba* 140
Flock 2008.1.6. Chiba pre. Funabashi city
- 2-08 Great Knot/*Calidris tenuirostris* 142
Flock 2004.9.23. Chiba pre. Funabashi city
- 2-09 Oriental Pratincole/*Glareola maldivarum* 144
Alarm call 2011.5.16. Niigata pre. Awashima is.
- 2-10 Wood Sandpiper/*Tringa glareola* 146
Flock 2013.8.16. Miyagi pre. Watari-gun Watati-machi[Kenji Yanagawa]
- 2-11 Common Sandpiper/*Actitis hypoleucos* 148
Identity call 2009.10.31. Tokyo Edogawa-ku
Alarm call 2003.6.16. Tochigi pre. Nikko city
- 2-12 Spotted Sandpiper/*Actitis macularius* 148
Flock 2001.7.1. U.S.A. Alaska Anchorage
- 2-13 Terek Sandpiper/*Xenus cinerea* 148
Flock 2001.9.14. Chiba pre. Narashino city
- 2-14 Ruddy Turnstone/*Arenaria interpres* 148
Flock 2004.5.6. Chiba pre. Narashino city
- 2-15 Common Greenshank/*Tringa nebularia* 152
Fly off 2006.11.8. Tokyo Edogawa-ku
Identity call 2015.10.12. Tokyo Edogawa-ku
- 2-16 Grey-tailed Tattler/*Tringa brevipes* 152
Flock 2015.9.4. Chiba pre. Narashino city
- 2-17 Bar-tailed Godwit/*Limosa lapponica* 154
Flock 2013.9.20. Chiba pre. Funabashi city
- 2-18 Eurasian Curlew/*Numenius arquata* 156
Identity call 2000.9.6. Chiba pre. Narashino city
- 2-19 Far Eastern Curlew/*Numenius madagascariensis* 156
Identity call 2011.9.24. Hokkaido Tokoro-gun Saroma-cho[Yukihiko Hanada]
- 2-20 Whimbrel/*Numenius phaeopus* 158
Flight call 2000.9.6. Chiba pre. Narashino city
Flock 2012.4.30. Chiba pre. Narashino city
- 2-21 Common Snipe/*Gallinago gallinago* 160
Flight call 2014.4.25. Chiba pre. Matsudo city
- 2-22 Latham's Snipe/*Gallinago hardwickii* 160

Courtship flight 2011.5.25. Tochigi pre. Nikko city
 Fly off 2015.4.19. Yamagata pre. Yamagata city[Kenji Yanagawa]

2-23 Solitary Snipe/*Gallinago solitaria* 162
 Fly off 2012.11.24. Nagano pre. Kitaazumi-gun Hakuba-mura[Akira Takemori]

2-24 Eurasian Woodcock/*Scolopax rusticola* 162
 Courtship flight 2009.6.28. Hokkaido Tomamae-gun Haboro-cho
 During conflict? 2007.4.22. Hokkaido Abashiri-gun Koshimizu-cho[Yukihiko Hanada]

2-25 Amami Woodcock/*Scolopax mira* 162
 Song 2013.4.13. Kagoshima pre. Amami is.[Takabumi Imura]

2-26 Greater Painted-snipe/*Rostratula benghalensis* 162
 Song(female) 2012.5.29. Hyogo pre. Kakogawa city

2-27 Black-winged Stilt/*Himantopus himantopus* 164
 Flock 2009.5.1. Chiba pre. Narashino city

2-28 Pied Avocet/*Recurvirostra avosetta* 164
 Flock 2010.7.14. Tokyo Taito-ku(in cage)

2-29 Red Phalarope/*Phalaropus fulicarius* 164
 Flock 2012.4.6. Miyagi pre. Sendai city[Kenji Yanagawa]

2-30 Osprey/*Pandion haliaetus* 166
 Identity call? 2010.5.6. Fukuoka pre. Itoshima city[Ryosuke Tanaka]
 Flight call 2005.12.3. Sizuoka pre. Ito city

2-31 White-tailed Eagle/*Haliaeetus albicilla* 166
 Identity call? 2015.2.14. Hokkaido Menashi-gun Rausu-cho[Kenji Yanagawa]
 Identity call? 2015.11.17. Tokyo Hino city(in cage)

2-32 Steller's Sea-Eagle/*Haliaeetus pelagicus* 166
 Identity call? 2006.1.1. Tochigi pre. Nikko city
 Duet 2015.1.20. Fukuoka pre. Fukuoka city(in cage)[Ryosuke Tanaka]

2-33 Golden Eagle/*Aquila chrysaetos* 168
 Identity call? 2015.11.17. Tokyo Hino city(in cage)

2-34 Greater Spotted Eagle/*Aquila clanga* 168
 Identity call? 2010.2.12. Kagoshima pre. Satsuma-sendai city[Ryutaro Yui]

2-35 Mountain Hawk-Eagle/*Nisaetus nipalensis* 170
 Flight call 2014.9.15. Yamagata pre. Murayama-gun Tanabe-cho[Kenji Yanagawa]
 Female? 2014.5.26. Tochigi pre. Nikko city

2-36 Ryukyu Serpent-Eagle/*Spilornis cheela* 170
 Identity call? 2006.4.25. Okinawa pre. Ishigaki city

2-37 Oriental Honey-buzzard/*Pernis ptilorhynchus* 172
 Identity call? 2015.7.24. Iwate pre. Tono city[Kenji Yanagawa]

2-38 Black-eared Kite/*Milvus migrans* 172
 Song? 2010.5.5. Niigata pre. Awashima is.
 Intimidation(vs. Large-billed Crow) 2010.5.2. Niigata pre. Awashima is.

2-39 Grey-faced Buzzard/*Butastur indicus* 172
 Identity call 2007.7.7. Tochigi pre. Nikko city

2-40 Rough-legged Hawk/*Buteo lagopus* 174
 Alarm call 2001.6.24. Russia Sakhalin Kuril Islands

2-41 Common Buzzard, Eastern Buzzard/*Buteo buteo japonicus* 174
 Identity call 2008.7.14. Tochigi pre. Nikko city

Flight call 2008.8.9. Tochigi pre. Nikko city
Courtship flight 2009.4.26. Tochigi pre. Nikko city
Alarm call 1998.4.5. Tochigi pre. Nikko city
Juvenile 2015.7.19. Tochigi pre. Nikko city

2-42 Bonin Buzzard(Race of Ogasawara islands)/*Buteo buteo toyoshimai*(Species:174)
Flight call 2013.7.6. Tokyo Ogasawara islands[Kenji Yanagawa]

2-43 Eastern Marsh-Harrier/*Circus spilonotus* 176
Courtship flight 2013.4.4. Chiba pre. Inzai city[Akira Takemori]

2-44 Northern Goshawk/*Accipiter gentilis* 178
Alarm call(female) 2015.5.6. Tokyo Itabashi-ku
Identity call(male) 2015.4.12. Yamagata pre. Murayama-gun Nakayama-cho[Kenji Yanagawa]
Mating 2016.3.21. Tokyo Itabashi-ku
Juvenile 2007.7.31. Tokyo Shibuya-ku

2-45 Eurasian Sparrowhawk/*Accipiter nisus* 178
Identity call 2015.11.1. Yamagata pre. Sakata city [Kenji Yanagawa]

2-46 Japanese Sparrowhawk/*Accipiter gularis* 178
Duet 2013.6.27. Tokyo Bunkyo-ku
Mating 2013.6.6. Tokyo Bunkyo-ku
Juvenile 2013.8.3. Tokyo Bunkyo-ku

2-47 Peregrine Falcon/*Falco peregrinus* 180
Duet 2013.5.8. Niigata pre. Awashima is.
Alarm call(vs. Large-billed Crow) 2009.11.19. Miyagi pre. Oosaki city
Intimidation(vs. Large-billed Crow) 2010.4.26. Hokkaido Kitami city

2-48 Eurasian Hobby, Northern Hobby/*Falco subbuteo* 180
Intimidation(vs. Large-billed Crow) 2012.6.15. Yamagata pre. Tendo city
Identity call 2014.6.1. Yamagata pre. Tendo city[Kenji Yanagawa]

2-49 Common Kestrel, Eurasian Kestrel/*Falco tinnunculus* 182
Mating(duet) 2013.3.23. Yamagata pre. Tendo city
Intimidation(vs. Large-billed Crow) 2009.9.18. Saitama pre. Saitama city

2-50 Eurasian Eagle-Owl/*Bubo bubo* 186
Song 1993.3.15. Hokkaido North Area[Yukihiko Hanada]

2-51 Blakiston's Fish-Owl/*Ketupa blakistoni* 186
Song(duet) 2010.3.24. Hokkaido Center Area

2-52 Long-eared Owl/*Asio otus* 188
Song 2013.3.22. Yamagata pre. Tendo city
Song & wing clap 2013.3.22. Yamagata pre. Tendo city
Identity call(female) 2013.3.22. Yamagata pre. Tendo city
Juveniles 2012.6.14. Yamagata pre. Tendo city

2-53 Ural Owl(Momiyama's Owl)/*Strix uralensis momiyamae* 188
Song 2011.5.25. Tochigi pre. Nikko city
Song? 2012.5.6. Tochigi pre. Nikko city
Male 2015.7.12. Tochigi pre. Nikko city
Female 2010.8.19. Tochigi pre. Nikko city
Song(female) 2015.7.13. Tochigi pre. Nikko city
Chick 2014.5.18. Chiba pre. Abiko city
Juvenile 2006.7.7. Nagano pre. Kitasaku-gun Karuizawa-machi

2-54 Ezo Ural Owl(Race of Hokkaido)/*Strix uralensis japonica* (Species:188)
Song 2011.4.24. Hokkaido Asyoro-gun Asyoro-machi
Song? 2011.4.26. Hokkaido Asyoro-gun Asyoro-machi

2-55 Kyushu Ural Owl(Race of Kyusyu)/*Strix uralensis fuscescens* (Species:188)
Song 2004.4.24. Fukuoka pre. Fukuoka city[Ryosuke Tanaka]

- 2-56 Oriental Scops-Owl/*Otus sunia* 190
 Song 2010.5.22. Tochigi pre. Nikko city
 Song(one less sound) 2013.5.23. Tottori pre. Yazu-gun Yazu-cho
 Female? 2011.5.21. Tochigi pre. Nikko city
- 2-57 Elegant Scops-Owl/*Otus elegans* 190
 Song 2009.4.16. Okinawa pre. Nago city
 Female 2007.4.22. Kagoshima pre. Amami is.
 Duet 2006.4.24. Okinawa pre. Ishigaki city
- 2-58 Japanese Scops-Owl, Collared Scops Owl/*Otus lempiji semitorques* 190
 Song 2014.4.26. Tochigi pre. Nikko city
 Identity call(male?) 2014.4.26. Tochigi pre. Nikko city
 Identity call(female?) 2013.5.21. Tottori pre. Yazu-gun Yazu-cho
 Intimidation(cluttering) 2012.3.28. Chiba pre. Ichikawa city(in cage)
 Juvenile? 2014.4.26. Tochigi pre. Nikko city
- 2-59 Pryer's Scops-Owl(Race of Nansei Islands)/*Otus lempiji pryeri* (Species:190)
 Identity call 2016.3.23. Okinawa pre. Kunigami-gun Kunigami-son[Kenji Yanagawa]
- 2-60 Boreal Owl, Tengmalm's Owl/*Aegolius funereus* 190
 Song 2003.5.10. Hokkaido Kato-gun Shikaoi-cho[Yukihiko Hanada]
- 2-61 Brown Boobook/*Ninox scutulata japonica* 190
 Song 2012.5.13. Niigata pre. Awashima is.
 Song 2006.6.13. Tokyo Miyake is.
 Song 2010.5.4. Niigata pre. Awashima is.
- 2-62 Ryukyu Brown Hawk-Owl(Race of Nansei Islands)/*Ninox scutulata totogo* (Species:190)
 Song 2009.4.16. Okinawa pre. Nago city
- 2-63 Rock Ptarmigan/*Lagopus muta* 192
 Song 2008.5.15. Toyama pre. Nakaniikawa-gun Tateyama-machi
 Identity call(female) 2008.5.15. Toyama pre. Nakaniikawa-gun Tateyama-machi
- 2-64 Hazel Grouse/*Tetrastes bonasia* 192
 Song 2011.4.26. Hokkaido Asyoro-gun Asyoro-machi
- 2-65 Barred Buttonquail/*Turnix suscitator* 194
 Song(female) 2003.3.29. Okinawa pre. Ishigaki city
- 2-66 Japanese Quail/*Coturnix japonica* 194
 Song 2002.9.11. Tokyo Hino city(in cage)
- 2-67 Chinese Bamboo-Partridge/*Bambusicola thoracicus* 194
 Song(duet) 2011.2.10. Kanagawa pre. Yokohama city
 Alarm call? 2009.3.18. Shizuoka pre. Ito city
 Unknown 2005.8.1. Tochigi pre. Nikko city
- 2-68 Japanese Green Pheasant/*Phasianus colchicus tohkaidi* 196
 Song 2009.4.28. Hyogo pre. Akashi city
 Song? 2002.3.10. Tochigi pre. Tochigi city & Fujioka-cho etc.
 During conflict 2005.10.15. Tochigi pre. Nikko city
 Female 2009.9.22. Saitama pre. Saitama city
 Juvenile 2015.10.3. Tochigi pre. Nikko city
- 2-69 Ring-necked Pheasant/*Phasianus colchicus karpowi* 196
 Song 2005.5.19. Korea Keisyu[Ranko Matsuda]
- 2-70 Copper Pheasant/*Syrnaticus soemmerringii* 196
 Drumming of wings 2009.4.10. Kanagawa pre. Sagami-hara city
 Identity call(male) 2011.6.5. Hyogo pre. Mikata-gun Kami-cho
 Intimidation?(male) 2009.6.9. Fukuoka pre. Itoshima city[Ryosuke Tanaka]

- 2-71 Black Wood-Pigeon/*Columba janthina* 198
 Song 2007.5.27. Tokyo Miyake is.
 Identity call? 2015.4.30. Yamagata pre. Sakata city [Kenji Yanagawa]
- 2-72 Oriental Turtle-Dove/*Streptopelia orientalis orientalis* 200
 Song 2012.7.13. Tokyo Akiruno city
 Courtship?(male) 2004.7.19. Tokyo Bunkyo-ku
- 2-73 Ryukyu Turtle-Dove(Race of Nansei Islands)/*Streptopelia orientalis stimpsoni* (Species:200)
 Song 2006.4.25. Okinawa pre. Ishigaki city
- 2-74 Eurasian Collared-Dove/*Streptopelia decaocto* 200
 Song 2007.6.8. Saitama pre. Misato city
- 2-75 Spotted Dove/*Streptopelia chinensis* (Species under consideration/Not yet posted)
 Song 2007.12.1. Taiwan Kinmon is.
- 2-76 White-bellied Green-Pigeon/*Treron sieboldii* 200
 Song 2012.5.21. Tochigi pre. Nikko city
- 2-77 Whistling Green-Pigeon/*Treron formosae* 200
 Song 2003.3.28. Okinawa pre. Ishigaki city
- 2-78 Rock Pigeon/*Columba livia var. domestica* 200
 Song 1996.8.12. Tochigi pre. Nikko city
 Flock 2007.4.29. Tokyo Setagaya-ku

■ Disc-3

- 3-01 Common Cuckoo, Eurasian Cuckoo/*Cuculus canorus* 202
 Song 2010.6.26. Tochigi pre. Nikko city
 Female? 2008.6.13. Hokkaido Tesio-gun Toyotomi-cho
- 3-02 Oriental Cuckoo/*Cuculus optatus* 202
 Song 2008.6.12. Hokkaido Tesio-gun Toyotomi-cho
- 3-03 Indian Cuckoo/*Cuculus micropterus* 202
 Song 2010.5.4. Niigata pre. Awashima is.
 Song 2008.6.6. Russia Amur Amursk[Yukihiko Hanada]
- 3-04 Lesser Cuckoo/*Cuculus poliocephalus* 202
 Song 2015.7.14. Tochigi pre. Nikko city
- 3-05 Northern Hawk Cuckoo/*Cuculus hyperythrus* 202
 Song 2006.5.16. Tochigi pre. Nikko city
 Song 2010.6.6. Hyogo pre. Mikata-gun Kami-cho
- 3-06 Grey Nightjar/*Caprimulgus indicus* 204
 Song 2009.7.13. Yamanashi pre. Minamituru-gun Narusawa-mura
 Song 2009.7.14. Yamanashi pre. Minamituru-gun Narusawa-mura
 Identity call(female?) 2016.6.18. Tochigi pre. Shiobara city
- 3-07 House Swift/*Apus nipalensis* 204
 Flight call 2011.7.31. Tokyo Tiyoda-ku
- 3-08 Pacific Swift/*Apus pacificus* 204
 Flight call 1998.6.1. Tochigi pre. Nikko city
- 3-09 Crested Kingfisher/*Megaceryle lugubris lugubris* 206
 Identity call 2014.06.17. Yamagata pre. Tsuruoka city[Kenji Yanagawa]
- 3-10 Eezo Crested Kingfisher(Race of Hokkaido)/*Megaceryle lugubris pallida* (Species:206)
 Identity call(male) 2010.3.25. Hokkaido Central Area
- 3-11 Ruddy Kingfisher/*Halcyon coromanda major* 206
 Song(long gap) 2007.6.3. Gunma pre. Numata city

- Song(short gap) 2014.7.2. Yamagata pre. Tsuruoka city
 Fly off 2013.5.22. Tottori pre. Yazu-gun Yazu-cho
 Intimidation 2012.7.22. Oamori pre. Nishitugaru-gun Fukaura-cho[Akira Takemori]
- 3-12 Ryukyu Ruddy Kingfisher(Race of Nansei Islands)/*Halcyon coromanda bangsi* (Species:206)
 Song 2006.4.25. Okinawa pre. Ishigaki city
- 3-13 Collared Kingfisher/*Todiramphus chloris* 206
 Identity call 2008.10.15. Australia Cairns
- 3-14 Common Kingfisher/*Alcedo atthis* 208
 Identity call 2010.2.8. Tokyo Bunkyo-ku
- 3-15 Dollarbird/*Eurystomus orientalis* 208
 Courtship? 2013.5.22. Okayama pre. Kaga-gun Kibichuo-cho
- 3-16 Eurasian Hoopoe/*Upupa epops* 208
 Song 2009.5.15. Tokyo Bunkyo-ku
- 3-17 Japanese Woodpecker, Japanese Green Woodpecker/*Picus awokera* 210
 Drumming 2009.3.18. Shizuoka pre. Ito city
 Identity call(male) 2007.6.3. Tochigi pre. Nikko city
 Voice of breeding season(male) 2009.4.10. Kanagawa pre. Sagamihara city
 Alarm call(male,vs. Common Buzzard) 2001.4.14. Tochigi pre. Nikko city
 Identity call(female) 2011.11.1. Tochigi pre. Nikko city
- 3-18 Grey-faced Woodpecker/*Picus canus* 210
 Voice of breeding season(male) 1992.6.3. Hokkaido Abashiri-gun Tsubetu-cho[Yukihiko Hanada]
- 3-19 Black Woodpecker/*Dryocopus martius* 210
 Identity call 2011.4.26. Hokkaido Asyoro-gun Asyoro-machi
- 3-20 Eurasian Wryneck/*Jynx torquilla* 210
 Song 2014.7.17. Yamagata pre. Sakata city
 Song?(nonbreeding season) 2007.11.4. Tokyo Edogawa-ku
- 3-21 White-backed Woodpecker/*Dendrocopos leucotos stejnegeri* 212
 Drumming 2016.4.1. Tochigi pre. Nikko city
 Identity call 2007.5.12. Tochigi pre. Nikko city
- 3-22 Ezo White-backed Woodpecker(Race of Hokkaido)/*Dendrocopos leucotos subcirris* (Species:212)
 Drumming 2010.3.25. Hokkaido Center Area
- 3-23 Owston's White-backed Woodpecker(Race of Amami is.)/*Dendrocopos leucotos owstoni*
 (Species:212)
 Drumming 2007.4.22. Kagoshima pre. Amami is.
- 3-24 Great Spotted Woodpecker/*Dendrocopos major hondoensis* 212
 Drumming 2005.2.12. Tochigi pre. Nikko city
 Identity call 2012.5.21. Tochigi pre. Nikko city
 During conflict (male) 2005.2.12. Tochigi pre. Nikko city
 Chick 1999.6.13. Tochigi pre. Nikko city
- 3-25 Ezo Great Spotted Woodpecker(Race of Hokkaido)/*Dendrocopos major japonicus* (Species:212)
 Drumming 2011.4.25. Hokkaido Asyoro-gun Asyoro-machi
- 3-26 Okinawa Woodpecker/*Sapheopipo noguchii* 212
 Drumming 2009.4.16. Okinawa pre. Kunigami-gun Kunigami-son
 Identity call 2009.4.16. Okinawa pre. Kunigami-gun Kunigami-son
- 3-27 Pygmy Woodpecker/*Dendrocopos kizuki nippon* 214
 Drumming 2007.3.24. Tochigi pre. Nikko city
 Identity call 1998.3.23. Tochigi pre. Nikko city
 Voice of breeding season 1998.5.6. Tochigi pre. Nikko city
 Juvenile 2008.8.19. Tokyo Bunkyo-ku

- 3-28 Hargitt's Pygmy Woodpecker(Race of Hokkaido)/*Dendrocopos kizuki seebohmi* (Species:214)
Drumming & identity call 2011.4.26. Hokkaido Asyoro-gun Asyoro-machi
- 3-29 Matsudaira's Pygmy Woodpecker(Race of Miyake is.)/*Dendrocopos kizuki matsudairai* (Species:214)
Drumming 2007.5.28. Tokyo Miyake is.
- 3-30 Amami Pygmy Woodpecker(Race of Amami is.)/*Dendrocopos kizuki amamii* (Species:214)
Identity call 2007.4.22. Kagoshima pre. Amami is.
- 3-31 Lesser Spotted Woodpecker/*Dendrocopos minor* 214
Alarm call(vs. human) 2007.10.25. Hokkaido Nemuro city[Akira Takemori]
- 3-32 Fairy Pitta/*Pitta nympha* 214
Song 2007.5.27. Kochi pre. Shimanto city[Yukihiko Hanada]
- 3-33 Eurasian Sky Lark/*Alauda arvensis japonica* 216
Song 2007.4.6. Chiba pre. Narashino city
Fly off 2009.9.18. Saitama pre. Saitama city
- 3-34 Blakiston's Skylark(Race of Russia Primorye)/*Alauda arvensis pekinensis* (Species:216)
Fly off 2001.6.26. Russia Sakhalin Kuril Islands
- 3-35 Asian House-Martin/*Delichon dasypus* 218
Colony 2011.7.15. Tochigi pre. Nikko city
Chick 2007.8.12. Tochigi pre. Nikko city
- 3-36 Sand Martin/*Riparia riparia* 218
Colony 2005.6.11. Hokkaido Nakagawa-gun Ikeda-cho[Yukihiko Hanada]
- 3-37 Red-rumped Swallow/*Hirundo daurica* 218
Song 2013.5.21. Yamagata Pre. Tsuruoka city[Kenji Yanagawa]
Identity call 2007.7.25. Tokyo Hino city
- 3-38 Pacific Swallow/*Hirundo tahitica* 218
Identity call 2009.4.16. Okinawa pre. Naha city
Chick 2007.4.23. Kagoshima pre. Amami is.
- 3-39 Barn Swallow/*Hirundo rustica* 218
Song 2010.5.4. Niigata pre. Awashima is.
Alarm call 2009.4.10. Kanagawa pre. Aiko-gun Kiyokawa-mura
Chick 2008.7.20. Tokyo Toshima-ku
- 3-40 Yellow Wagtail/*Motacilla flava* 220
Identity call 2008.6.11. Hokkaido Tesio-gun Toyotomi-cho
- 3-41 Grey Wagtail/*Motacilla cinerea* 220
Song 1998.3.30. Tochigi pre. Nikko city
Identity call 1998.5.29. Tochigi pre. Nikko city
- 3-42 White Wagtail/*Motacilla alba lugens* 222
Identity call 2013.1.1. Saitama pre. Saitama city
Song(complexity) 2014.4.10. Tokyo Bunkyo-ku
Song(short version) 2007.4.10. Kanagawa pre. Miura city
Song(near nest,Alarm call?) 2005.7.1. Tochigi pre. Nikko city
Song(repeat same syllable) 2009.10.18. Tochigi pre. Nikko city
Roost in 2001.9.29. Tochigi pre. Nikko city
- 3-43 White-faced Wagtail(Race of Taiwan & Korea etc.)/*Motacilla alba leucopsis* (Species:222)
Identity call 2007.12.2. Taiwan Kinmon is.
- 3-44 Japanese Wagtail/*Motacilla grandis* 222
Song(repeat same syllable) 1997.6.7. Tochigi pre. Nikko city
Song(complexity) 2013.4.5. Ibaragi pre. Hokota city
Subsong 2006.12.11. Tochigi pre. Shioya-gun Shioya-machi

Identity call 2010.4.9. Hyogo pre. Akashi city

3-45 Olive-backed Pipit/*Anthus hodgsoni hodgsoni* 226
Song(long version) 2009.7.14. Yamanashi pre. Minamituru-gun Nurusawa-mura
Song(short version) 1997.6.24. Tochigi pre. Nikko city
Alarm call(vs. human) 2011.6.11. Tochigi pre. Nikko city[Akira Takemori]
Fly off 2004.2.26. Saitama pre. Hiki-gun Namekawa-cho

3-46 Yunnan Tree Pipit(Race of Northeastern Eurasia)/*Anthus hodgsoni yunnanensis* (Species:226)
Song 2001.6.29. Russia Kamchatka

3-47 Buff-bellied Pipit/*Anthus rubescens* 226
Identity call 2016.3.23. Okinawa pre. Kunigami-gun Kunigami-son[Kenji Yanagawa]
Alarm call? 2005.2.3. Kagoshima pre. Izumi city

3-48 Water Pipit/*Anthus spinoletta* 226
Identity call 2003.12.31. Chiba pre. Funabashi city
Song 2014.4.25. Chiba pre. Matsudo city

3-49 Ashy Minivet/*Pericrocotus divaricatus divaricatus* 228
Song? 2007.5.12. Tochigi pre. Nikko city

3-50 Ryukyu Minivet(Race of Nansei Islands & etc.)/*Pericrocotus divaricatus tegimae* (Species:228)
Song 2007.4.24. Kagoshima pre. Amami is.

3-51 Light-vented Bulbul/*Pycnonotus sinensis* 228
Song 2006.4.25. Okinawa pre. Ishigaki city
Identity call 2006.4.22. Okinawa pre. Ishigaki city

3-52 Brown-eared Bulbul/*Hypsipetes amaurotis amaurotis* 228
Song?(repeat same syllable) 2012.6.23. Tokyo Bunkyo-ku
Song?(complexity) 2010.5.22. Tochigi pre. Nikko city
Identity call 2015.11.21. Tochigi pre. Nikko city
Flock 2012.5.13. Niigata pre. Awashima is.
Juvenile 2002.8.12. Tochigi pre. Nikko city

3-53 Amami Brown-eared Bulbul(Race of Amami is.)/*Hypsipetes amaurotis ogawae* (Species:228)
Identity call 2007.4.22. Kagoshima pre. Amami is.

3-54 Okinawa Brown-eared Bulbul(Race of Okinawa)/*Hypsipetes amaurotis pryeri* (Species:228)
Identity call 2009.4.16. Okinawa pre. Kunigami-gun Kunigami-son

3-55 Ishigaki Brown-eared Bulbul(Race of Ishigaki is.)/*Hypsipetes amaurotis stejnegeri* (Species:228)
Song? 2003.3.28. Okinawa pre. Ishigaki city
Identity call 2003.3.28. Okinawa pre. Ishigaki city

3-56 Bull-headed Shrike/*Lanius bucephalus* 230
Territorysong(nonbreeding season) 2009.10.4. Saitama pre. Saitama city
Subsong 2010.10.2. Saitama pre. Saitama city
Subsong(mimicry of Grey-capped Greenfinch) 1997.10.13. Tochigi pre. Nikko city
Subsong(mimicry of Japanese Bush-Warbler) 1997.10.13. Tochigi pre. Nikko city
Territorysong(breeding season) 2016.5.15. Tochigi pre. Nikko city
Alarm call 1997.7.16. Tochigi pre. Nikko city

3-57 Tiger Shrike/*Lanius tigrinus* 230
Alarm call 2015.6.25. Yamagata pre. Sakata city [Kenji Yanagawa]
Song 2015.5.23. Yamagata pre. Sakata city [Kenji Yanagawa]

3-58 Brown Shrike/*Lanius cristatus* 230
Song? 1990.7.28. Hokkaido Kitami city[Yukihiko Hanada]

3-59 Japanese Waxwing/*Bombycilla japonica* 232
Identity call 2007.3.31. Tochigi pre. Utsunomiya city

3-60 Bohemian Waxwing/*Bombycilla garrulus* 232

Flock 2010.11.28. Tochigi pre. Nikko city

3-61 Brown Dipper/*Cinclus pallasii* 234

Identity call 2007.2.17. Tochigi pre. Nikko city

Song 2011.1.25. Fukuoka pre. Fukuoka city[Ryosuke Tanaka]

3-62 Winter Wren/*Troglodytes troglodytes fumigatus* 234

Song 2006.3.20. Tochigi pre. Nikko city

Identity call 2007.3.24. Tochigi pre. Nikko city

Alarm call 2016.4.1. Tochigi pre. Nikko city

Juvenile 2007.6.4. Tochigi pre. Nikko city

3-63 Hachijo Wren(Race of Izu islands)/*Troglodytes troglodytes mosukei* (Species:234)

Song 2006.6.13. Tokyo Miyake is.

Alarm call 2007.5.27. Tokyo Miyake is.

3-64 Alpine Accentor/*Prunella collaris* 234

Song(long version) 2013.6.7. Yamagata pre. Kminoyama city

Song(short version) 2013.6.7. Yamagata pre. Kminoyama city

Song? 2013.6.7. Yamagata pre. Kminoyama city

Identity call 2013.6.7. Yamagata pre. Kminoyama city

3-65 Japanese Accentor/*Prunella rubida* 234

Song 2008.5.15. Toyama pre. Nakaniikawa-gun Tateyama-machi

Identity call(breeding season) 2008.5.16. Toyama pre. Nakaniikawa-gun Tateyama-machi

Identity call(nonbreeding season) 2006.2.11. Nagano pre. Kitasaku-gun Karuizawa-machi

3-66 Siberian Accentor/*Prunella montanella* 234

Identity call 2015.10.31. Yamagata pre. Sakata city [Kenji Yanagawa]

■ Disc-4

4-01 Japanese Robin/*Luscinia akahige akahige* 236

Song 2006.7.23. Gunma pre. Tone-gun Katashina-mura

Subsong(on the migration) 1998.4.19. Tokyo Bunkyo-ku

4-02 Pale Japanese Robin(Race of Izu Islands)/*Luscinia akahige tanensis* (Species:236)

Song 2006.6.13. Tokyo Miyake is.

4-03 Ryukyu Robin/*Luscinia komadori komadori* 236

Song 2007.4.24. Kagoshima pre. Amami is.

4-04 Stejneger's Robin(Race of Okinawa is.)/*Luscinia komadori namiyei* (Species:236)

Song 2003.3.29. Okinawa pre. Kunigami-gun Kunigami-son

4-05 Rufous-tailed Robin/*Luscinia sibilans* 236

Song 2011.5.15. Niigata pre. Awashima is.

4-06 Siberian Rubythroat/*Luscinia calliope* 236

Song 2009.6.28. Hokkaido Tomamae-gun Haboro-cho

Song 2005.6.7. Hokkaido Akkishi-gun Hamanaka-cho

Identity call 2009.6.29. Hokkaido Tomamae-gun Haboro-cho

4-07 Siberian Blue Robin/*Luscinia cyane* 238

Song 2010.6.25. Tochigi pre. Nikko city

Alarm call 2004.7.11. Tochigi pre. Nikko city

4-08 Daurian Redstart/*Phoenicurus auroreus* 238

Identity call(male) 2009.10.28. Tokyo Edogawa-ku

Identity call(female) 2007.11.4. Tokyo Edogawa-ku

Song 2015.6.24. Tochigi pre. Nikko city

Song 2009.6.5. Korea Keisyu[Ranko Matsuda]

Subsong 1998.3.30. Tochigi pre. Nikko city

4-09 Red-flanked Bluetail/*Tarsiger cyanurus* 238

Song 2009.7.14. Yamanashi pre. Minamituru-gun Narusawa-mura

- Song 2008.7.13. Gunma pre. Tone-gun Katashina-mura
 Song(Juvenile of male) 1998.12.28. Tokyo Bunkyo-ku
 Identity call(Male) 2012.1.19. Tokyo Bunkyo-ku
 Alarm call(Female & Chick) 2009.6.14. Tochigi pre. Nikko city
 Juvenile 1997.6.24. Tochigi pre. Nikko city
- 4-10 Common Stonechat, Siberian Stonechat/*Saxicola torquatus* 242
 Song 2006.6.10. Hokkaido Akkishi-gun Hamanaka-cho
 Song 2004.6.16. Tochigi pre. Nikko city
 Identity call 2013.6.24. Tochigi pre. Nikko city
 Alarm call(male) 2001.6.20. Hokkaido Kushiro city
- 4-11 Blue Rock-Thrush/*Monticola solitarius* 242
 Song 2011.5.14. Niigata pre. Awashima is.
 Song 2009.4.16. Okinawa pre. Kunigami-gun Kunigami-son
 Song 1996.10.10. Mie pre. Toba city
 Identity call 2011.5.14. Niigata pre. Awashima is.
 Alarm call? 2007.4.6. Chiba pre. Narashino city
- 4-12 White-throated Rock-Thrush/*Monticola gularis* 242
 Song 2008.6.3. Russia Amur Amursk[Yukihiko Hanada]
- 4-13 Siberian Thrush/*Zoothera sibirica* 244
 Song(Kanto area) 2004.7.11. Tochigi pre. Nikko city
 Song(Kinki area) 2010.6.7. Hyogo pre. Mikata-gun Kami-cho
- 4-14 White's Thrush/*Zoothera dauma aurea* 244
 Song(repeat high tone) 2008.4.13. Tokyo Bunkyo-ku
 Song(repeat high & low tone) 2004.6.15. Tochigi pre. Nikko city
 Alarm call? 2016.7.12. Tochigi pre. Nikko city[Akira Takemori]
- 4-15 Amami Thrush(Race of Amami is.)/*Zoothera dauma major* (Species:244)
 Song 2007.4.23. Kagoshima pre. Amami is.
- 4-16 Eurasian Blackbird/*Turdus merula* 244
 Song 2004.4.25. China Suzhou city[Ryosuke Tanaka]
 Fly off 2007.12.2. Taiwan Kinmon is.
- 4-17 Brown-headed Thrush/*Turdus chrysolaus chrysolaus* 246
 Song(repeat some syllable) 2004.7.12. Tochigi pre. Nikko city
 Song(complexity) 2011.8.12. Tochigi pre. Nikko city
 Song(simple) 2000.5.2. Tochigi pre. Nikko city
 Song(unusual) 2009.7.20. Tochigi pre. Nikko city
 Alarm call? 2011.5.3. Tochigi pre. Nikko city
 Identity call 2008.2.29. Tokyo Edogawa-ku
- 4-18 Large Brown-headed Thrush(Race of Sakhalin & Kuril)/*Turdus chrysolaus orii* (Species:246)
 Song 2001.6.24. Russia Sakhalin Kuril islands
- 4-19 Izu Thrush/*Turdus celaenops* 246
 Song 2007.5.27. Tokyo Miyake is.
 Song 2011.5.2. Kagoshima pre. Kagoshima-gun Toshima-mura[Shin-ichi Seki]
 Alarm call 2006.6.13. Tokyo Miyake is.
 Roost in 2007.5.28. Tokyo Miyake is.
- 4-20 Eyebrowed Thrush/*Turdus obscurus* 246
 Song 2011.5.15. Niigata pre. Awashima is.
 Alarm call? 2011.10.14. Niigata pre. Awashima is.
- 4-21 Grey-backed Thrush/*Turdus hortulorum* 246
 Identity call 2013.4.23. Yamagata pre. Sakata city [Kenji Yanagawa]
 Alarm call? 2013.4.23. Yamagata pre. Sakata city [Kenji Yanagawa]
- 4-22 Japanese Thrush/*Turdus cardis* 248
 Song(Hokkaido area) 2009.6.28. Hokkaido Tomamae-gun Haboro-cho

Song(Tohoku area) 2014.7.1. Yamagata pre. Sakata city
Song(Kanto area) 1997.5.29. Tochigi pre. Nikko city
Song(Kinki area) 2010.6.6. Hyogo pre. Mikata-gun Kami-cho
Identity call(male) 2010.6.6. Hyogo pre. Mikata-gun Kami-cho
Identity call(female) 2005.6.24. Tochigi pre. Nikko city
Juvenile 2005.6.24. Tochigi pre. Nikko city

4-23 Pale Thrush/*Turdus pallidus* 248
Alarm call 2002.1.6. Tokyo Bunkyo-ku
Fly off 2002.12.8. Tokyo Bunkyo-ku
Identity call 2015.12.27. Saitama pre. Saitama city
Song(nonbreeding season) 2003.3.28. Okinawa pre. Ishigaki city
Song(on the migration) 2010.4.7. Tokyo Bunkyo-ku
Song 2009.6.10. Korea Keisyu[Ranko Matsuda]

4-24 Redwing/*Turdus iliacus* 248
Subsong? 2013.1.27. Kagosima pre. Makurazaki city[Kenji Yanagawa]

4-25 Dusky Thrush/*Turdus naumanni eunomus* 250
Identity call 2011.5.16. Niigata pre. Awashima is.
Flock 2015.12.20. Tochigi pre. Nikko city
Song 2014.3.9. Saitama pre. Saitama city
Subsong 2004.3.29. Tokyo Katushika-ku

4-26 Naumann's Thrush(Race of Northern Siberia)/*Turdus naumanni naumanni* (Species:250)
Fly off 2014.3.28. Tokyo Mitaka city

4-27 Japanese Bush-Warbler/*Cettia diphone cantans* 252
Song(Honsyu area) 2015.5.28. Niigata Pre. Tokamachi city
Song(Hokkaido area) 2008.6.12. Hokkaido Tesio-gun Toyotomi-cho
Song(Miyake is.) 2007.5.28. Tokyo Miyake is.
Song(unusual) 2004.7.26. Tochigi pre. Nikko city
Song(unusual) 1996.8.18. Tochigi pre. Nikko city
Song?(nonbreeding season) 2009.10.4. Saitama pre. Saitama city
Alarm call?(unusual) 2000.6.5. Tochigi pre. Nikko city
Unknown(like tweety) 2012.6.26. Kanagawa pre. Ashigara-gun Hakone-machi
Identity call(Sasa-naki) 2015.11.14. Tokyo Bunkyo-ku

4-28 Sakhalin Bush-Warbler(Race of Sakhalin & Kuril)/*Cettia diphone sakhalinensis* (Species:252)
Song 2001.6.22. Russia Sakhalin Kuril islands

4-29 Ryukyu Bush-Warbler(Race of Nansei Islands)/*Cettia diphone riukuensis* (Species:252)
Song 2003.3.26. Okinawa pre. Ishigaki city

4-30 Bonin Bush-Warbler(Race of Ogasawara islands)/*Cettia diphone diphone* (Species:252)
Song 2013.7.4. Tokyo Ogasawara-mura[Kenji Yanagawa]

4-31 Asian Stubtail/*Urosphena squameiceps* 252
Song(Kanto area) 2015.5.23. Tochigi pre. Nikko city
Song(Tohoku area) 2014.7.1. Yamagata pre. Turuoka city
Song(long version) 2016.5.23. Tokyo Akiruno city
Identity call 2009.5.5. Tochigi pre. Nikko city
Alarm call 2003.7.13. Tochigi pre. Nikko city
Juvenile 2003.7.13. Tochigi pre. Nikko city

4-32 Japanese Marsh Warbler/*Locustella pryeri* 252
Song 2000.6.29. Chiba Pre. Katori-gun Tohnosho-machi

4-33 Zitting Cisticola/*Cisticola juncidis* 252
Song(breeding season) 2006.5.28. Saitama pre. Saitama city
Song?(nonbreeding season) 2011.11.23. Miyagi pre. Osaki city
Subsong 2007.3.22. Saitama pre. Saitama city
Identity call 2010.1.22. Chiba pre. Funabashi city
Unknown 2007.4.30. Saitama pre. Saitama city

- 4-34 Goldcrest/*Regulus regulus* 252
 Song 2012.7.8. Tochigi pre. Nikko city
 Identity call 2012.8.24. Tochigi pre. Nikko city
 Alarm call 1998.8.17. Tochigi pre. Nikko city
- 4-35 Middendorff's Grasshopper-Warbler/*Locustella ochotensis* 254
 Song 2009.6.30. Hokkaido Tesio-gun Toyotomi-cho
 Identity call 2009.6.30. Hokkaido Tesio-gun Toyotomi-cho
- 4-36 Pleske's Grasshopper-Warbler, Styan's Grasshopper-Warbler/*Locustella pleskei* 254
 Song 2006.6.14. Tokyo Miyake is.
 Identity call 2006.6.13. Tokyo Miyake is.
- 4-37 Lanceolated Warbler/*Locustella lanceolata* 254
 Song(long version) 2008.6.12. Hokkaido Tesio-gun Toyotomi-cho
 Song(short, one voice) 2001.6.22. Russia Sakhalin Kuril islands
- 4-38 Gray's Grasshopper-Warbler/*Locustella fasciolata* 254
 Song 2008.6.11. Hokkaido Tesio-gun Toyotomi-cho
- 4-39 Oriental Reed-Warbler/*Acrocephalus orientalis* 254
 Song 2005.7.8. Nagano pre. Kitasaku-gun Karuizawa-machi
 Alarm call 2005.7.8. Nagano pre. Kitasaku-gun Karuizawa-machi
- 4-40 Thick-billed Warbler/*Acrocephalus aedon* 254
 Song 2009.6.1. Russia Amur Amursk[Yukihiko Hanada]
- 4-41 Black-browed Reed-warbler/*Acrocephalus bistrigiceps* 254
 Song(short version) 2005.6.15. Hokkaido Tomamae-gun Haboro-cho
 Song(long version) 2005.6.25. Tochigi pre. Tochigi city
 Alarm call 2012.7.19. Aomori pre. Misawa city[Akira Takemori]
 Identity call 2012.7.19. Aomori pre. Misawa city[Akira Takemori]
- 4-42 Greenish Warbler, Two-barred Greenish Warbler/*Phylloscopus plumbeitarsus* 342
 Song 2014.5.19. Yamagata pre. Sakata city [Kenji Yanagawa]
 Identity call? 2014.5.19. Yamagata pre. Sakata city [Kenji Yanagawa]
- 4-43 Pale-legged Leaf-warbler/*Phylloscopus tenellipes* 256
 Song 2008.6.5. Russia Amur Amursk[Yukihiko Hanada]
- 4-44 Chiffchaff/*Phylloscopus collybita* 334
 Song 2009.5.8. Germany Meerbusch[Yukihiko Hanada]
- 4-45 Dusky Warbler/*Phylloscopus fuscatus* 332
 Song 2008.6.12. Hokkaido Tesio-gun Toyotomi-cho
 Song 2014.5.19. Yamagata pre. Sakata city [Kenji Yanagawa]
 Identity call 2015.10.28. Yamagata pre. Sakata city [Kenji Yanagawa]
- 4-46 Radde's Warbler/*Phylloscopus schwarzi* 332
 Song 2014.5.18. Yamagata pre. Sakata city [Kenji Yanagawa]
 Identity call? 2013.5.2. Yamagata pre. Sakata city [Kenji Yanagawa]
- 4-47 Pallas's Leaf-Warbler/*Phylloscopus proregulus* 256
 Song 2011.3.9. Chiba pre. Kashiwa city
- 4-48 Yellow-browed Warbler, Inornate Warbler/*Phylloscopus inornatus* 256
 Song 2013.5.10. Yamagata pre. Sakata city [Kenji Yanagawa]
 Identity call 2013.5.11. Yamagata pre. Sakata city [Kenji Yanagawa]

■ Disc-5

- 5-01 Kamchatka Leaf-warbler/*Phylloscopus examinandus* 256
 Song 2016.6.4. Hyogo pre. Yabu city
 Identity call 2008.6.15. Hokkaido Tomamae-gun Haboro-cho
- 5-02 Japanese Leaf-warbler/*Phylloscopus xanthodryas* 256

- Song 1997.7.8. Tochigi pre. Nikko city
Identity call 2007.9.3. Yamanashi pre. Minamituru-gun Narusawa-mura
- 5-03 Sakhalin Leaf-warbler/*Phylloscopus borealoides* 256
Song 2010.6.25. Tochigi pre. Nikko city
Identity call 2011.8.11. Tochigi pre. Nikko city
Alarm call? 2010.6.25. Tochigi pre. Nikko city
- 5-04 Eastern Crowned Leaf-warbler/*Phylloscopus coronatus* 256
Song(Honsyu,repeated one voice) 2010.5.17. Tochigi pre. Nikko city
Song(Honsyu,long version) 2010.5.23. Tochigi pre. Nikko city
Song(Honsyu,simple version) 2003.6.23. Tochigi pre. Nikko city
Song(Hokkaido) 2005.6.9. Hokkaido Akkishi-gun Hamanaka-cho
Identity call 1997.5.7. Tochigi pre. Nikko city
- 5-05 Ijima's Leaf-warbler/*Phylloscopus ijimae* 256
Song 2007.5.29. Tokyo Miyake is.
Identity call 2007.5.27. Tokyo Miyake is.
- 5-06 Yellow-rumped Flycatcher/*Ficedula zanthopygia* 258
Song 2008.6.7. Russia Amur Amursk[Yukihiko Hanada]
Song 1986.6.7. Tokyo Bunkyo-ku
- 5-07 Narcissus Flycatcher/*Ficedula narcissina narcissina* 258
Song(Hokkaido) 2008.6.11. Hokkaido Tesio-gun Toyotomi-cho
Song(early breeding season,complexity & long) 2011.4.29. Tochigi pre. Nikko city
Song(late breeding season,simple & short) 2010.6.13. Tochigi pre. Nikko city
Song(mimicry of Chinese Bamboo-Partridge) 1998.5.17. Tochigi pre. Nikko city
Song(unusual) 2005.5.6. Tochigi pre. Nikko city
Identity call 2008.7.5. Tochigi pre. Nikko city
Identity call 2006.4.28. Tokyo Bunkyo-ku
- 5-08 Owston's Narcissus Flycatcher(Race of Nansei Islands)/*Ficedula narcissina owstoni* (Species:258)
Song 2007.4.24. Kagoshima pre. Amami is.
Song 2009.4.16. Okinawa pre. Kunigami-gun Kunigami-son
Song 2003.3.28. Okinawa pre. Iriomote is.
Identity call 2007.4.23. Kagoshima pre. Amami is.
- 5-09 Mugimaki Flycatcher/*Ficedula mugimaki* 258
Song 2012.5.14. Niigata pre. Awashima is.
- 5-10 Taiga Flycatcher/*Ficedula albicilla* 258
Identity call 2014.5.13. Yamagata pre. Sakata city [Kenji Yanagawa]
- 5-11 Red-breasted Flycatcher/*Ficedula parva* 336
Alarm call 2011.2.19. Chiba pre. Matsudo city
Identity call 2015.10.31. Yamagata pre. Sakata city [Kenji Yanagawa]
- 5-12 Blue-and-white Flycatcher/*Cyanoptila cyanomelana* 260
Song(Kanto area,complexity) 2000.6.16. Tochigi pre. Nikko city
Song(Kanto area,simple) 1997.5.27. Tochigi pre. Nikko city
Song(Kinki area) 2010.6.6. Hyogo pre. Mikata-gun Kami-cho
Song(mimicry of Scaly Thrush) 2005.5.5. Tochigi pre. Nikko city
Song?(female) 2007.6.23. Tochigi pre. Nikko city
Identity call(female) 2003.7.5. Tochigi pre. Nikko city
Juvenile 2004.7.4. Tochigi pre. Nikko city
- 5-13 Asian Brown Flycatcher/*Muscicapa dauurica* 260
Song 2012.5.19. Tochigi pre. Nikko city
Alarm call? 2015.6.10. Yamagata pre. Murayama-gun Yamabe-cho[Kenji Yanagawa]
- 5-14 Dark-sided Flycatcher/*Muscicapa sibirica* 260
Song 2015.5.28. Niigata Pre. Tokamachi city
- 5-15 Grey-streaked Flycatcher/*Muscicapa griseisticta* 260

Identity call 2013.10.10. Tokyo Bunkyo-ku

5-16 Japanese Paradise-Flycatcher/*Terpsiphone atrocaudata atrocaudata* 260

Song 2010.6.10. Tochigi pre. Nikko city

Subsong 2014.5.28. Tokyo Bunkyo-ku

Identity call 2007.6.24. Tochigi pre. Nikko city

5-17 Ryukyu Paradise-Flycatcher(Race of Nansei Islands)/*Terpsiphone atrocaudata illex* (Species:260)

Song 2006.4.24. Okinawa pre. Ishigaki city

5-18 Marsh Tit/*Poecile palustris* 262

Song 2009.6.30. Hokkaido Tesio-gun Toyotomi-cho

Subsong 2010.3.24. Hokkaido center area

Identity call 2005.6.8. Hokkaido Akkishi-gun Hamanaka-cho

5-19 Willow Tit/*Poecile montanus* 262

Song 2009.4.4. Tochigi pre. Nikko city

Subsong 2007.4.14. Tochigi pre. Nikko city

Identity call 2012.4.9. Tochigi pre. Nikko city

Intimidation? 2016.1.3. Tochigi pre. Nikko city

5-20 Coal Tit/*Poecile ater* 262

Song(highpitch) 2014.5.26. Tochigi pre. Nikko city

Song(long & highpitch) 2015.5.28. Niigata Pre. Tokamachi city

Song(lowpitch) 1997.5.2. Tochigi pre. Nikko city

Identity call 2006.4.10. Tochigi pre. Nikko city

Intimidation? 2005.4.24. Tochigi pre. Nikko city

5-21 Great Tit, Japanese Tit/*Parus minor minor* 262

Song(highpitch) 2011.5.5. Tokyo Bunkyo-ku

Song(lowpitch) 2014.5.30. Tochigi pre. Nikko city

Song(Miyake is.) 2007.5.28. Tokyo Miyake is.

Alarm call 2006.3.25. Tochigi pre. Nikko city

Male(during conflict) 2004.3.5. Saitama pre. Saitama city

Identity call 2014.10.4. Tochigi pre. Nikko city

Unknown(early spring) 2011.3.14. Tokyo Bunkyo-ku

Chick 2007.7.11. Nagano pre. Kitasaku-gun Karuizawa-machi

Flock of Juvenile 2011.5.8. Tokyo Bunkyo-ku

5-22 Ishigaki Great Tit, Southern Great Tit(Race of Ishigaki is.)/*Parus minor nigriloris* (Species:262)

Song 2006.4.25. Okinawa pre. Ishigaki city

Alarm call 2006.4.25. Okinawa pre. Ishigaki city

5-23 Varied Tit/*Poecile varius varius* 262

Song(clear) 2009.3.18. Shizuoka pre. Ito city

Song(husky) 2012.4.9. Tochigi pre. Nikko city

Alarm call 2007.2.6. Tokyo Hachioji city

Identity call 2013.12.17. Yamagata pre. Tendo city[Kenji Yanagawa]

5-24 Ryukyu Varied Tit(Race of Amami is.)/*Poecile varius amamii* (Species:262)

Song 2009.4.16. Okinawa pre. Kunigami-gun Kunigami-son

5-25 Owston's Varied Tit(Race of South Izu islands)/*Poecile varius owstoni* (Species:262)

Song 2007.5.27. Tokyo Miyake is.

Identity call 2006.6.13. Tokyo Miyake is.

5-26 Long-tailed Tit/*Aegithalos caudatus trivirgatus* 264

Identity call 2014.11.21. Tochigi pre. Nikko city

Alarm call 2010.5.17. Tochigi pre. Nikko city

Unknown 2010.5.17. Tochigi pre. Nikko city

Flock,Alarm call 2009.11.7. Chiba pre. Abiko city

5-27 Ezo White-headed Long-tailed Tit(Race of Hokkaido)/*Aegithalos caudatus japonicus* (Species:264)

Alarm call,Identity call & etc. 2006.1.29. Hokkaido Tokachi-gun Urahoro-cho[Yukihiko Hanada]

- 5-28 Wood Nuthatch, Eurasian Nuthatch/*Sitta europaea amurensis* 264
 Song 2009.4.4. Tochigi pre. Nikko city
 Song 2009.4.4. Tochigi pre. Nikko city
 Song 2009.4.4. Tochigi pre. Nikko city
 Song 2009.4.4. Tochigi pre. Nikko city
 Song 2013.6.2. Tochigi pre. Nikko city
 Alarm call 1996.10.24. Tokyo Ome city
- 5-29 Northern Nuthach(Race of Hokkaido)/*Sitta europaea asiatica* (Species:264)
 Song 2011.4.25. Hokkaido Asyoro-gun Asyoro-machi
 Song 2011.4.25. Hokkaido Asyoro-gun Asyoro-machi
- 5-30 Eurasian Tree-creeper/*Certhia familiaris* 264
 Song 2012.1.15. Tochigi pre. Nikko city
 Identity call 2006.4.15. Tochigi pre. Nikko city
- 5-31 Vinous-throated Parrotbill/*Paradoxornis webbianus* 332
 Identity call 2009.6.10. Korea Keisyu[Ranko Matsuda]
- 5-32 Japanese White-eye/*Zosterops japonicus japonicus* 266
 Song(long & short) 2010.6.4. Tokyo Bunkyo-ku
 Song(long) 2014.4.14. Chiba pre. Narashino city
 Song(short) 2006.4.4. Tokyo Kokubunji city
 Song(mimicry of Japanese Bush-Warbler, Hodgson's Hawk-Cuckoo) 2006.4.15. Tochigi pre. Nikko city
 Identity call(churu,churu) 2007.4.13. Tokyo Kita-ku
 Alarm call(chii,chii) 2015.6.14. Tokyo Bunkyo-ku
 Intimidation 2008.4.29. Tokyo Bunkyo-ku
- 5-33 Seven Is. White-Eye(Race of Izu islands)/*Zosterops japonicus alani* (Species:266)
 Song 2006.6.14. Tokyo Miyake is.
 Identity call 1998.2.7. Tokyo Oshima is.
- 5-34 Ryukyu White-eye(Race of Nansei islands)/*Zosterops japonicus Ryukyuensis* (Species:266)
 Song(Amami is.) 2007.4.23. Kagoshima pre. Amami is.
 Song(Okinawa is.) 2009.4.16. Okinawa pre. Kunigami-gun Kunigami-son
 Song(Ishigaki is.) 2006.4.22. Okinawa pre. Ishigaki city
- 5-35 Bonin White-eye/*Apalopteron familiare* 266
 Identity call 2013.7.6. Tokyo Ogasawara islands[Kenji Yanagawa]
- 5-36 Pine Bunting/*Emberiza leucocephalos* 268
 Identity call 2011.11.14. Niigata pre. Awashima is.
- 5-37 Meadow Bunting/*Emberiza cioides* 268
 Song(repeat some syllable) 2015.7.19. Tochigi pre. Nikko city
 Song(long version) 2009.6.1. Tochigi pre. Nikko city
 Song(short version) 2014.4.27. Tochigi pre. Nikko city
 Song(quick version) 2013.6.8. Yamagata pre. Kaminoyama city
 Song(Miyake is.) 2006.6.14. Tokyo Miyake is.(*E. c. tametomo?*)
 Song?(nonbreeding season) 2008.10.28. Tochigi pre. Nikko city
 Identity call 2008.11.3. Tochigi pre. Nikko city
- 5-38 Rustic Bunting/*Emberiza rustica* 268
 Identity call 1996.10.29. Tochigi pre. Nikko city
 Subsong(solo) 2008.3.30. Tochigi pre. Nikko city
 Subsong(flock) 2012.4.9. Tochigi pre. Nikko city
- 5-39 Chestnut-eared Bunting/*Emberiza fucata* 268
 Song 2013.6.24. Tochigi pre. Nikko city
 Identity call 2013.6.24. Tochigi pre. Nikko city
- 5-40 Yellow-throated Bunting/*Emberiza elegans* 270
 Identity call 2009.5.19. Korea Keisyu[Ranko Matsuda]
 Song 2008.6.4. Russia Amur Amursk[Yukihiko Hanada]
 Subsong 2012.5.13. Niigata pre. Awashima is.

5-41 Japanese Black-faced Bunting/*Emberiza spodocephala personata* 272
Song(repeat) 2001.6.20. Hokkaido Kushiro city
Song(various) 2010.6.26. Tochigi pre. Nikko city
Song(various) 2011.4.26. Hokkaido Asyoro-gun Asyoro-machi
Song(long version) 2009.6.29. Hokkaido Tomamae-gun Haboro-cho
Subsong 2013.4.5. Ibaragi pre. Hokota city
Identity call 2011.3.29. Chiba pre. Matsudo city

5-42 Black-faced Bunting(Race of Eastern Siberia,etc.)/*Emberiza spodocephala spodocephala*
(Species:272)
Song 2008.6.1. Russia Amur Amursk[Yukihiko Hanada]
Identity call 2014.5.7. Yamagata pre. Sakata city [Kenji Yanagawa]

5-43 Yellow Bunting/*Emberiza sulphurata* 272
Song 2002.6.8. Niigata Pre. Tokamachi city
Song 2002.6.30. Tochigi pre. Nikko city
Song 2002.6.15. Tochigi pre. Nikko city
Song 2015.5.28. Niigata Pre. Tokamachi city
Identity call 2015.6.10. Yamagata pre. Higashimurayama-gun Yamabe-cho[Kenji Yanagawa]

■ Disc-6

6-01 Yellow-breasted Bunting/*Emberiza aureola* 274
Song 2008.6.12. Hokkaido Tesio-gun Toyotomi-cho
Identity call(female) 2016.5.14. Yamagata pre. Sakata city [Kenji Yanagawa]

6-02 Grey Bunting/*Emberiza variabilis* 274
Song(simple) 1997.7.8. Tochigi pre. Nikko city
Song(complexity) 2011.6.25. Hyogo pre. Mikata-gun Kami-cho
Identity call 2004.3.16. Tokyo Bunkyo-ku

6-03 Japanese Reed Bunting, Ochre-rumped Bunting/*Emberiza yessoensis* 276
Song 2003.4.27. Ibaragi pre. Inashiki city
Song 2013.7.7. Kumamoto pre. Aso city[Ryosuke Tanaka]
Identity call 2008.7.21. Ibaragi pre. Ryugasaki city[Akira Takemori]

6-04 Common Reed Bunting/*Emberiza schoeniclus* 276
Identity call 2013.1.2. Saitama pre. Saitama city
Song 2004.6.12. Hokkaido Nakagawa-gun Ikeda-cho[Yukihiko Hanada]

6-05 White-crowned Sparrow/*Zonotrichia leucophrys* 278
Song 2010.7.1. U.S.A. Alaska Denali

6-06 Golden-crowned Sparrow/*Zonotrichia atricapilla* 278
Song 2011.3.26. Chiba pre. Matsudo city
Identity call 2011.3.26. Chiba pre. Matsudo city

6-07 Oriental Greenfinch, Grey-capped Greenfinch/*Chloris sinica minor* 282
Song(husky) 2007.5.9. Saitama pre. Saitama city
Song(complexity) 2007.5.14. Saitama pre. Saitama city
Song(Hokkaido) 2005.6.10. Hokkaido Akkishi-gun Hamanaka-cho
Identity call(female) 2010.4.13. Tokyo Edogawa-ku
Unknown 2009.4.8. Saitama pre. Saitama city
Juvenile 2012.7.25. Chiba pre. Ichikawa city

6-08 Large Japanese Greenfinch(Race of Northern)/*Chloris sinica kawarahiba* (Species:282)
Song 2013.3.24. Yamagata pre. Sakata city [Kenji Yanagawa]
Identity call 2010.11.14. Tokyo Katushika-ku

6-09 Eurasian Siskin/*Carduelis spinus* 282
Identity call 2006.4.15. Tochigi pre. Nikko city
Subsong? 2008.2.17. Tochigi pre. Shioya-gun Shioya-machi[Akira Takemori]
Song? 2011.4.26. Hokkaido Kitami city

6-10 Common Redpoll/*Carduelis flammaea* 282

Flock 2008.2.6. Hokkaido Asyoro-gun Asyoro-machi[Yukihiko Hanada]

6-11 Brambling/*Fringilla montifringilla* 284

Flock 2003.4.26. Hokkaido Asyoro-gun Asyoro-machi

Song(single) 2001.6.28. Russia Kamchatka Vestnik

Song(flock) 2003.4.26. Hokkaido Asyoro-gun Asyoro-machi

6-12 Asian Rosy-Finch/*Leucosticte arctoa* 284

Flock 2014.12.14. Yamagata pre. Tendo city[Kenji Yanagawa]

Flock 2015.1.6. Tochigi pre. Nikko city[Akira Takemori]

Identity call(female) 2013.5.5. Niigata pre. Awashima is.

6-13 Common Rosefinch/*Carpodacus erythrinus* 284

Identity call 2012.10.14. Yamagata pre. Sakata city [Kenji Yanagawa]

Song 2001.6.29. Russia Kamchatka Vestnik

6-14 Pine Grosbeak/*Pinicola enucleator* 286

Song 2007.7.1. Hokkaido Kamikawa-gun Higasikawa-cho[Yukihiko Hanada]

6-15 Red Crossbill/*Loxia curvirostra* 286

Flock 2011.4.27. Hokkaido Kitami city

Flight call 2009.6.7. Nagano pre. Shiojiri city[Akira Takemori]

Song 2014.3.18. Miyagi pre. Motoyoshi-gun Minamisanriku-cho[Kenji Yanagawa]

6-16 Pallas's Rosefinch/*Carpodacus roseus* 288

Identity call 2015.10.29. Yamagata pre. Sakata city [Kenji Yanagawa]

Alarm call? 2015.10.29. Yamagata pre. Sakata city [Kenji Yanagawa]

6-17 Long-tailed Rosefinch/*Uragus sibiricus* 288

Identity call 2011.11.24. Miyagi pre. Osaki city

Song 2009.6.30. Hokkaido Tesio-gun Toyotomi-cho

6-18 Eurasian Bullfinch/*Pyrrhula pyrrhula* 288

Identity call(nonbreeding season) 2011.2.26. Tochigi pre. Nikko city

Identity call(breeding season) 2014.4.6. Tochigi pre. Nikko city

Subsong 2014.4.6. Tochigi pre. Nikko city

Song? 2009.4.10. Kanagawa pre. Sagami-hara city

6-19 Chinese Grosbeak/*Eophona migratoria* 290

Song 2014.3.25. Chiba pre. Abiko city

Identity call 2014.3.25. Chiba pre. Abiko city

6-20 Japanese Grosbeak/*Eophona personata* 290

Song(Chubu area) 2006.7.7. Nagano pre. Kitasaku-gun Karuizawa-machi

Song(Kanto area) 2010.4.25. Tochigi pre. Nikko city

Song(Tokai area) 2009.3.18. Shizuoka pre. Ito city

Song(Kansai area) 2010.6.7. Hyogo pre. Mikata-gun Kami-cho

Song(on the migration) 2011.4.21. Tokyo Bunkyo-ku

Song(on the migration) 1998.5.15. Yamagata pre. Sakata city

Song?(nonbreeding season) 2006.2.11. Nagano pre. Kitasaku-gun Karuizawa-machi

Identity call 1998.8.16. Tochigi pre. Nikko city

Flock 2014.8.18. Tochigi pre. Nikko city[Akira Takemori]

6-21 Hawfinch/*Coccothraustes coccothraustes* 290

Identity call 2009.4.23. Tokyo Bunkyo-ku

Song? 2013.3.13. Tokyo Shibuya-ku

6-22 Russet Sparrow/*Passer rutilans* 292

Song? 2016.5.16. Tochigi pre. Nikko city

Identity call 2010.6.26. Tochigi pre. Nikko city

Flock 2009.7.1. Hokkaido Tesio-gun Toyotomi-cho

During conflict 2010.6.26. Tochigi pre. Nikko city

6-23 Eurasian Tree Sparrow/*Passer montanus* 292

Song? 2007.6.12. Tokyo Bunkyo-ku

During conflict 2013.11.23. Saitama pre. Saitama city
Roost in 2009.11.28. Tokyo Edogawa-ku
Mating 2010.5.2. Niigata pre. Awashima is.
Chick 2005.7.9. Nagano pre. Kitasaku-gun Karuizawa-machi
Juvenile 2007.6.20. Tokyo Bunkyo-ku

6-24 White-cheeked Starling/*Spodiopsar cineraceus* 292
Identity call 2008.7.26. Tokyo Bunkyo-ku
Alarm call, Intimidation(vs. Large-billed Crow) 2015.5.28. Niigata Pre. Tokamachi city
Song? 2010.3.12. Chiba pre. Ichikawa city(in cage)
Chick 2006.5.28. Saitama pre. Saitama city

6-25 Chestnut-cheeked Starling/*Agropsar philippensis* 292
Song? 2010.5.3. Niigata pre. Awashima is.
Intimidation(vs. human) 2004.6.25. Iwate pre. Hachimantai city
Alarm call(vs. Large-billed Crow) 2009.6.27. Hokkaido Tomamae-gun Haboro-cho

6-26 Red-billed Starling/*Sturnus sericeus* 294
Fly off 2007.12.1. Taiwan Kinmon is.

6-27 Crested Myna/*Acridotheres cristatellus* 294
Flock 2007.11.30. Taiwan Kinmon is.

6-28 Black Drongo/*Dicrurus macrocercus* 296
Identity call? 2014.3.26. Taiwan Taichung city[Ryosuke Tanaka]
Alarm call? 2016.5.8. Yamagata pre. Sakata city [Kenji Yanagawa]

6-29 Black-naped Oriole/*Oriolus chinensis* 296
Song 2011.6.3. Korea Jeonju city[Ryosuke Tanaka]
Song 2011.5.30. Korea Andong city[Ryosuke Tanaka]
Identity call 2011.5.16. Niigata pre. Awashima is.
Alarm call? 2011.6.3. Korea Jeonju city[Ryosuke Tanaka]

6-30 White-breasted Woodswallow/*Artamus leucorhynchus* 296
Identity call 2008.12.11. Australia Cairns

6-31 Eurasian Jay/*Garrulus glandarius japonicus* 298
Identity call 2015.11.21. Tochigi pre. Nikko city
Duet(carry nest material) 1997.5.26. Tochigi pre. Nikko city
Mimicry of puppy 2014.4.6. Tochigi pre. Nikko city
Mimicry of Whistle 2012.3.20. Tochigi pre. Nikko city
Mimicry of Common Buzzard 2012.3.20. Tochigi pre. Nikko city
Mimicry of Black-eared Kite & Grey-faced Buzzard 2007.4.28. Tokyo Bunkyo-ku
Higher tone 2015.11.25. Tochigi pre. Nikko city

6-32 Ezo Brandt's Jay(Race of Hokkaido)/*Garrulus glandarius brandtii* (Species:298)
Identity call 2011.4.25. Hokkaido Asyoro-gun Asyoro-machi

6-33 Lidth's Jay/*Garrulus lidthi* 298
Identity call 2007.4.22. Kagoshima pre. Amami is.

6-34 Azure-winged Magpie/*Cyanopica cyana* 298
Identity call 2006.7.3. Tokyo Kokubunji city
Courtship? 2008.2.8. Tokyo Edogawa-ku

6-35 Common Magpie/*Pica pica* 298
Identity call 2007.12.1. Taiwan Kinmon is.

6-36 Spotted Nutcracker/*Nucifraga caryocatactes* 300
Identity call 2007.9.4. Yamanashi pre. Minamituru-gun Narusawa-mura
Juvenile 2007.9.4. Yamanashi pre. Minamituru-gun Narusawa-mura

6-37 Daurian Jackdaw/*Corvus dauuricus* 300
Identity call 2015.12.28. Yamagata pre. Higashimurayama-gun Nakayama-machi[Kenji Yanagawa]

- 6-38 Western Jackdaw/*Corvus monedula* 340
Identity call 2009.4.30. Belgium Flanders province Knokke[Yukihiko Hanada]
- 6-39 Rook/*Corvus frugilegus* 300
Identity call 2011.1.5. Gunma pre. Ore-gun Itakura-machi
Flock 2005.2.6. Yamaguchi pre. Shunan city
- 6-40 Carrion Crow/*Corvus corone* 302
Roost out 2001.4.22. Tochigi pre. Nikko city
Alarm call 2013.5.9. Niigata pre. Awashima is.
Identity call 2003.2.11. Tokyo Bunkyo-ku
Juvenile 2008.6.13. Hokkaido Tesio-gun Toyotomi-cho
Unknown(mimicry of a dog?) 2011.3.11. Chiba pre. Matsudo city
- 6-41 Large-billed Crow/*Corvus macrorhynchos japonensis* 302
Identity call 2007.5.12. Tokyo Bunkyo-ku
Duet 2003.12.13. Tokyo Bunkyo-ku
During conflict 2003.5.14. Tokyo Bunkyo-ku
Unknown(garara call) 2007.2.2. Tokyo Bunkyo-ku
Unknown(husky call) 2014.6.26. Tokyo Bunkyo-ku
Unknown(kapon call) 2002.1.14. Tokyo Bunkyo-ku
Juvenile 2010.7.17. Tokyo Hino city
Juvenile 2001.5.16. Tokyo Bunkyo-ku
- 6-42 Ogawa's Large-billed Crow(Race of Nansei Islands)/*Corvus macrorhynchos connectens* (Species:302)
Identity call 2007.4.23. Kagoshima pre. Amami is.
Intimidation 2007.4.23. Kagoshima pre. Amami is.
Unknown("ohayo"=good morning, mimicry of human) 2003.3.29. Okinawa pre. Kunigami-gun Kunigami-son
- 6-43 Ryukyu Large-billed Crow(Race of Yaeyama islands)/*Corvus macrorhynchos osai* (Species:302)
Flock 2006.4.25. Okinawa pre. Ishigaki city
Identity call 2006.4.25. Okinawa pre. Ishigaki city
- 6-44 Common Raven/*Corvus corax* 302
Identity call 2011.4.26. Hokkaido Asyoro-gun Asyoro-machi
Flight call 2001.6.27. Russia Sakhalin Kuril islands
Alarm call? 2002.2.11. Hokkaido Kushiro city[Yukihiko Hanada]
- Introduced Species**
- 6-45 Indian Peafowl/*Pavo cristatus* (not listed)
Courtship 2015.4.1. Fukuoka pre. Fukuoka city(in cage)[Ryosuke Tanaka]
- 6-46 Black Swan/*Cygnus atratus* (not listed)
Identity call 2012.7.25. Chiba pre. Ichikawa city(in cage)
- 6-47 Domestic Duck/*Anas platyrhynchos var.domesticus* 306
Identity call 2009.3.18. Shizuoka pre. Ito city
- 6-48 Domestic Goose/*Anser cygnoides var.domesticus* 306
Intimidation 2007.6.8. Saitama pre. Misato city(in cage)
- 6-49 Muscovy Duck/*Cairina moschata var.domesticus* 306
Identity call 2008.12.15. Australia Cairns
- 6-50 Budgerigar/*Melopsittacus undulatus* 305
Identity call 2006.4.4. Tokyo Mitaka city(in cage)
- 6-51 Rose-ringed Parakeet/*Psittacula krameri* 305
Identity call 2015.5.26. Tokyo Bunkyo-ku
Roost in 2009.5.21. Tokyo Kita-ku
- 6-52 Chinese Hwamei/*Garrulax canorus* 306
Song 2011.5.17. Tokyo Hino city

Song(mimicry of Narcissus Flycatcher) 2009.4.10. Kanagawa pre Sagami-hara city
Identity call(breeding season) 2011.5.18. Tokyo Musashino city
Identity call(nonbreeding season) 2003.2.27. Tokyo Hachioji city
Flock(Juvenile) 2008.7.9. Tokyo Hachioji city

6-53 Masked Laughingthrush/*Garrulax perspicillatus* 306
Identity call 2013.4.9. Tokyo Akiruno city

6-54 Red-billed Mesia, Red-billed Leiothrix/*Leiothrix lutea* 306
Song 2012.6.26. Kanagawa pre Ashigara-gun Hakone-machi
Identity call 2006.10.19. Tokyo Bunkyo-ku

6-55 Common Myna/*Acridotheres tristis* (not listed)
Identity call 2008.12.12. Australia Cairns

6-56 Scaly-breasted Munia/*Lonchura punctulata* 304
Identity call 2008.12.12. Australia Cairns

6-57 Bengalese finch, Society finch/*Lonchura striata var. domestica* (not listed)
Identity call 2001.9.1. Tochigi pre. Nikko city(in cage)

INDEX of English Names

The first number is Disc, the next number is Track.

Blue letter is a Subspecies(Local race).

Orange letters is an Introduced Species.

A			
Alpine Accentor	3-64	Chinese Bamboo-Partridge	2-67
Amami Brown-eared Bulbul	3-53	Chinese Grosbeak	6-19
Amami Pygmy Woodpecker	3-30	Chinese Hwamei	6-52
Amami Thrush	4-15	Coal Tit	5-20
Amami Woodcock	2-25	Collared Kingfisher	3-13
Ashy Minivet	3-49	Collared Scops Owl	2-58
Asian Brown Flycatcher	5-13	Common Stonchat	4-10
Asian House-Martin	3-35	Common Buzzard	2-41
Asian Rosy-Finc	6-12	Common Coot	1-73
Asian Stubtail	4-31	Common Cuckoo	3-01
Azure-winged Magpie	6-34	Common Goldeneye	1-32
		Common Greenshank	2-15
		Common Gull	1-51
B		Common Kestrel	2-49
Baikal Teal	1-25	Common Kingfisher	3-14
Barn Swallow	3-39	Common Magpie	6-35
Barred Buttonquail	2-65	Common Merganser	1-38
Bar-tailed Godwit	2-17	Common Moorhen	1-74
Bengalese finch	6-57	Common Myna	6-55
Black Drongo	6-28	Common Pochard	1-31
Black Scoter	1-36	Common Raven	6-44
Black Swan	6-46	Common Redpoll	6-10
Black Woodpecker	3-19	Common Reed Bunting	6-04
Black Wood-Pigeon	2-71	Common Rosefinch	6-13
Black-browed Reed-warbler	4-41	Common Sandpiper	2-11
Black-crowned Night-Heron	1-61	Common Shelduck	1-19
Black-eared Kite	2-38	Common Snipe	2-21
Black-faced Bunting	5-42	Common Teal	1-23
Black-headed Gull	1-54	Common Tern	1-55
Black-naped Oriole	6-29	Copper Pheasant	2-70
Black-necked Grebe	1-03	Crested Ibis	1-68
Black-tailed Gull	1-49	Crested Kingfisher	3-09
Black-winged Stilt	2-27	Crested Myna	6-27
Blakiston's Fish-Owl	2-51		
Blakiston's Skylark	3-34	D	
Blue Rock-Thrush	4-11	Dark-sided Flycatcher	5-14
Blue-and-white Flycatcher	5-12	Daurian Jackdaw	6-37
Bohemian Waxwing	3-60	Daurian Redstart	4-08
Bonin Bush-Warbler	4-30	Dollarbird	3-15
Bonin Buzzard	2-42	Domestic Duck	6-47
Bonin White-eye	5-35	Domestic Goose	6-48
Boreal Owl	2-60	Dunlin	2-06
Brambling	6-11	Dusky Thrush	4-25
Brent Goose	1-12	Dusky Warble	4-45
Brown Boobook	2-61		
Brown Booby	1-46	E	
Brown Dipper	3-61	Easten Buzzard	2-41
Brown Shrike	3-58	Eastern Crowned Leaf-warbler	5-04
Brown-eared Bulbul	3-52	Eastern Marsh-Harrier	2-43
Brown-headed Thrush	4-17	Eezo Crested Kingfisher	3-10
Budgerigar	6-50	Elegant Scops-Owl	2-57
Buff-bellied Pipit	3-47	Eurasian Bittern	1-57
Bull-headed Shrike	3-56	Eurasian Blackbird	4-16
		Eurasian Bullfinch	6-18
C		Eurasian Collared-Dove	2-74
Carrion Crow	6-40	Eurasian Cuckoo	3-01
Chestnut-cheeked Starling	6-25	Eurasian Curlew	2-18
Chestnut-eared Bunting	5-39	Eurasian Eagle-Owl	2-50
Chiffchaff	4-44	Eurasian Hobby	2-48

Eurasian Hoopoe	3-16	Hooded Crane	1-69
Eurasian Jay	6-31	House Swift	3-07
Eurasian Kestrel	2-49		
Eurasian Nuthatch	5-28	I	
Eurasian Oystercatcher	1-81	Ijima's Leaf-warbler	5-05
Eurasian Siskin	6-09	Indian Cuckoo	3-03
Eurasian Sky Lark	3-33	Indian Peafowl	6-45
Eurasian Sparrowhawk	2-45	Inornate Warbler	4-48
Eurasian Tree Sparrow	6-23	Intermediate Egret	1-64
Eurasian Tree-creeper	5-30	Ishigaki Brown-eared Bulbul	3-55
Eurasian Wigeon	1-30	Ishigaki Great Tit	5-22
Eurasian Woodcock	2-24	Izu Thrush	4-19
Eurasian Wryneck	3-20		
Eyebrowed Thrush	4-20	J	
Ezo Brandt's Jay	6-32	Japanese Accentor	3-65
Ezo Great Spotted Woodpecker	3-25	Japanese Black-faced Bunting	5-41
Ezo Ural Owl	2-54	Japanese Bush-Warbler	4-27
Ezo White-backed Woodpecker	3-22	Japanese Cormorant	1-06
Ezo White-headed Long-tailed Tit	5-27	Japanese Green Pheasant	2-68
		Japanese Green Woodpecker	3-17
F		Japanese Grosbeak	6-20
Fairy Pitta	3-32	Japanese Leaf-warble	5-02
Falcated Duck	1-27	Japanese Marsh Warbler	4-32
Far Eastern Curlew	2-19	Japanese Murrelet	1-40
		Japanese Night-Heron	1-59
G		Japanese Paradise-Flycatcher	5-16
Gadwall	1-28	Japanese Quail	2-66
Garganey	1-24	Japanese Reed Bunting	6-03
Glaucous Gull	1-50	Japanese Robin	4-01
Goldcrest	4-34	Japanese Scops-Owl	2-58
Golden Eagle	2-33	Japanese Sparrowhawk	2-46
Golden-crowned Sparrow	6-06	Japanese Thrush	4-22
Goosander	1-38	Japanese Tit	5-21
Gray's Grasshopper-Warbler	4-38	Japanese Wagtail	3-44
Great Black-headed Gull	1-52	Japanese Waxwing	3-59
Great Cormorant	1-05	Japanese White-eye	5-32
Great Crested Grebe	1-01	Japanese Woodpecker	3-17
Great Egret	1-65		
Great Knot	2-08	K	
Great Spotted Woodpecker	3-24	Kamchatka Leaf-warbler	5-01
Great Tit	5-21	Kentish Plover	1-84
Greater Painted-snipe	2-26	Kyushu Ural Owl	2-55
Greater Scaup	1-34		
Greater Spotted Eagle	2-34	L	
Greater White-fronted Goose	1-14	Lanceolated Warbler	4-37
Greenish Warbler	4-42	Large Brown-headed Thrush	4-18
Grey Bunting	6-02	Large Japanese Greenfinch	6-08
Grey Heron	1-66	Large-billed Crow	6-41
Grey Nightjar	3-06	Latham's Snipe	2-22
Grey Plover	2-02	Leach's Storm-Petrel	1-45
Grey Wagtail	3-41	Lesser Canada Goose	1-11
Grey-backed Thrush	4-21	Lesser Cuckoo	3-04
Grey-capped Greenfinch	6-07	Lesser Spotted Woodpecker	3-31
Grey-faced Buzzard	2-39	Lesser White-fronted Goose	1-15
Grey-faced Woodpecker	3-18	Lidth's Jay	6-33
Grey-headed Lapwing	2-04	Light-vented Bulbul	3-51
Grey-streaked Flycatcher	5-15	Little Egret	1-63
Grey-tailed Tattler	2-16	Little Grebe	1-04
		Little Ringed Plover	1-82
H		Little Tern	1-56
Hachijo Wren	3-63	Long-billed Plover	1-83
Hargitt's Pygmy Woodpecker	3-28	Long-eared Owl	2-52
Hawfinch	6-21	Long-tailed Duck	1-35
Hazel Grouse	2-64	Long-tailed Rosefinch	6-17
Herring Gull	1-48	Long-tailed Tit	5-26

M

Malayan Night-Heron	
Mallard	1-60
Mandarin Duck	1-20
Marsh Tit	1-26
Masked Laughingthrush	5-18
Matsudaira's Pygmy Woodpecker	6-53
Meadow Bunting	3-29
Middendorff's Grasshopper-Warbler	5-37
Momiyama's Owl	4-35
Mongolian Plover	2-53
Mountain Hawk-Eagle	1-85
Mugimaki Flycatcher	2-35
Muscovy Duck	5-09
Mute Swan	6-49
	1-08

N

Narcissus Flycatcher	
Naumann's Thrush	5-07
Northern Goshawk	4-26
Northern Hawk Cuckoo	2-44
Northern Hobby	3-05
Northern Lapwing	2-48
Northern Nuthach	2-03
Northern Pintail	5-29
Northern Shoveler	1-29
	1-22

O

Ochre-rumped Bunting	
Ogawa's Large-billed Crow	6-03
Okinawa Brown-eared Bulbul	6-42
Okinawa Rail	3-54
Okinawa Woodpecker	1-78
Olive-backed Pipit	3-26
Oriental Cuckoo	3-45
Oriental Greenfinch	3-02
Oriental Honey-buzzard	6-07
Oriental Pratincole	2-37
Oriental Reed-Warbler	2-09
Oriental Scops-Owl	4-39
Oriental Stork	2-56
Oriental Turtle-Dove	1-67
Osprey	2-72
Owston's Narcissus Flycatcher	2-30
Owston's Varied Tit	5-08
Owston's White-backed Woodpecker	5-25
	3-23

P

Pacific Golden-Plover	
Pacific Swallow	2-01
Pacific Swift	3-38
Pale Japanese Robin	3-08
Pale Thrush	4-02
Pale-legged Leaf-warbler	4-23
Pallas's Leaf-Warbler	4-43
Pallas's Rosefinch	4-47
Peregrine Falcon	6-16
Pied Avocet	2-47
Pine Bunting	2-28
Pine Grosbeak	5-36
Pleske's Grasshopper-Warbler	6-14
Pryer's Scops-Owl	4-36
Pygmy Woodpecker	2-59
	3-27

R

Radde's Warbler	4-46
Red Crossbill	6-15
Red Phalarope	2-29
Red-billed Leiothrix	6-54
Red-billed Mesia	6-54
Red-billed Starling	6-26
Red-breasted Flycatcher	5-11
Red-crowned Crane	1-70
Red-faced Cormorant	1-07
Red-flanked Bluetail	4-09
Red-necked Grebe	1-02
Red-necked Stint	2-05
Red-rumped Swallow	3-37
Redwing	4-24
Rhinoceros Auklet	1-41
Ring-necked Pheasant	2-69
Rock Pigeon	2-78
Rock Ptarmigan	2-63
Rook	6-39
Rose-ringed Parakeet	6-51
Rough-legged Hawk	2-40
Ruddy Kingfisher	3-11
Ruddy Turnstone	2-14
Ruddy-breasted Crake	1-76
Rufous-tailed Robin	4-05
Russet Sparrow	6-22
Rustic Bunting	5-38
Ryukyu Brown Hark-Owl	2-62
Ryukyu Bush-Warbler	4-29
Ryukyu Large-billed Crow	6-43
Ryukyu Minivet	3-50
Ryukyu Paradise-Flycatcher	5-17
Ryukyu Robin	4-03
Ryukyu Ruddy Kingfisher	3-12
Ryukyu Serpent-Eagle	2-36
Ryukyu Turtle-Dove	2-73
Ryukyu Varied Tit	5-24
Ryukyu White-eye	5-34

S

Sakhalin Bush-Warbler	4-28
Sakhalin Leaf-warbler	5-03
Sand Martin	3-36
Sanderling	2-07
Saunders's Gull	1-53
Scaly-breasted Munia	6-56
Seven Is. White-Eye	5-33
Short-tailed Albatross	1-42
Siberian Accentor	3-66
Siberian Blue Robin	4-07
Siberian Crane	1-71
Siberian Rubythroat	4-06
Siberian Stonechat	4-10
Siberian Thrush	4-13
Slaty-backed Gull	1-47
Slaty-legged Crake	1-79
Smew	1-37
Snow Goose	1-13
Society finch	6-57
Solitary Snipe	2-23
Southern Great Tit	5-22
Spectacled Guillemot	1-39
Spot-billed Duck	1-21
Spotted Dove	2-75

Spotted Nutcracker	6-36	Western Jackdaw	6-38
Spotted Sandpiper	2-12	Whimbrel	2-20
Stejneger's Robin	4-04	Whistling Green-Pigeon	2-77
Steller's Sea-Eagle	2-32	White Wagtail	3-42
Streaked Shearwater	1-43	White-backed Woodpecker	3-21
Striated Heron	1-62	White-bellied Green-Pigeon	2-76
Styan's Grasshopper-Warbler	4-36	White-breasted Waterhen	1-80
Swan Goose	1-16	White-breasted Woodswallow	6-30
Swinhoe's Rail	1-77	White-cheeked Starling	6-24
		White-crowned Sparrow	6-05
		White-faced Wagtail	3-43
T		White-naped Crane	1-72
Taiga Bean Goose	1-18	White's Thrush	4-14
Taiga Flycatcher	5-10	White-tailed Eagle	2-31
Temminck's Cormorant	1-06	White-throated Rock-Thrush	4-12
Tengmalm's Owl	2-60	Whooper Swan	1-09
Terek Sandpiper	2-13	Willow Tit	5-19
Thick-billed Warbler	4-40	Winter Wren	3-62
Tiger Shrike	3-57	Wood Nuthatch	5-28
Tristram's Storm-Petrel	1-44	Wood Sandpiper	2-10
Tufted Duck	1-33		
Tundra Bean Goose	1-17	Y	
Tundra Swan	1-10	Yellow Bittern	1-58
Two-barred Greenish Warbler	4-42	Yellow Bunting	5-43
		Yellow Wagtail	3-40
U		Yellow-breasted Bunting	6-01
Ural Owl	2-53	Yellow-browed Warbler	4-48
		Yellow-rumped Flycatcher	5-06
V		Yellow-throated Bunting	5-40
Varied Tit	5-23	Yunnan Tree Pipit	3-46
Vinous-throated Parrotbill	5-31		
		Z	
W		Zitting Cisticola	4-33
Water Pipit	3-48		
Water Rail	1-75		

INDEX of Scientific Names

The first number is Desk, the next number is Track.

A			
<i>Accipiter gentilis</i>	2-44	<i>Botaurus stellaris</i>	1-57
<i>Accipiter gularis</i>	2-46	<i>Branta bernicla</i>	1-12
<i>Accipiter nisus</i>	2-45	<i>Branta hutchinsii</i>	1-11
<i>Acridotheres cristatellus</i>	6-27	<i>Bubo bubo</i>	2-50
<i>Acridotheres tristis</i>	6-55	<i>Bucephala clangula</i>	1-32
<i>Acrocephalus aedon</i>	4-40	<i>Butastur indicus</i>	2-39
<i>Acrocephalus bistrigiceps</i>	4-41	<i>Buteo buteo japonicus</i>	2-41
<i>Acrocephalus orientalis</i>	4-39	<i>Buteo buteo toyoshimai</i>	2-42
<i>Actitis hypoleucos</i>	2-11	<i>Buteo lagopus</i>	2-40
<i>Actitis macularius</i>	2-12	<i>Butorides striatus</i>	1-62
<i>Aegithalos caudatus japonicus</i>	5-27		
<i>Aegithalos caudatus trivirgatus</i>	5-26	C	
<i>Aegolius funereus</i>	2-60	<i>Cairina moschata var.domesticus</i>	6-49
<i>Agropsar philippensis</i>	6-25	<i>Calidris alba</i>	2-07
<i>Aix galericulata</i>	1-26	<i>Calidris alpina</i>	2-06
<i>Alauda arvensis japonica</i>	3-33	<i>Calidris ruficollis</i>	2-05
<i>Alauda arvensis pekinensis</i>	3-34	<i>Calidris tenuirostris</i>	2-08
<i>Alcedo atthi</i>	3-14	<i>Calonectris leucomelas</i>	1-43
<i>Amaurornis phoenicurus</i>	1-80	<i>Caprimulgus indicus</i>	3-06
<i>Anas acuta</i>	1-29	<i>Carduelis flammea</i>	6-10
<i>Anas clypeata</i>	1-22	<i>Carduelis spinus</i>	6-09
<i>Anas crecca</i>	1-23	<i>Carpodacus erythrinus</i>	6-13
<i>Anas falcata</i>	1-27	<i>Carpodacus roseus</i>	6-16
<i>Anas formosa</i>	1-25	<i>Cephus carbo</i>	1-39
<i>Anas penelope</i>	1-30	<i>Cerorhinca monocerata</i>	1-41
<i>Anas platyrhynchos</i>	1-20	<i>Certhia familiaris</i>	5-30
<i>Anas platyrhynchos var.domesticus</i>	6-47	<i>Cettia diphone cantans</i>	4-27
<i>Anas querquedula</i>	1-24	<i>Cettia diphone diphone</i>	4-30
<i>Anas strepera</i>	1-28	<i>Cettia diphone riukiensis</i>	4-29
<i>Anas zonorhyncha</i>	1-21	<i>Cettia diphone sakhalinensis</i>	4-28
<i>Anser albifrons</i>	1-14	<i>Charadrius alexandrinus</i>	1-84
<i>Anser caerulescens</i>	1-13	<i>Charadrius dubius</i>	1-82
<i>Anser cygnoides</i>	1-16	<i>Charadrius mongolus</i>	1-85
<i>Anser cygnoides var.domesticus</i>	6-48	<i>Charadrius placidus</i>	1-83
<i>Anser erythropus</i>	1-15	<i>Chloris sinica kawarahiba</i>	6-08
<i>Anser fabalis middendorffii</i>	1-18	<i>Chloris sinica minor</i>	6-07
<i>Anser fabalis serrirostris</i>	1-17	<i>Ciconia boyciana</i>	1-67
<i>Anthus hodgsoni hodgsoni</i>	3-45	<i>Cinclus pallasii</i>	3-61
<i>Anthus hodgsoni yunnanensis</i>	3-46	<i>Circus spilonotus</i>	2-43
<i>Anthus rubescens</i>	3-47	<i>Cisticola juncidis</i>	4-33
<i>Anthus spinoletta</i>	3-48	<i>Clangula hyemalis</i>	1-35
<i>Apalopteron familiare</i>	5-35	<i>Coccothraustes coccothraustes</i>	6-21
<i>Apus nipalensis</i>	3-07	<i>Columba janthina</i>	2-71
<i>Apus pacificus</i>	3-08	<i>Columba livia var. domestica</i>	2-78
<i>Aquila chrysaetos</i>	2-33	<i>Corvus corax</i>	6-44
<i>Aquila clanga</i>	2-34	<i>Corvus corone</i>	6-40
<i>Ardea alba</i>	1-65	<i>Corvus dauuricus</i>	6-37
<i>Ardea cinerea</i>	1-66	<i>Corvus frugilegus</i>	6-39
<i>Ardea intermedia</i>	1-64	<i>Corvus macrorhynchos connectens</i>	6-42
<i>Arenaria interpres</i>	2-14	<i>Corvus macrorhynchos japonensis</i>	6-41
<i>Artamus leucorhynchus</i>	6-30	<i>Corvus macrorhynchos osai</i>	6-43
<i>Asio otus</i>	2-52	<i>Corvus monedula</i>	6-38
<i>Aythya ferina</i>	1-31	<i>Coturnicops exquisitus</i>	1-77
<i>Aythya fuligula</i>	1-33	<i>Coturnix japonica</i>	2-66
<i>Aythya marila</i>	1-34	<i>Cuculus canorus</i>	3-01
		<i>Cuculus hyperythrus</i>	3-05
B		<i>Cuculus micropterus</i>	3-03
<i>Bambusicola thoracicus</i>	2-67	<i>Cuculus optatus</i>	3-02
<i>Bombycilla garrulus</i>	3-60	<i>Cuculus poliocephalus</i>	3-04
<i>Bombycilla japonica</i>	3-59	<i>Cyanopica cyana</i>	6-34

<i>Cyanoptila cyanomelana</i>	5-12	<i>Gorsachius melanolophus</i>	1-60
<i>Cygnus atratus</i>	6-46	<i>Grus japonensis</i>	1-70
<i>Cygnus columbianus</i>	1-10	<i>Grus leucogeranus</i>	1-71
<i>Cygnus cygnus</i>	1-09	<i>Grus monacha</i>	1-69
<i>Cygnus olor</i>	1-08	<i>Grus vipio</i>	1-72
D		H	
<i>Delichon dasypus</i>	3-35	<i>Haematopus ostralegus</i>	1-81
<i>Dendrocopos kizuki amamii</i>	3-30	<i>Halcyon coromanda bangsi</i>	3-12
<i>Dendrocopos kizuki matsudairai</i>	3-29	<i>Halcyon coromanda major</i>	3-11
<i>Dendrocopos kizuki nippon</i>	3-27	<i>Haliaeetus albicilla</i>	2-31
<i>Dendrocopos kizuki seebohmi</i>	3-28	<i>Haliaeetus pelagicus</i>	2-32
<i>Dendrocopos leucotos owstoni</i>	3-23	<i>Himantopus himantopus</i>	2-27
<i>Dendrocopos leucotos stejnegeri</i>	3-21	<i>Hirundo daurica</i>	3-37
<i>Dendrocopos leucotos subcirris</i>	3-22	<i>Hirundo rustica</i>	3-39
<i>Dendrocopos major hondoensis</i>	3-24	<i>Hirundo tahitica</i>	3-38
<i>Dendrocopos major japonicus</i>	3-25	<i>Hypsipetes amaurotis amaurotis</i>	3-52
<i>Dendrocopos minor</i>	3-31	<i>Hypsipetes amaurotis ogawae</i>	3-53
<i>Dicrurus macrocercus</i>	6-28	<i>Hypsipetes amaurotis pryeri</i>	3-54
<i>Dryocopus martius</i>	3-19	<i>Hypsipetes amaurotis stejnegeri</i>	3-55
E		I	
<i>Egretta garzetta</i>	1-63	<i>Ixobrychus sinensis</i>	1-58
<i>Emberiza aureola</i>	6-01	J	
<i>Emberiza cioides</i>	5-37	<i>Jynx torquilla</i>	3-20
<i>Emberiza elegans</i>	5-40	K	
<i>Emberiza fucata</i>	5-39	<i>Ketupa blakistoni</i>	2-51
<i>Emberiza leucocephalos</i>	5-36	L	
<i>Emberiza rustica</i>	5-38	<i>Lagopus muta</i>	2-63
<i>Emberiza schoeniclus</i>	6-04	<i>Lanius bucephalus</i>	3-56
<i>Emberiza spodocephala personataala</i>	5-41	<i>Lanius cristatus</i>	3-58
<i>Emberiza spodocephala spodoceph</i>	5-42	<i>Lanius tigrinus</i>	3-57
<i>Emberiza sulphurata</i>	5-43	<i>Larus argentatus</i>	1-48
<i>Emberiza variabilis</i>	6-02	<i>Larus canus</i>	1-51
<i>Emberiza yessoensis</i>	6-03	<i>Larus crassirostris</i>	1-49
<i>Eophona migratoria</i>	6-19	<i>Larus hyperboreus</i>	1-50
<i>Eophona personata</i>	6-20	<i>Larus ichthyaetus</i>	1-52
<i>Eurystomus orientalis</i>	3-15	<i>Larus ridibundus</i>	1-54
F		<i>Larus saundersi</i>	1-53
<i>Falco peregrinus</i>	2-47	<i>Larus schistisagus</i>	1-47
<i>Falco subbuteo</i>	2-48	<i>Leiothrix lutea</i>	6-54
<i>Falco tinnunculus</i>	2-49	<i>Leucosticte arctoa</i>	6-12
<i>Ficedula albicilla</i>	5-10	<i>Limosa lapponica</i>	2-17
<i>Ficedula mugimaki</i>	5-09	<i>Locustella fasciolata</i>	4-38
<i>Ficedula narcissina narcissina</i>	5-07	<i>Locustella lanceolata</i>	4-37
<i>Ficedula narcissina owstoni</i>	5-08	<i>Locustella ochotensis</i>	4-35
<i>Ficedula parva</i>	5-11	<i>Locustella pleskei</i>	4-36
<i>Ficedula zanthopygia</i>	5-06	<i>Locustella pryeri</i>	4-32
<i>Fringilla montifringilla</i>	6-11	<i>Lonchura punctulata</i>	6-56
<i>Fulica atra</i>	1-73	<i>Lonchura striata var. domestica</i>	6-57
G		<i>Loxia curvirostra</i>	6-15
<i>Gallinago gallinago</i>	2-21	<i>Luscinia akahige akahige</i>	4-01
<i>Gallinago hardwickii</i>	2-22	<i>Luscinia akahige tanensis</i>	4-02
<i>Gallinago solitaria</i>	2-23	<i>Luscinia calliope</i>	4-06
<i>Gallinula chloropus</i>	1-74	<i>Luscinia cyane</i>	4-07
<i>Gallirallus okinawae</i>	1-78	<i>Luscinia komadori komadori</i>	4-03
<i>Garrulax canorus</i>	6-52	<i>Luscinia komadori namiyei</i>	4-04
<i>Garrulax perspicillatus</i>	6-53	<i>Luscinia sibilans</i>	4-05
<i>Garrulus glandarius brandtii</i>	6-32	M	
<i>Garrulus glandarius japonicus</i>	6-31	<i>Megaceryle lugubris lugubris</i>	3-09
<i>Garrulus lidthi</i>	6-33	<i>Megaceryle lugubris pallida</i>	3-10
<i>Glareola maldivarum</i>	2-09		
<i>Gorsachius goisagi</i>	1-59		

<i>Melanitta americana</i>	1-36
<i>Melopsittacus undulatus</i>	6-50
<i>Mergellus albellus</i>	1-37
<i>Mergus merganser</i>	1-38
<i>Milvus migrans</i>	2-38
<i>Monticola gularis</i>	4-12
<i>Monticola solitarius</i>	4-11
<i>Motacilla alba leucopsis</i>	3-43
<i>Motacilla alba lugens</i>	3-42
<i>Motacilla cinerea</i>	3-41
<i>Motacilla flava</i>	3-40
<i>Motacilla grandis</i>	3-44
<i>Muscicapa dauurica</i>	5-13
<i>Muscicapa griseisticta</i>	5-15
<i>Muscicapa sibirica</i>	5-14

N	
<i>Ninox scutulata japonica</i>	2-61
<i>Ninox scutulata totego</i>	2-62
<i>Nipponia nippon</i>	1-68
<i>Nisaetus nipalensis</i>	2-35
<i>Nucifraga caryocatactes</i>	6-36
<i>Numenius arquata</i>	2-18
<i>Numenius madagascariensis</i>	2-19
<i>Numenius phaeopus</i>	2-20
<i>Nycticorax nycticorax</i>	1-61

O	
<i>Oceanodroma leucorhoa</i>	1-45
<i>Oceanodroma tristrami</i>	1-44
<i>Oriolus chinensis</i>	6-29
<i>Otus elegans</i>	2-57
<i>Otus lempiji pryeri</i>	2-59
<i>Otus lempiji semitorques</i>	2-58
<i>Otus sunia</i>	2-56

P	
<i>Pandion haliaetus</i>	2-30
<i>Paradoxornis webbianus</i>	5-31
<i>Parus minor minor</i>	5-21
<i>Parus minor nigriloris</i>	5-22
<i>Passer montanus</i>	6-23
<i>Passer rutilans</i>	6-22
<i>Pavo cristatus</i>	6-45
<i>Pericrocotus divaricatus divaricatus</i>	3-49
<i>Pericrocotus divaricatus tegimae</i>	3-50
<i>Pernis ptilorhynchus</i>	2-37
<i>Phalacrocorax capillatus</i>	1-06
<i>Phalacrocorax carbo</i>	1-05
<i>Phalacrocorax urile</i>	1-07
<i>Phalaropus fulicarius</i>	2-29
<i>Phasianus colchicus karpowi</i>	2-69
<i>Phasianus colchicus tohkaidi</i>	2-68
<i>Phoebastria albatrus</i>	1-42
<i>Phoenicurus aureus</i>	4-08
<i>Phylloscopus borealoides</i>	5-03
<i>Phylloscopus collybita</i>	4-44
<i>Phylloscopus coronatus</i>	5-04
<i>Phylloscopus examinandus</i>	5-01
<i>Phylloscopus fuscatus</i>	4-45
<i>Phylloscopus ijimae</i>	5-05
<i>Phylloscopus inornatus</i>	4-48
<i>Phylloscopus plumbeitarsus</i>	4-42
<i>Phylloscopus proregulus</i>	4-47
<i>Phylloscopus schwarzi</i>	4-46

<i>Phylloscopus tenellipes</i>	4-43
<i>Phylloscopus xanthodryas</i>	5-02
<i>Pica pica</i>	6-35
<i>Picus awokera</i>	3-17
<i>Picus canus</i>	3-18
<i>Pinicola enucleator</i>	6-14
<i>Pitta nympha</i>	3-32
<i>Pluvialis fulva</i>	2-01
<i>Pluvialis squatarola</i>	2-02
<i>Podiceps cristatus</i>	1-01
<i>Podiceps grisegena</i>	1-02
<i>Podiceps nigricollis</i>	1-03
<i>Poecile ater</i>	5-20
<i>Poecile montanus</i>	5-19
<i>Poecile palustris</i>	5-18
<i>Poecile varius amamii</i>	5-24
<i>Poecile varius owstoni</i>	5-25
<i>Poecile varius varius</i>	5-23
<i>Porzana fusca</i>	1-76
<i>Prunella collaris</i>	3-64
<i>Prunella montanella</i>	3-66
<i>Prunella rubida</i>	3-65
<i>Psittacula krameri</i>	6-51
<i>Pycnonotus sinensi</i>	3-51
<i>Pyrrhula pyrrhula</i>	6-18

R	
<i>Rallina eurizonoides</i>	1-79
<i>Rallus aquaticus</i>	1-75
<i>Recurvirostra avosetta</i>	2-28
<i>Regulus regulus</i>	4-34
<i>Riparia riparia</i>	3-36
<i>Rostratula benghalensis</i>	2-26

S	
<i>Sapheopipo noguchii</i>	3-26
<i>Saxicola torquatus</i>	4-10
<i>Scolopax mira</i>	2-25
<i>Scolopax rusticola</i>	2-24
<i>Sitta europaea amurensis</i>	5-28
<i>Sitta europaea asiatica</i>	5-29
<i>Spilornis cheela</i>	2-36
<i>Spodiopsar cineraceus</i>	6-24
<i>Sterna albifrons</i>	1-56
<i>Sterna hirundo</i>	1-55
<i>Streptopelia chinensis</i>	2-75
<i>Streptopelia decaocto</i>	2-74
<i>Streptopelia orientalis orientalis</i>	2-72
<i>Streptopelia orientalis stimpsoni</i>	2-73
<i>Strix uralensis fuscescens</i>	2-55
<i>Strix uralensis japonica</i>	2-54
<i>Strix uralensis momiyamae</i>	2-53
<i>Sturnus sericeus</i>	6-26
<i>Sula leucogaster</i>	1-46
<i>Synthliboramphus wumizusume</i>	1-40
<i>Syrmaticus soemmerringii</i>	2-70

T	
<i>Tachybaptus ruficollis</i>	1-04
<i>Tadorna tadorna</i>	1-19
<i>Tarsiger cyanurus</i>	4-09
<i>Terpsiphone atrocaudata atrocaudata</i>	5-16
<i>Terpsiphone atrocaudata illex</i>	5-17
<i>Tetrastes bonasia</i>	2-64
<i>Todiramphus chloris</i>	3-13

<i>Treron formosae</i>	2-77		
<i>Treron sieboldii</i>	2-76		
<i>Tringa brevipes</i>	2-16		
<i>Tringa glareola</i>	2-10		
<i>Tringa nebularia</i>	2-15		
<i>Troglodytes troglodytes fumigatus</i>	3-62		
<i>Troglodytes troglodytes mosukei</i>	3-63		
<i>Turdus cardis</i>	4-22		
<i>Turdus celaenops</i>	4-19		
<i>Turdus chrysolaus chrysolaus</i>	4-17		
<i>Turdus chrysolaus orii</i>	4-18		
<i>Turdus hortulorum</i>	4-21		
<i>Turdus iliacus</i>	4-24		
<i>Turdus merula</i>	4-16		
<i>Turdus naumanni eunomus</i>	4-25		
<i>Turdus naumanni naumanni</i>	4-26		
<i>Turdus obscurus</i>	4-20		
<i>Turdus pallidus</i>	4-23		
<i>Turnix suscitator</i>	2-65		
		U	
		<i>Upupa epops</i>	3-16
		<i>Uragus sibiricus</i>	6-17
		<i>Urosphena squameiceps</i>	4-31
		<i>Vanellus cinereus</i>	2-04
		<i>Vanellus vanellus</i>	2-03
		X	
		<i>Xenus cinerea</i>	2-13
		Z	
		<i>Zonotrichia atricapilla</i>	6-06
		<i>Zonotrichia leucophrys</i>	6-05
		<i>Zoothera dauma aurea</i>	4-14
		<i>Zoothera dauma major</i>	4-15
		<i>Zoothera sibirica</i>	4-13
		<i>Zosterops japonicus alani</i>	5-33
		<i>Zosterops japonicus japonicus</i>	5-32
		<i>Zosterops japonicus Ryukyuensis</i>	5-34

Index of Japanese Names(カタカナ)

The first number is Disc, the next number is Track.

ア			
アオアシシギ	2-15	オオカワラヒワ	6-08
アオゲラ	3-17	オオクイナ	1-79
アオサギ	1-66	オオコノハズク	2-58
アオジ	5-41	オオジシギ	2-22
アオシギ	2-23	オオジュリン	6-04
アオバズク	2-61	オオズグロカモメ	1-52
アオバト	2-76	オーストンウミツバメ	1-44
アカエリカイツブリ	1-02	オーストンオオアカゲラ	3-23
アカゲラ	3-24	オーストンヤマガラ	5-25
アカコッコ	4-19	オオセグロカモメ	1-47
アカショウビン	3-11	オオセッカ	4-32
アカハラ	4-17	オオソリハシシギ	2-17
アカヒゲ	4-03	オオタカ	2-44
アカマシコ	6-13	オオトラツグミ	4-15
アカモズ	3-58	オオハクチョウ	1-09
アジサシ	1-55	オオバン	1-73
アトリ	6-11	オオヒシクイ	1-18
アヒル	6-47	オオヒバリ	3-34
アホウドリ	1-42	オオマシコ	6-16
アマツバメ	3-08	オオミズナギドリ	1-43
アマミコゲラ	3-30	オオムシクイ	5-01
アマミヒヨドリ	3-53	オオヨシキリ	4-39
アマミヤマガラ	5-24	オオルリ	5-12
アマミヤマシギ	2-25	オオワシ	2-32
アムールムシクイ	4-43	オガサワラノスリ	2-42
アメリカイソシギ	2-12	オカヨシガモ	1-28
アリスイ	3-20	オサハシブトガラス	6-43
イイジマムシクイ	5-05	オシドリ	1-26
イカル	6-20	オジロビタキ	5-10
イカルチドリ	1-83	オジロワシ	2-31
イシガキシジュウカラ	5-22	オナガ	6-34
イシガキヒヨドリ	3-55	オナガガモ	1-29
イスカ	6-15	オバシギ	2-08
イソシギ	2-11		
イソヒヨドリ	4-11	カ	
イヌワシ	2-33	カイツブリ	1-04
イワツバメ	3-35	カオグロガビチョウ	6-53
イワヒバリ	3-64	カケス	6-31
インドクジャク	6-45	カササギ	6-35
インドハッカ	6-55	カシラダカ	5-38
ウグイス	4-27	ガチョウ	6-48
ウズラ	2-66	カツオドリ	1-46
ウソ	6-18	カッコウ	3-01
ウチヤマセンニュウ	4-36	カノコバト	2-75
ウトウ	1-41	ガビチョウ	6-52
ウミウ	1-06	カモメ	1-51
ウミネコ	1-49	カヤクグリ	3-65
エゾアカゲラ	3-25	カラアカハラ	4-21
エゾオオアカゲラ	3-22	カラスバト	2-71
エゾコゲラ	3-28	カラフトウグイス	4-28
エゾセンニュウ	4-38	カラフトビンズイ	3-46
エゾビタキ	5-15	カラフトムシクイ	4-47
エゾフクロウ	2-54	カラフトムジセッカ	4-46
エゾムシクイ	5-03	カラフトワシ	2-34
エゾヤマセミ	3-10	カリガネ	1-15
エゾライチョウ	2-64	カルガモ	1-21
エナガ	5-26	カワアイサ	1-38
オウチュウ	6-28	カワウ	1-05
オオアカゲラ	3-21	カワガラス	3-61
オオアカハラ	4-18	カワセミ	3-14

カワラヒワ	6-07	サンカノゴイ	1-57
カンムリウミスズメ	1-40	サンコウチョウ	5-16
カンムリカイツブリ	1-01	サンショウクイ	3-49
カンムリワシ	2-36	シジュウカラ	5-21
キアシシギ	2-16	シジュウカラガン	1-11
キガシラシトド	6-06	シチトウメジロ	5-33
キクイタダキ	4-34	シベリアアオジ	5-42
キジ	2-68	シマアオジ	6-01
キジバト	2-72	シマアジ	1-24
キセキレイ	3-41	シマエナガ	5-27
キバシリ	5-30	シマキンパラ	6-56
キビタキ	5-07	シマクイナ	1-77
キマユムシクイ	4-48	シマゴマ	4-05
キュウシュウフクロウ	2-55	シマセンニュウ	4-35
キョウジョシギ	2-14	シマフクロウ	2-51
キレンジャク	3-60	シメ	6-21
キンクロハジロ	1-33	ジュウイチ	3-05
ギンザンマシコ	6-14	ジュウシマツ	6-57
ギンムクドリ	6-26	ショウドウツバメ	3-36
キンメフクロウ	2-60	ジョウビタキ	4-08
クイナ	1-75	シラガホオジロ	5-36
クマゲラ	3-19	シラコバト	2-74
クマタカ	2-35	シロガシラ	3-51
クロウタドリ	4-16	シロカモメ	1-50
クロガモ	1-36	シロチドリ	1-84
クロジ	6-02	シロハラ	4-23
クロツグミ	4-22	シロハラクイナ	1-80
ケアシノスリ	2-40	シロハラゴジュウカラ	5-29
ケイマフリ	1-39	ズアカアオバト	2-77
ケリ	2-04	ズグロカモメ	1-53
コアカゲラ	3-31	ズグロミゾゴイ	1-60
コアジサシ	1-56	スズガモ	1-34
コイカル	6-19	スズメ	6-23
ゴイサギ	1-61	セイタカシギ	2-27
コウノトリ	1-67	セキセイインコ	6-50
コウライウグイス	6-29	セグロカッコウ	3-03
コウライキジ	2-69	セグロカモメ	1-48
コオリガモ	1-35	セグロセキレイ	3-44
コガモ	1-23	セッカ	4-33
コガラ	5-19	センダイムシクイ	5-04
コクガン	1-12	ソウシチョウ	6-54
コクチョウ	6-46	ソデグロヅル	1-71
コクマルガラス	6-37	ソリハシシギ	2-13
コゲラ	3-27	ソリハシセイタカシギ	2-28
コサギ	1-63		
コサメビタキ	5-13	タ	
コシアカツバメ	3-37	ダイサギ	1-65
コシジロウミツバメ	1-45	ダイシャクシギ	2-18
ゴジュウカラ	5-28	ダイゼン	2-02
コジュケイ	2-67	タカブシギ	2-10
コジュリン	6-03	タゲリ	2-03
コチドリ	1-82	タシギ	2-21
コノハズク	2-56	タネコマドリ	4-02
コハクチョウ	1-10	タヒバリ	3-48
コブハクチョウ	1-08	タマシギ	2-26
コマドリ	4-01	ダルマエナガ	5-31
コムクドリ	6-25	タンチョウ	1-70
コヨシキリ	4-41	チゴハヤブサ	2-48
コルリ	4-07	チゴモズ	3-57
		チシマウガラス	1-07
サ		チフチャフ	4-44
サカツラガン	1-16	チュウサギ	1-64
ササゴイ	1-62	チュウシャクシギ	2-20
サシバ	2-39	チュウヒ	2-43
サメビタキ	5-14	チョウゲンボウ	2-49

ツクシガモ	1-19	ホオジロハクセキレイ	3-43
ツグミ	4-25	ホシガラス	6-36
ツツドリ	3-02	ホシハジロ	1-31
ツバメ	3-39	ホトトギス	3-04
ツバメチドリ	2-09	ホンセイインコ	6-51
ツミ	2-46	ホントウアカヒゲ	4-04
ツメナガセキレイ	3-40		
トウネン	2-05	マ	
トキ	1-68	マガモ	1-20
ドバト	2-78	マガン	1-14
トビ	2-38	マキノセンニュウ	4-37
トモエガモ	1-25	マナヅル	1-72
トラツグミ	4-14	マヒワ	6-09
トラフズク	2-52	マミジロ	4-13
		マミジロキビタキ	5-06
		マミチャジナイ	4-20
ナ		ミコアイサ	1-37
ナベヅル	1-69	ミサゴ	2-30
ナンヨウショウビン	3-13	ミゾゴイ	1-59
ニシオジロビタキ	5-11	ミソサザイ	3-62
ニシコクマルガラス	6-38	ミフウズラ	2-65
ニュウナイスズメ	6-22	ミヤケコゲラ	3-29
ノグチゲラ	3-26	ミヤコドリ	1-81
ノゴマ	4-06	ミヤマカケス	6-32
ノジロ	5-43	ミヤマガラス	6-39
ノスリ	2-41	ミヤマシトド	6-05
ノビタキ	4-10	ミヤマホオジロ	5-40
		ミユビシギ	2-07
ハ		ムギマキ	5-09
ハイイロヒレアシシギ	2-29	ムクドリ	6-24
ハイタカ	2-45	ムジセッカ	4-45
ハギマンコ	6-12	ムナグロ	2-01
ハクガン	1-13	ムネアカタヒバリ	3-47
ハクセキレイ	3-42	メグロ	5-35
ハシナガウグイス	4-30	メジロ	5-32
ハシビロガモ	1-22	メダイチドリ	1-85
ハシブトオオヨシキリ	4-40	メボソムシクイ	5-02
ハシブトガラ	5-18	モズ	3-56
ハシブトガラス	6-41	モスキミソサザイ	3-63
ハシボソガラス	6-40	モリツバメ	6-30
ハジロカイツブリ	1-03		
ハチクマ	2-37	ヤ・ラ・ワ	
ハチジョウツグミ	4-26	ヤイロチョウ	3-32
ハッカチョウ	6-27	ヤツガシラ	3-16
ハマシギ	2-06	ヤナギムシクイ	4-42
ハヤブサ	2-47	ヤブサメ	4-31
バリケン	6-49	ヤマガラ	5-23
バン	1-74	ヤマゲラ	3-18
ヒガラ	5-20	ヤマシギ	2-24
ヒクイナ	1-76	ヤマセミ	3-09
ヒシクイ	1-17	ヤマドリ	2-70
ヒドリガモ	1-30	ヤマヒバリ	3-66
ヒバリ	3-33	ヤンバルクイナ	1-78
ヒメアマツバメ	3-07	ユリカモメ	1-54
ヒメイソヒヨ	4-12	ヨシガモ	1-27
ヒヨドリ	3-52	ヨシゴイ	1-58
ヒレンジャク	3-59	ヨタカ	3-06
ビンズイ	3-45	ライチョウ	2-63
フクロウ	2-53	リュウキュウアオバズク	2-62
ブッポウソウ	3-15	リュウキュウアカショウビン	3-12
ベニヒワ	6-10	リュウキュウウグイス	4-29
ベニマシコ	6-17	リュウキュウオオコノハズク	2-59
ホウロクシギ	2-19	リュウキュウキジバト	2-73
ホオアカ	5-39	リュウキュウキビタキ	5-08
ホオジロ	5-37	リュウキュウコノハズク	2-57
ホオジロガモ	1-32		

リュウキュウサンコウチョウ	5-17	ルリカケス	6-33
リュウキュウサンショウクイ	3-50	ルリビタキ	4-09
リュウキュウツバメ	3-38	ワキアカツグミ	4-24
リュウキュウハシブトガラス	6-42	ワシミミズク	2-50
リュウキュウヒヨドリ	3-54	ワタリガラス	6-44
リュウキュウメジロ	5-34		

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