



# SUMMARY CATALOG OF SOUND ARCHIVE RECORDINGS

11-17-2005

## BORROR LABORATORY OF BIOACOUSTICS

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**BLB RECORDINGS**

The Borrer Laboratory was founded by Dr. Donald J. Borrer. From 1945 to 1987, original recordings in the collection were made primarily by him, with contributions also from his students, OSU faculty and staff, and BLB associates. Today collection augmentation is primarily from the research efforts by the BLB staff and students, but increasingly we receive material from outside contributors. This catalog summarizes the Borrer Laboratory's current holdings and is organized taxonomically within each class.

Taxonomy and nomenclature of North and Central American birds follow the 1998 "AOU Checklist" and its subsequent annual updates; for other bird species, "Birds of the World" (Sibley & Monroe 1990) is the primary reference. Mammal taxonomy follows "Walker's Mammals of the World" (Nowak 1999). Amphibian taxonomy follows "Biology of the Amphibians" (Duellman & Trueb 1986). Insect taxonomy follows "American Insects: A Handbook of the Insects of American North of Mexico" (Arnett, R.H. 1993) and "Handbook of Katydid and Crickets of America North of Mexico" (Walker, T.J. 1998 on the World Wide Web).

The information given for each species consists of:

- 1) the number of recordings ("recordings" are termed "cuts" by some recordists and archives) as #/#r, where the first number is the number of original recordings, and the second is the number of copies from other collections or individuals
- 2) the total running time of all cuts in hours, minutes, and seconds (00:00:00), or minutes and seconds (00:00)
- 3) the localities from which the recordings were obtained. Locations are reported as US Postal two letter state/province codes for the United States and Canada; other country names are given in full.

**SUMMARY OF RECORDINGS IN THE COLLECTION OF THE  
BORRER LABORATORY OF BIOACOUSTICS**

	Recordings			# of Species
	# of Originals	# of Copies	Total	
Aves	25,809	1,234	27,043	1,005
Mammalia	804	29	833	105
Reptilia	24	0	24	11
Amphibia	721	15	736	74
Osteichthyes	6	0	6	3
Arthropoda	2,450	67	2,517	274
Environmental	67	0	67	
<b>Total</b>	<b>29,881</b>	<b>1,345</b>	<b>31,226</b>	<b>1,472</b>

## Aves

### Struthioniformes

#### Casuariidae

emu

*Dromaius novae-hollandiae* 3/0r, 01:42; (captive NH,OH)

### Tinamiformes

#### Tinamidae

little tinamou

*Crypturellus soui* 5/1r, 06:05; Costa Rica, Guyana

### Anseriformes

#### Anhimidae

horned screamer

*Anhina cornuta* 0/1r, 12:07; Columbia

northern (black-necked) screamer

*Chauna chavaria* 1/1r, 18:30; (captive OH) Columbia

southern (crested) screamer

*Chauna torquata* 0/1r, 03:38; (captive England)

#### Anatidae Dendrocygninae

black-bellied whistling duck

*Dendrocygna autumnalis* 6/0r, 04:31; TX

#### Anatidae Anserinae

greater white-fronted goose

*Anser albifrons* 18/0r, 16:31; AK, CA

domestic goose

*Unknown domestic goose sp.* 1/0r, 00:18; OH

African goose

*Unknown African goose sp.* 3/0r, 03:33; OH

emperor goose

*Chen canagica* 17/0r, 21:30; (captive NH) AK

snow goose

*Chen caerulescens* 12/0r, 14:20; CA

Ross's goose

*Chen rossii* 9/0r, 11:56; CA

brant

*Branta bernicla* 6/0r, 17:40; (captive NH) AK, CA

cackling goose

*Branta hutchinsii* 34/0r, 57:07; AK, CA

Canada goose

*Branta canadensis* 63/0r, 1:09:51; (captive OH) AK, CO, NC, OH, OR, UT, WY

mute swan

*Cygnus olor* 1/0r, 14:34; UT

trumpeter swan

*Cygnus buccinator* 1/2r, 09:03; (captive NH) WA

tundra (whistling) swan

*Cygnus columbianus* 4/2r, 20:41; MB, OH, UT

whooper swan

*Cygnus cygnus* 1/0r, 00:14; (captive NH)

#### Anatidae Anatinae

wood duck

*Aix sponsa* 19/0r, 20:27; (captive OH,PA) FL, MN, OH, PA

gadwall

*Anas strepera* 6/0r, 09:00; FL, OH, UT, VA

American wigeon

*Anas americana* 13/0r, 31:08; FL, OH, UT

American black duck

*Anas rubripes* 3/0r, 02:06; ME, OH

mallard

*Anas platyrhynchos* 29/0r, 31:59; (captive OH,PA) AZ, MI, ND, OH, PA, UT

mottled duck

*Anas fulvigula* 4/0r, 02:04; FL, TX

Laysan duck

*Anas laysanensis* 0/1r, 01:03; HI

blue-winged teal

*Anas discors* 6/0r, 10:46; MT, OH, UT

cinnamon teal

*Anas cyanoptera* 5/0r, 09:04; UT

northern shoveler

*Anas clypeata* 7/0r, 22:08; LA, MB, UT

northern pintail

*Anas acuta* 5/0r, 07:12; AK, PA

green-winged teal

*Anas crecca* 4/0r, 07:02; AK, UT

brown teal

*Anas aucklandica* 3/0r, 02:59; (captive New Zealand)

redhead

*Aythya americana* 6/0r, 18:19; MT, UT

ring-necked duck

*Aythya collaris* 2/0r, 00:55; ME, WY

greater scaup

*Aythya marila* 5/0r, 04:37; AK, PA

lesser scaup

*Aythya affinis* 1/0r, 01:26; MB

Steller's eider

*Polysticta stelleri* 5/0r, 04:40; AK, CA

common eider

*Somateria mollissima* 4/0r, 02:56; AK, MB, ME

harlequin duck

*Histrionicus histrionicus* 8/0r, 05:35; AK

surf scoter

*Melanitta perspicillata* 3/0r, 14:36; AK

white-winged scoter	<i>Melanitta fusca</i>	1/0r, 00:19; AK
black scoter	<i>Melanitta nigra</i>	23/0r, 33:32; AK
long-tailed duck	<i>Clangula hyemalis</i>	14/0r, 27:22; AK, MB
common goldeneye	<i>Bucephala clangula</i>	1/0r, 01:13; AK
hooded merganser	<i>Lophodytes cucullatus</i>	1/0r, 00:53; PA
ruddy duck	<i>Oxyura jamaicensis</i>	5/0r, 13:10; ND, UT

**Galliformes**

## Cracidae

plain chachalaca	<i>Ortalis vetula</i>	13/0r, 40:11; TX
Wagler's (W.Mexican) chachalaca	<i>Ortalis poliocephala</i>	1/0r, 03:03; Mexico
crested guan	<i>Penelope purpurascens</i>	1/0r, 01:47; Costa Rica
black (crested) curassow	<i>Crax alector</i>	1/0r, 01:10; (captive OH)

## Phasianidae Phasianinae

chukar	<i>Alectoris chukar</i>	2/0r, 08:56; UT
Chinese francolin	<i>Francolinus pintadeanus</i>	0/1r, 03:22; Thailand
Himalayan snowcock	<i>Tetraogallus himalayensis</i>	15/0r, 38:07; NV
gray partridge	<i>Perdix perdix</i>	1/0r, 04:57; (captive UT)
blood pheasant	<i>Ithaginis cruentus</i>	1/0r, 05:56; China
domestic chicken	<i>Gallus gallus domesticus</i>	37/0r, 39:28; (captive OH,UT) UT
blue eared-pheasant	<i>Crossoptilon auritum</i>	2/0r, 01:29; China
ring-necked pheasant	<i>Phasianus colchicus</i>	13/0r, 08:03; (captive OH) China, OH
common peafowl (peacock)	<i>Pavo cristatus</i>	1/0r, 00:06; (captive OH)

## Phasianidae Tetraoninae

ruffed grouse	<i>Bonasa umbellus</i>	13/3r, 1:03:29; MI, MN, NY, OH, Unknown, UT, WA
Gunnison sage-grouse	<i>Centrocercus minimus</i>	5/0r, 45:11; CA, CO
willow ptarmigan	<i>Lagopus lagopus</i>	15/0r, 30:36; AK, MB
rock ptarmigan	<i>Lagopus muta</i>	7/0r, 08:31; AK
blue grouse	<i>Dendragapus obscurus</i>	8/0r, 11:21; UT, WA, WY
white-tailed ptarmigan	<i>Lagopus leucura</i>	3/1r, 49:53; CO, MT
western capercaillie	<i>Tetrao urogallus</i>	0/4r, 04:48; Germany, Sweden
sharp-tailed grouse	<i>Tympanuchus phasianellus</i>	2/0r, 1:12:29; ID
greater prairie-chicken	<i>Tympanuchus cupido</i>	0/1r, 05:55; IN

## Phasianidae Meleagridinae

wild turkey	<i>Meleagris gallopavo silvestris</i>	25/0r, 28:27; (captive OH) AZ, NY, OH, TX, UT, WA
domestic turkey	<i>Meleagris gallopavo</i>	26/0r, 16:15; (captive OH)

## Phasianidae Numidinae

helmeted guineafowl	<i>Numida meleagris</i>	2/0r, 04:28; (captive OH,TX)
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## Odontophorinae

northern bobwhite	<i>Colinus virginianus</i>	38/0r, 1:02:54; (captive OH,UT) FL, IA, MO, OH, OK, OR, TX, VA
scaled quail	<i>Callipepla squamata</i>	4/1r, 08:07; AZ, TX, Unknown
Gambel's quail	<i>Callipepla gambelii</i>	13/1r, 23:07; AZ, UT
California quail	<i>Callipepla californica</i>	21/0r, 53:24; AZ, CA, OR
mountain quail	<i>Oreortyx pictus</i>	7/0r, 1:16:45; (captive NV) CA

**Gaviiformes**

## Gaviidae

red-throated loon	<i>Gavia stellata</i>	4/2r, 15:59; AK, NT
Pacific loon	<i>Gavia pacifica</i>	8/0r, 15:07; AK, MB
common loon	<i>Gavia immer</i>	79/1r, 2:58:09; AK, ME, MI, MN, ON

## Podicipediformes

### Podicipedidae

pied-billed grebe	<i>Podilymbus podiceps</i>	10/0r, 15:55; IL, ME, MT, ND, WA
horned grebe	<i>Podiceps auritus</i>	0/1r, 00:50; MB
red-necked grebe	<i>Podiceps grisegena</i>	1/0r, 08:33; AK
eared grebe	<i>Podiceps nigricollis</i>	1/0r, 01:34; MN
western grebe	<i>Aechmophorus occidentalis</i>	17/0r, 25:03; ND, Unknown, UT
Clark's grebe	<i>Aechmophorus clarkii</i>	8/0r, 26:31; Unknown, UT

## Procellariiformes

### Diomedidae

waved albatross	<i>Diomedae irrorata</i>	8/0r, 14:22; Ecuador
Laysan albatross	<i>Phoebastria immutabilis</i>	14/0r, 35:13; USA Territory
black-footed albatross	<i>Phoebastria nigripes</i>	5/0r, 07:39; USA Territory

### Procellariidae

northern fulmar	<i>Fulmarus glacialis</i>	0/0r, 00:00;
Trinidad petrel	<i>Pterodroma a. arminjoniana</i>	1/0r, 02:34; Mauritius
Juan Fernandez petrel	<i>Pterodroma externa</i>	13/0r, 51:59; Chile
Stejneger's petrel	<i>Pterodroma longirostris</i>	4/0r, 16:13; Chile
pink-footed shearwater	<i>Puffinus creatopus</i>	17/0r, 1:05:32; Chile
wedge-tailed shearwater	<i>Puffinus pacificus</i>	6/0r, 13:06; (captive Mauritius) Mauritius, USA Territory
Christmas shearwater	<i>Puffinus nativitatis</i>	1/2r, 12:25; Kiribati, USA Territory

### Hydrobatidae

Leach's storm-petrel	<i>Oceanodroma leucorhoa</i>	9/2r, 41:22; (captive ME) ME, NB
ashy storm-petrel	<i>Oceanodroma homochroa</i>	4/0r, 11:33; CA

## Pelecaniformes

### Phaethontidae

red-tailed tropicbird	<i>Phaethon rubricauda</i>	10/0r, 08:04; USA Territory
white-tailed tropicbird	<i>Phaethon lepturus</i>	1/0r, 00:05; Mauritius

### Sulidae

Nazca booby	<i>Sula granti</i>	11/0r, 12:28; Ecuador
blue-footed booby	<i>Sula nebouxii</i>	6/0r, 06:54; Ecuador
red-footed booby	<i>Sula sula</i>	9/0r, 02:55; USA Territory
northern gannet	<i>Morus bassanus</i>	1/0r, 00:46; PQ

### Phalacrocoracidae

double-crested cormorant	<i>Phalacrocorax auritus</i>	13/0r, 57:57; FL, ME, UT
great cormorant	<i>Phalacrocorax carbo</i>	0/4r, 06:42; England
red-faced cormorant	<i>Phalacrocorax urile</i>	6/0r, 32:00; AK
pelagic cormorant	<i>Phalacrocorax pelagicus</i>	4/1r, 14:33; AK, CA, WA

### Anhingidae

anhinga	<i>Anhinga anhinga</i>	1/0r, 02:03; FL
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### Fregatidae

magnificent frigatebird	<i>Fregata magnificens</i>	0/2r, 01:50; Ecuador
great frigatebird	<i>Fregata minor</i>	3/0r, 06:12; USA Territory

## Ciconiiformes

### Ardeidae

American bittern	<i>Botaurus lentiginosus</i>	5/0r, 04:40; (captive OH) MI, NY, UT
least bittern	<i>Ixobrychus exilis</i>	2/0r, 03:08; FL, ND
bare-throated tiger-heron	<i>Tigrisoma mexicanum</i>	3/0r, 02:22; Costa Rica

great blue heron	<i>Ardea herodias</i>	41/0r, 1:04:56; FL, ME, MI, OH, UT
great egret	<i>Ardea albus</i>	2/0r, 04:48; FL
snowy egret	<i>Egretta thula</i>	5/0r, 06:00; TX, UT
little blue heron	<i>Egretta caerulea</i>	1/2r, 09:42; AL, FL, Unknown
tricolored (Louisiana) heron	<i>Egretta tricolor</i>	1/1r, 00:12; FL
cattle egret	<i>Bubulcus ibis</i>	0/2r, 13:51; AL
green-backed (green) heron	<i>Butorides striata</i>	10/0r, 05:18; AZ, Costa Rica, FL, ME, MO, OH, TX
black-crowned night-heron	<i>Nycticorax nycticorax</i>	17/0r, 10:53; CA, Costa Rica, FL, ME, ND, OH, UT
yellow-crowned night-heron	<i>Nyctanassa violaceus</i>	1/0r, 00:09; MO
Threskiornithidae		
white ibis	<i>Eudocimus albus</i>	1/0r, 04:44; FL
glossy ibis	<i>Plegadis falcinellus</i>	2/0r, 00:26; VA
white-faced ibis	<i>Plegadis chihi</i>	8/0r, 24:09; TX, UT
Ciconiidae		
wood stork	<i>Mycteria americana</i>	2/1r, 02:42; Costa Rica, FL
marabou stork	<i>Leptoptilus crumeniferus</i>	2/0r, 05:07; (captive OH)
Cathartidae		
black vulture	<i>Coragyps atratus</i>	1/0r, 02:05; OH
turkey vulture	<i>Cathartes aura</i>	1/0r, 00:14; AZ
<b>Phoenicopteriformes</b>		
Phoenicopteridae		
American flamingo	<i>Phoenicopus ruber</i>	2/0r, 02:59; (captive OH)
<b>Falconiformes</b>		
Accipitriidae Pandioninae		
osprey	<i>Pandion haliaetus</i>	29/0r, 37:36; FL, ME, MI, UT
Accipitriidae Accipitrinae		
swallow-tailed kite	<i>Elanoides forficatus</i>	2/0r, 01:06; Costa Rica, FL
snail kite	<i>Rostrhamus sociabilis</i>	3/3r, 11:54; Costa Rica, FL
bald eagle	<i>Haliaeetus leucocephalus</i>	4/1r, 08:13; MI, OH, Unknown, WA
northern harrier	<i>Circus cyaneus</i>	27/0r, 1:08:57; (captive WI) MT, NB, NY, UT, WI
sharp-shinned hawk	<i>Accipiter striatus</i>	2/0r, 04:43; TX, UT
Cooper's hawk	<i>Accipiter cooperii</i>	5/2r, 21:37; OH, WA
northern goshawk	<i>Accipiter gentilis</i>	2/2r, 13:00; Unknown, WI
gray hawk	<i>Asturina nitida</i>	1/0r, 04:39; AZ
common black hawk	<i>Buteogallus anthracinus</i>	3/0r, 03:56; AZ, UT
Harris' hawk	<i>Parabuteo unicinctus</i>	1/1r, 03:22; AZ, TX
red-shouldered hawk	<i>Buteo lineatus</i>	23/1r, 21:24; (captive OH) FL, ID, OH, TX
broad-winged hawk	<i>Buteo platypterus</i>	4/0r, 15:23; ME, MI, OH
short-tailed hawk	<i>Buteo brachyurus</i>	0/2r, 01:00; Brazil, Mexico
Swainson's hawk	<i>Buteo swainsoni</i>	3/1r, 15:40; Unknown, UT
Galapagos hawk	<i>Buteo galapagoensis</i>	8/0r, 13:45; Ecuador
zone-tailed hawk	<i>Buteo albonotatus</i>	2/0r, 06:19; AZ
red-tailed hawk	<i>Buteo jamaicensis</i>	22/1r, 48:26; (captive OH) FL, Mexico, OH, OR, UT, WI
ferruginous hawk	<i>Buteo regalis</i>	3/1r, 27:00; Unknown, UT
golden eagle	<i>Aquila chrysaetos</i>	1/0r, 01:33; YT
Falconidae Caracarinae		
crested caracara	<i>Polyborus plancus</i>	1/3r, 05:04; (captive AZ,FL) FL
Falconidae Micrasturinae		
collared forest-falcon	<i>Micrastur semitorquatus</i>	4/0r, 02:30; Costa Rica

Falconidae Falconinae

laughing falcon	<i>Herpetotheres cachinnans</i>	2/0r, 04:00; Costa Rica
American kestrel	<i>Falco sparverius</i>	11/1r, 27:12; (captive ME) CA, ME, OH, UT
merlin	<i>Falco columbarius</i>	5/1r, 13:03; (captive UT) MB, Unknown
bat falcon	<i>Falco ruficularis</i>	1/0r, 03:52; Belize
peregrine falcon	<i>Falco peregrinus</i>	2/2r, 17:18; Greenland, NT
prairie falcon	<i>Falco mexicanus</i>	3/0r, 15:59; (captive OH,UT) UT

**Gruiformes**

Rallidae

yellow rail	<i>Coturnicops noveboracensis</i>	4/1r, 06:11; MD, MI
ruddy crake	<i>Laterallus ruber</i>	1/0r, 02:13; Guatemala
white-throated crake	<i>Laterallus albigularis</i>	4/0r, 18:44; Costa Rica
black rail	<i>Laterallus jamaicensis</i>	5/2r, 05:38; AZ, FL, MD, Unknown
clapper rail	<i>Rallus longirostris</i>	27/5r, 38:47; AZ, CA, FL, NJ, Unknown, VA
king rail	<i>Rallus elegans</i>	7/1r, 14:37; FL, LA, OH, Unknown, VA
Virginia rail	<i>Rallus limicola</i>	5/2r, 10:13; AZ, OH, Unknown, UT
sora	<i>Porzana carolina</i>	11/2r, 20:33; AB, FL, MB, MI, OH, Unknown, UT
common moorhen (gallinule)	<i>Gallinula chloropus</i>	12/0r, 20:34; AZ, FL, Mauritius, OH, SC
American coot	<i>Fulica americana</i>	29/0r, 50:18; AZ, CA, FL, MT, UT

Aramidae

limpkin	<i>Aramus guarauna</i>	23/0r, 35:38; Costa Rica, FL
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Gruidae

sandhill crane	<i>Grus canadensis</i>	23/2r, 33:24; (captive NH,WI) CA, FL, GA, IN, MB, MI, WY
common crane	<i>Grus grus</i>	1/0r, 00:16; (captive WI)
whooping crane	<i>Grus americana</i>	2/1r, 02:02; (captive WI) Unknown
white-naped crane	<i>Grus vipio</i>	2/0r, 01:29; (captive WI)
sarus crane	<i>Grus antigone</i>	10/0r, 05:45; (captive WI)
brolga crane	<i>Grus rubicunda</i>	3/0r, 01:12; (captive WI)
Siberian crane	<i>Grus leucogeranus</i>	10/0r, 06:59; (captive WI)
red-crowned crane	<i>Grus japonensis</i>	5/0r, 04:02; (captive WI)
demoiselle crane	<i>Antropoides virgo</i>	2/0r, 00:24; (captive WI)

Eurypygidae

sun bittern	<i>Eurypyga helias</i>	1/0r, 00:02; (captive OH)
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**Charadriiformes**

Burhinidae

double-striped thick-knee	<i>Burhinus bistriatus</i>	5/0r, 07:28; (captive OH) Costa Rica
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Charadriidae

black-bellied plover	<i>Pluvialis squatarola</i>	12/0r, 15:00; AK, CA, FL, ME, TX, UT
American golden-plover	<i>Pluvialis dominica</i>	7/2r, 14:10; AK, MB
Pacific golden plover	<i>Pluvialis fulva</i>	3/0r, 01:30; AK
lesser sand-plover	<i>Charadrius mongolus</i>	3/0r, 01:07; AK
snowy plover	<i>Charadrius alexandrinus</i>	13/1r, 53:05; CA, UT
Wilson's plover	<i>Charadrius wilsonia</i>	3/0r, 02:22; FL, TX
semipalmated plover	<i>Charadrius semipalmatus</i>	18/0r, 15:24; AK, MB, ME, OH
piping plover	<i>Charadrius melodus</i>	1/0r, 00:09; FL
killdeer	<i>Charadrius vociferus</i>	37/0r, 43:33; AZ, CA, CO, MI, MT, ND, OH, OR, UT, WA
mountain plover	<i>Charadrius montanus</i>	7/1r, 20:05; CO, MT, UT, WY

Haematopodidae

American oystercatcher	<i>Haematopus palliatus</i>	2/2r, 10:09; Ecuador, FL, Mexico
black oystercatcher	<i>Haematopus bachmani</i>	13/0r, 18:44; AK, CA, WA

Recurvirostridae		
black-necked stilt	<i>Himantopus mexicanus</i>	31/0r, 38:50; CA, FL, TX, UT
American avocet	<i>Recurvirostra americana</i>	16/0r, 18:37; CA, CO, MT, ND, TX, UT, WY
Jacanidae		
northern jacana	<i>Jacana spinosa</i>	3/0r, 01:10; Costa Rica
Scolopacidae Scolopacinae		
greater yellowlegs	<i>Tringa melanoleuca</i>	12/0r, 20:08; AK, FL, ME, OH, TX, UT
lesser yellowlegs	<i>Tringa flavipes</i>	15/0r, 23:11; (captive MB) AK, MA, MB, NH, OH, TX
solitary sandpiper	<i>Tringa solitaria</i>	4/0r, 01:48; OH
willet	<i>Catoptrophorus semipalmatus</i>	36/0r, 33:17; CA, FL, MT, TX, UT, VA, WY
wandering tattler	<i>Heteroscelus incanus</i>	1/0r, 01:51; AK
spotted sandpiper	<i>Actitis macularius</i>	20/0r, 37:29; ME, MI, OH, UT
upland sandpiper	<i>Bartramia longicauda</i>	9/0r, 05:09; ND, OH
whimbrel	<i>Numenius phaeopus</i>	8/2r, 12:30; AK, FL, MB
bristle-thighed curlew	<i>Numenius tahitiensis</i>	2/0r, 03:38; AK
Eurasian curlew	<i>Numenius arquata</i>	6/0r, 28:15; Scotland
long-billed curlew	<i>Numenius americanus</i>	70/0r, 3:31:35; CO, TX, Unknown, UT
Hudsonian godwit	<i>Limosa haemastica</i>	14/1r, 12:35; AK, MB
bar-tailed godwit	<i>Limosa lapponica</i>	18/0r, 21:28; AK
marbled godwit	<i>Limosa fedoa</i>	11/0r, 22:28; CA, MT, ND, UT
ruddy turnstone	<i>Arenaria interpres</i>	17/1r, 21:23; AK, FL, ME, NT
black turnstone	<i>Arenaria melanocephala</i>	1/0r, 15:29; AK
surfbird	<i>Aphriza virgata</i>	4/0r, 13:01; AK
sanderling	<i>Calidris alba</i>	3/0r, 02:38; FL, ME, TX
semipalmated sandpiper	<i>Calidris pusilla</i>	22/0r, 40:53; AK, ME, TX
western sandpiper	<i>Calidris mauri</i>	16/0r, 22:57; AK, UT, WA
red-necked stint	<i>Calidris ruficollis</i>	1/0r, 00:03; AK
Temminck's stint	<i>Calidris temminckii</i>	6/0r, 07:23; AK
least sandpiper	<i>Calidris minutilla</i>	9/0r, 13:05; AK, ME, OH
white-rumped sandpiper	<i>Calidris fuscicollis</i>	3/0r, 01:22; ME
pectoral sandpiper	<i>Calidris melanotos</i>	12/0r, 12:52; AK, OH
rock sandpiper	<i>Calidris ptilocnemis</i>	18/0r, 49:38; AK
dunlin	<i>Calidris alpina</i>	10/0r, 10:08; AK, FL, OH
buff-breasted sandpiper	<i>Tryngites subruficollis</i>	3/0r, 02:16; (captive AK) AK
short-billed dowitcher	<i>Limnodromus griseus</i>	5/0r, 03:07; (captive MB) FL, ME
long-billed dowitcher	<i>Limnodromus scolopaceus</i>	11/0r, 15:05; AK, CA, TX, UT
Wilson's snipe	<i>Gallinago delicata</i>	11/0r, 28:37; AK, MI, MT, NY, OR
American woodcock	<i>Scolopax minor</i>	15/0r, 54:56; MI, NH, NY, OH, ON, WV
Scolopacidae Phalaropinae		
Wilson's phalarope	<i>Phalarope tricolor</i>	7/0r, 07:00; MT, ND, UT
red-necked (northern) phalarope	<i>Phalaropus lobatus</i>	4/2r, 24:08; AK, Iceland, MB
red phalarope	<i>Phalaropus fulicarius</i>	5/0r, 04:33; AK
Laridae Stercorariinae		
pomarine jaeger	<i>Stercorarius pomarinus</i>	0/1r, 02:40; NT
parasitic jaeger	<i>Stercorarius parasiticus</i>	3/0r, 07:24; AK
long-tailed jaeger	<i>Stercorarius longicaudus</i>	1/0r, 06:10; AK
Laridae Larinae		
laughing gull	<i>Larus atricilla</i>	20/0r, 31:58; FL, ME, TX
Franklin's gull	<i>Larus pipixcan</i>	5/0r, 05:45; MT, UT
Bonaparte's gull	<i>Larus philadelphia</i>	10/0r, 13:29; AK, MB
Heermann's gull	<i>Larus heermanni</i>	3/0r, 07:08; WA



mew gull	<i>Larus canus</i>	11/0r, 23:31; AK, WA
ring-billed gull	<i>Larus delawarensis</i>	8/0r, 13:24; FL, MT, UT
California gull	<i>Larus californicus</i>	9/1r, 36:29; MT, UT
herring gull	<i>Larus argentatus</i>	75/0r, 1:49:30; (captive OH) AK, ME
yellow-footed gull	<i>Larus livens</i>	0/0r, 00:00;
western gull	<i>Larus occidentalis</i>	17/0r, 34:56; CA, Mexico
glaucous gull	<i>Larus hyperboreus</i>	26/0r, 43:47; AK, WA
great black-backed gull	<i>Larus marinus</i>	32/1r, 1:03:16; MA, ME, Unknown
Sabine's gull	<i>Xema sabini</i>	0/2r, 01:18; Russia
black-legged kittiwake	<i>Rissa tridactyla</i>	12/0r, 34:10; AK, PQ
red-legged kittiwake	<i>Rissa brevirostris</i>	10/0r, 15:55; AK
<b>Laridae Sterninae</b>		
gull-billed tern	<i>Sterna nilotica</i>	2/0r, 02:22; FL, TX
Caspian tern	<i>Sterna caspia</i>	6/0r, 10:41; CA, FL, TX, UT
royal tern	<i>Sterna maxima</i>	4/0r, 05:12; FL, TX
elegant tern	<i>Sterna elegans</i>	13/0r, 14:16; CA
roseate tern	<i>Sterna dougallii</i>	0/2r, 08:06; CT, NY
common tern	<i>Sterna hirundo</i>	14/0r, 54:24; ME
arctic tern	<i>Sterna paradisaea</i>	12/1r, 46:06; AK, MB, ME, NT
Forster's tern	<i>Sterna forsteri</i>	23/0r, 33:04; CA, TX, UT
least tern	<i>Sterna antillarum</i>	7/0r, 17:34; FL, TX
Aleutian tern	<i>Sterna aleutica</i>	6/0r, 20:29; AK
gray-backed tern	<i>Sterna lunata</i>	7/0r, 00:31; HI
bridled tern	<i>Sterna anaethetus</i>	0/2r, 13:58; Seychelle Islands
sooty tern	<i>Sterna fuscata</i>	3/0r, 03:16; USA Territory
black tern	<i>Chlidonias niger</i>	10/0r, 24:43; MT, ND, OH, UT
brown (common) noddy	<i>Anous stolidus</i>	1/0r, 00:05; USA Territory
black (white-capped) noddy	<i>Anous minutus</i>	4/0r, 05:01; French Polynesia, USA Territory
white (fairy) tern	<i>Gygis alba</i>	4/0r, 02:48; USA Territory
<b>Laridae Rynchopinae</b>		
black skimmer	<i>Rynchops nigra</i>	6/0r, 04:32; CA, FL, TX
<b>Alcidae</b>		
common murre	<i>Uria aalge</i>	5/0r, 22:19; AK, CA, PQ
thick-billed murre	<i>Uria lomvia</i>	11/0r, 46:01; AK
black guillemot	<i>Cepphus grylle</i>	33/0r, 1:07:15; ME
pigeon guillemot	<i>Cepphus columba</i>	51/0r, 1:18:44; AK, CA, WA
marbled murrelet	<i>Brachyramphus marmoratus</i>	1/2r, 15:38; (captive Unknown) AK, CA
Cassin's auklet	<i>Ptychoramphus aleuticus</i>	26/0r, 42:14; CA
parakeet auklet	<i>Aethia psittacula</i>	3/0r, 22:35; AK
least auklet	<i>Aethia pusilla</i>	15/0r, 32:00; AK
whiskered auklet	<i>Aethia pygmaea</i>	0/1r, 02:00; AK
crested auklet	<i>Aethia cristatella</i>	17/0r, 1:23:57; AK
Atlantic puffin	<i>Fratercula arctica</i>	2/0r, 01:46; ME
tufted puffin	<i>Fratercula cirrhata</i>	1/0r, 05:24; AK
<b>Columbiformes</b>		
<b>Columbidae</b>		
rock pigeon	<i>Columba livia</i>	2/0r, 00:52; (captive PA) OH
pale-vented pigeon	<i>Patagioenas cayennensis</i>	1/0r, 01:09; Costa Rica
ruddy pigeon	<i>Patagioenas subvinacea</i>	4/0r, 16:47; Costa Rica
short-billed pigeon	<i>Patagioenas nigrirostris</i>	12/0r, 22:04; Costa Rica
ringed turtle-dove	<i>Streptopelia risoria</i>	44/0r, 1:00:32; (captive OH)
Eurasian collared-dove	<i>Streptopelia decaocto</i>	4/0r, 02:24; The Netherlands

zebra dove	<i>Geopelia striata</i>	3/0r, 02:31; French Polynesia, HI, Mauritius
white-winged dove	<i>Zenaida asiatica</i>	31/0r, 39:18; AZ, NM, TX, UT
mourning dove	<i>Zenaida macroura</i>	59/0r, 1:00:43; AZ, FL, KY, ME, ND, NH, OH, SC, TX, UT
Inca dove	<i>Columbina inca</i>	5/0r, 13:34; (captive AZ) TX
common ground-dove	<i>Columbina passerina</i>	12/1r, 14:42; AZ, FL, TX
blue ground-dove	<i>Claravis pretiosa</i>	2/0r, 00:36; Costa Rica
white-tipped dove	<i>Leptotila verreauxi</i>	9/0r, 15:51; Costa Rica, TX

**Psittaciformes**

## Cacatuidae

white cockatoo	<i>Cacatua alba</i>	2/0r, 02:09; UT
cockatiel	<i>Nymphicus hollandicus</i>	1/0r, 03:06; UT

## Psittacidae Platycerinae

budgerigar	<i>Melopsittacus undulatus</i>	25/0r, 06:48; (captive NY,OH)
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## Psittacidae Arinae

African grey parrot	<i>Psittacus erithacus</i>	1/0r, 16:46; (captive OH)
red-winged parrot	<i>Aprosmictus erythropterus</i>	1/0r, 01:00; UT
Socorro parakeet	<i>Aratinga holochlora brevipes</i>	4/0r, 08:56; Mexico
crimson-fronted parakeet	<i>Aratinga finschi</i>	2/0r, 03:41; Costa Rica
sun parakeet	<i>Aratinga solstitialis</i>	1/0r, 01:45; UT
orange-fronted parakeet	<i>Aratinga canicularis</i>	2/0r, 02:45; Costa Rica
burrowing parrot	<i>Cyanoliseus patagonus</i>	2/0r, 03:49; UT
ring-necked parakeet	<i>Psittacula krameri</i>	4/0r, 03:35; Mauritius
Mauritius parakeet	<i>Psittacula echo</i>	1/0r, 00:31; Mauritius
scarlet macaw	<i>Ara macao</i>	2/0r, 02:16; (captive OH) UT
red-and-green macaw	<i>Ara chloroptera</i>	1/0r, 02:18; UT
thick-billed parrot	<i>Rhynchopsitta pachyrhyncha</i>	1/0r, 11:08; (captive AZ)
barred parakeet	<i>Bolborhynchus lineola</i>	3/0r, 02:24; Costa Rica
orange-chinned parakeet	<i>Brotogeris jugularis</i>	4/0r, 01:01; (captive Panama) Costa Rica
white-winged parakeet	<i>Brotogeris versicolurus</i>	0/2r, 06:49; Bolivia, CA
blue-headed parrot	<i>Pionus menstruus</i>	2/0r, 00:48; Costa Rica
white-crowned parrot	<i>Pionus senilis</i>	6/0r, 14:32; Costa Rica
dusky parrot	<i>Pionus fuscus</i>	2/0r, 01:07; UT
white-fronted parrot	<i>Amazona albifrons</i>	4/0r, 03:33; Costa Rica
Cuban parrot	<i>Amazona leucocephala</i>	1/0r, 00:27; Cuba
lilac-crowned parrot	<i>Amazona finschi</i>	1/0r, 01:11; (captive AZ)
yellow-headed parrot	<i>Amazona oratrix</i>	1/0r, 01:33; UT
yellow-naped parrot	<i>Amazona auropalliata</i>	2/0r, 01:35; Costa Rica
mealy parrot	<i>Amazona farinosa</i>	2/0r, 05:32; Panama, UT

**Cuculiformes**

## Cuculidae Cuculinae

common cuckoo	<i>Cuculus canorus</i>	2/0r, 00:38; China
lesser cuckoo	<i>Cuculus poliocephalus</i>	2/0r, 00:34; China
common koel	<i>Eudynamys scolopacea</i>	4/0r, 07:37; China

## Cuculidae Coccyzinae

black-billed cuckoo	<i>Coccyzus erythrophthalmus</i>	4/1r, 02:38; ME, NJ, OH
yellow-billed cuckoo	<i>Coccyzus americanus</i>	33/0r, 27:36; AZ, FL, KY, MO, OH, SC, TX
mangrove cuckoo	<i>Coccyzus minor</i>	0/5r, 05:51; FL, Mexico

## Cuculidae Neomorphinae

lesser ground-cuckoo	<i>Morococcyx erythropygus</i>	1/0r, 00:27; Costa Rica
greater roadrunner	<i>Geococcyx californianus</i>	4/0r, 22:06; OH, TX

Cuculidae Crotophaginae		
smooth-billed ani	<i>Crotophaga ani</i>	1/1r, 00:56; Ecuador, Guyana
groove-billed ani	<i>Crotophaga sulcirostris</i>	3/0r, 01:08; Costa Rica, TX

## Strigiformes

Tytonidae		
barn owl	<i>Tyto alba</i>	5/1r, 12:03; Costa Rica, OH, Unknown, UT
Strigidae		
eastern screech-owl	<i>Megascops asio</i>	4/2r, 14:32; FL, NJ, OH, SC
flammulated owl	<i>Otus flammeolus</i>	2/0r, 14:05; UT
western screech-owl	<i>Megascops kennicottii</i>	16/0r, 1:06:08; AZ, UT
Pacific screech-owl	<i>Megascops cooperi</i>	3/0r, 11:40; Costa Rica
whiskered screech-owl	<i>Megascops trichopsis</i>	4/0r, 09:13; AZ
great horned owl	<i>Bubo virginianus</i>	13/3r, 44:18; (captive UT) AZ, ME, NJ, NY, OH, Unknown, UT
northern hawk owl	<i>Surnia ulula</i>	1/0r, 03:26; AK
northern pygmy-owl	<i>Glaucidium gnoma</i>	1/0r, 05:42; UT
Costa Rican pygmy-owl	<i>Glaucidium costaricanum</i>	3/0r, 01:10; Costa Rica
ferruginous pygmy-owl	<i>Glaucidium brasilianum</i>	3/0r, 12:48; AZ, Costa Rica
elf owl	<i>Micrathene whitneyi</i>	6/0r, 11:35; (captive AZ) AZ
burrowing owl	<i>Athene cunicularia</i>	2/3r, 25:31; (captive CA) CA, FL, UT
mottled owl	<i>Ciccaba virgata</i>	1/0r, 00:38; Costa Rica
tawny owl	<i>Strix aluco</i>	1/0r, 02:13; China
spotted owl	<i>Strix occidentalis</i>	5/0r, 29:02; AZ, Unknown, UT
barred owl	<i>Strix varia</i>	16/0r, 1:07:02; FL, MI, MO, OH
long-eared owl	<i>Asio otus</i>	1/0r, 01:17; NY
short-eared owl	<i>Asio flammeus</i>	3/0r, 05:43; Chile, UT
boreal owl	<i>Aegolius funereus</i>	3/8r, 14:23; AK
northern saw-whet owl	<i>Aegolius acadicus</i>	6/0r, 13:24; ME, UT

## Caprimulgiformes

Caprimulgidae Chordeilinae		
common nighthawk	<i>Chordeiles minor</i>	21/0r, 25:30; AZ, FL, MI, NM, OH, OR, TX
Caprimulgidae Caprimulginae		
pauraque	<i>Nyctidromus albicollis</i>	16/0r, 31:02; Costa Rica, TX
common poorwill	<i>Phalaenoptilus nuttallii</i>	5/0r, 10:53; AZ, UT
chuck-will's-widow	<i>Caprimulgus carolinensis</i>	8/0r, 22:49; FL, GA
whip-poor-will	<i>Caprimulgus vociferus</i>	24/0r, 54:08; AZ, ME, MI, MO, OH
dusky nightjar	<i>Caprimulgus saturatus</i>	2/0r, 04:07; Costa Rica

## Apodiformes

Apodidae Chaeturinae		
chimney swift	<i>Chaetura pelagica</i>	17/0r, 23:00; KY, MO, OH, VT
Vaux's swift	<i>Chaetura vauxi</i>	6/1r, 08:39; OR, WA

Apodidae Apodinae		
white-throated swift	<i>Aeronautes saxatalis</i>	10/0r, 14:08; AZ, CO, MT, UT

Trochilidae		
bronzy hermit	<i>Glaucis aeneus</i>	8/0r, 23:15; Costa Rica
band-tailed barbtthroat	<i>Threnetes ruckeri</i>	10/0r, 28:25; Costa Rica
green hermit	<i>Phaethornis guy</i>	24/0r, 54:21; Costa Rica, Trinidad
long-billed hermit	<i>Phaethornis longirostris</i>	118/0r, 3:10:32; Costa Rica
stripe-throated hermit	<i>Phaethornis striigularis</i>	47/0r, 1:32:21; Costa Rica
little hermit	<i>Phaethornis longuemareus</i>	37/0r, 3:56:49; Trinidad

tooth-billed hummingbird	<i>Androdon aequatorialis</i>	0/1r, 01:08; (captive Panama)
wedge-tailed sabrewing	<i>Campylopterus curvipennis</i>	0/7r, 20:50; Mexico
violet sabrewing	<i>Campylopterus hemileucurus</i>	3/9r, 20:41; Costa Rica, Mexico, Nicaragua
white-necked jacobin	<i>Florisuga mellivora</i>	0/1r, 00:52; Surinam
brown violet-ear	<i>Colibri delphinae</i>	0/6r, 08:51; Columbia, Venezuela
green violet-ear	<i>Colibri thalassinus</i>	171/11r, 6:00:28; Costa Rica, El Salvador, Mexico, Panama, Peru
sparkling violet-ear	<i>Colibri coruscans</i>	19/0r, 24:30; Ecuador
white-vented violet-ear	<i>Colibri serrirostris</i>	0/5r, 06:13; Brazil
fiery-throated hummingbird	<i>Panterpe insignis</i>	14/0r, 15:53; Costa Rica
blue-throated goldentail	<i>Hylocharis eliciae</i>	7/0r, 15:56; Costa Rica
white-eared hummingbird	<i>Hylocharis leucotis</i>	0/1r, 00:15; Mexico
steely-vented hummingbird	<i>Amazilia saucerrottei</i>	1/0r, 03:09; Costa Rica
rufous-tailed hummingbird	<i>Amazilia tzacatl</i>	9/0r, 10:11; Costa Rica
buff-bellied hummingbird	<i>Amazilia yucatenensis</i>	3/0r, 02:23; TX
cinnamon hummingbird	<i>Amazilia rutila</i>	2/0r, 01:15; Mexico
violet-crowned hummingbird	<i>Amazilia violiceps</i>	3/0r, 13:08; AZ
green-throated mountain-gem	<i>Lampornis viridipallens</i>	0/3r, 21:23; El Salvador
blue-throated hummingbird	<i>Lampornis clemenciae</i>	6/2r, 12:31; AZ, Mexico
white-bellied mountain-gem	<i>Lampornis hemileucus</i>	2/0r, 01:44; Costa Rica
white-throated mountain-gem	<i>Lampornis castaneiventris</i>	2/0r, 01:26; (captive Costa Rica) Costa Rica
magnificent (Rivoli's) hummingbird	<i>Eugenes fulgens</i>	13/3r, 14:39; (captive AZ) AZ, Costa Rica
bronzy Inca	<i>Coeligena coeligena</i>	0/3r, 04:54; Peru, Venezuela
green-backed firecrown	<i>Sephanoides sephaniodes</i>	2/0r, 04:00; Chile
Juan Fernandez firecrown	<i>Sephanoides fernandensis</i>	0/0r, 00:00;
black-tailed trainbearer	<i>Lesbia victoria</i>	1/0r, 00:51; Ecuador
wedge-billed hummingbird	<i>Schistes geoffroyi</i>	0/2r, 04:26; Peru
lucifer hummingbird	<i>Calothorax lucifer</i>	1/0r, 03:26; AZ
ruby-throated hummingbird	<i>Archilochus colubris</i>	1/0r, 00:51; FL
black-chinned hummingbird	<i>Archilochus alexandri</i>	10/0r, 08:51; (captive AZ) AZ, UT
Anna's hummingbird	<i>Calypte anna</i>	10/4r, 38:30; CA
Costa's hummingbird	<i>Calypte costae</i>	4/0r, 04:09; AZ, Mexico, UT
calliope hummingbird	<i>Stellula calliope</i>	1/0r, 00:05; CA
broad-tailed hummingbird	<i>Selasphorus platycercus</i>	16/0r, 44:58; AZ, CO, UT, WY
rufous hummingbird	<i>Selasphorus rufus</i>	16/0r, 1:02:22; (captive AZ) BC, OR, UT, WA
Allen's hummingbird	<i>Selasphorus sasin</i>	2/0r, 05:23; CA
volcano hummingbird	<i>Selasphorus flammula</i>	8/0r, 15:18; (captive Costa Rica) Costa Rica
scintillant hummingbird	<i>Selasphorus scintilla</i>	8/0r, 12:34; Costa Rica
hummingbird - unknown sp.	<i>Unknown hummingbird sp.</i>	6/0r, 08:45; Belize, Costa Rica

**Trogoniformes**

## Trogonidae

Cuban trogon	<i>Driotelus temnurus</i>	1/0r, 06:39; Cuba
violaceous trogon	<i>Trogon violaceus</i>	2/4r, 12:08; Costa Rica, Mexico
elegant (coppery-tailed) trogon	<i>Trogon elegans</i>	10/0r, 36:47; AZ
collared trogon	<i>Trogon collaris</i>	2/0r, 00:47; Costa Rica
orange-bellied trogon	<i>Trogon aurantiiventris</i>	3/0r, 03:41; Costa Rica, Panama
slaty-tailed trogon	<i>Trogon massena</i>	2/0r, 02:32; Costa Rica
resplendent quetzal	<i>Pharomachrus mocinno</i>	5/0r, 12:21; Costa Rica

**Coraciiformes**

## Todidae

Cuban tody	<i>Todus multicolor</i>	1/0r, 02:13; Cuba
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## Momotidae

blue-crowned motmot	<i>Momotus momota</i>	1/0r, 01:34; Costa Rica
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rufous motmot	<i>Baryphthengus martii</i>	4/0r, 04:11; Costa Rica, Panama
broad-billed motmot	<i>Electron platyrhynchum</i>	2/0r, 02:40; (captive Costa Rica) Panama
turquoise-browed motmot	<i>Eumomota superciliosa</i>	3/0r, 04:06; Costa Rica

Alcedinidae

ringed kingfisher	<i>Ceryle torquatus</i>	4/0r, 04:37; Costa Rica, TX
belted kingfisher	<i>Ceryle alcyon</i>	22/0r, 18:54; BC, FL, ME, MI, MT, NJ, NY, OH, OR, UT, WA
Amazon kingfisher	<i>Chloroceryle amazona</i>	1/0r, 00:25; Costa Rica
green kingfisher	<i>Chloroceryle americana</i>	5/0r, 14:50; AZ, Costa Rica, TX
kookaburra	<i>Dacelo novaeguineae gigas</i>	1/0r, 01:43; (captive OH)

Bucerotidae

great Indian (greater) hornbill	<i>Buceros bicornis</i>	1/0r, 01:06; (captive OH)
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**Piciformes**

Ramphastidae Semnornithinae

prong-billed barbet	<i>Semnornis frantzii</i>	1/0r, 00:49; Costa Rica
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Ramphastidae Ramphastinae

emerald toucanet	<i>Aulacorhynchus prasinus</i>	10/0r, 22:04; Costa Rica
blue-eyed aracari	<i>Pteroglossus sp.</i>	2/0r, 01:50; (captive OH)
keel-billed toucan	<i>Ramphastos sulfuratus</i>	5/0r, 08:26; Costa Rica, Panama
chestnut-mandibled toucan	<i>Ramphastos swainsonii</i>	7/0r, 05:31; Costa Rica
red-billed toucan	<i>Ramphastos tucanus</i>	0/1r, 01:50; Guyana
Cuvier's (white-fronted) toucan	<i>Ramphastos cuvieri</i>	1/0r, 00:40; (captive OH)

Picidae

Lewis' woodpecker	<i>Melanerpes lewis</i>	0/1r, 00:45; CA
red-headed woodpecker	<i>Melanerpes erythrocephalus</i>	78/0r, 1:21:36; OH, TX
acorn woodpecker	<i>Melanerpes formicivorus</i>	21/1r, 26:55; AZ, CA, Costa Rica, Unknown
black-cheeked woodpecker	<i>Melanerpes pucherani</i>	2/0r, 02:24; Costa Rica
Hoffmann's woodpecker	<i>Melanerpes hoffmannii</i>	2/0r, 00:47; Costa Rica
gila woodpecker	<i>Melanerpes uropygialis</i>	13/0r, 06:59; AZ
golden-fronted woodpecker	<i>Melanerpes aurifrons</i>	17/0r, 14:22; TX
red-bellied woodpecker	<i>Melanerpes carolinus</i>	67/0r, 1:06:35; FL, GA, MO, OH
yellow-bellied sapsucker	<i>Sphyrapicus varius</i>	14/0r, 14:29; (captive OH) FL, NY, OH
red-naped sapsucker	<i>Sphyrapicus nuchalis</i>	4/0r, 09:49; CO
red-breasted sapsucker	<i>Sphyrapicus ruber</i>	6/0r, 04:14; CA, OR
gray-capped woodpecker	<i>Picooides canicapillus</i>	1/0r, 00:02; China
ladder-backed woodpecker	<i>Picooides scalaris</i>	18/0r, 47:59; AZ, CA, TX, UT
Nuttall's woodpecker	<i>Picooides nuttallii</i>	4/0r, 04:27; CA
downy woodpecker	<i>Picooides pubescens</i>	100/0r, 1:57:51; (captive OH) FL, NY, OH, ON, UT
hairy woodpecker	<i>Picooides villosus</i>	33/0r, 50:09; CA, Costa Rica, ME, MI, OH, UT
Arizona woodpecker	<i>Picooides arizonae</i>	3/0r, 02:11; AZ
Strickland's woodpecker	<i>Picooides stricklandi</i>	3/0r, 07:20; AZ
red-cockaded woodpecker	<i>Picooides borealis</i>	6/0r, 30:31; FL, MS, NC
white-headed woodpecker	<i>Picooides albolarvatus</i>	10/0r, 20:16; CA
three-toed woodpecker	<i>Picooides tridactylus</i>	14/0r, 51:04; AK, UT, WY
black-backed woodpecker	<i>Picooides arcticus</i>	9/0r, 12:33; MI, NY, ON, VT
northern (yellow-shafted) flicker	<i>Colaptes auratus chrysocaulosus</i>	77/0r, 1:21:21; (captive OH) CA, CO, Cuba, FL, KS, ME, MI, MO, ND, OH, UT, WV
northern (red-shafted) flicker	<i>Colaptes auratus cafer</i>	35/0r, 39:43; AZ, CA, CO, ID, MT, ND, NM, OR, UT, WY
hybrid northern (red/yellow) flicker	<i>Colaptes auratus cafer x chrysocaulosus</i>	3/0r, 00:35; OK
gilded flicker	<i>Colaptes chrysoides</i>	1/0r, 00:47; AZ
lineated woodpecker	<i>Dryocopus lineatus</i>	4/3r, 03:36; Bolivia, Costa Rica, Mexico

pileated woodpecker	<i>Dryocopus pileatus</i>	35/0r, 51:35; CA, FL, IA, MI, OH, WA
great black woodpecker	<i>Dryocopus martius</i>	1/0r, 00:39; China
pale-billed woodpecker	<i>Campephilus guatemalensis</i>	1/3r, 06:50; Costa Rica, Mexico
ivory-billed woodpecker	<i>Campephilus principalis</i>	0/1r, 02:35; LA

**Passeriformes**

## Furnariidae

ruddy treerunner	<i>Margarornis rubiginosus</i>	3/0r, 02:28; Costa Rica
striped woodhaunter	<i>Hyloctistes subulatus</i>	1/0r, 02:30; Venezuela
plain xenops	<i>Xenops minutus</i>	1/0r, 01:28; Costa Rica
buff-throated woodcreeper	<i>Xiphorhynchus guttatus</i>	3/0r, 04:57; Costa Rica
spot-crowned woodcreeper	<i>Lepidocolaptes affinis</i>	2/0r, 00:44; Costa Rica

## Thamnophilidae

fasciated antshrike	<i>Cymbilaimus lineatus</i>	1/0r, 00:22; Costa Rica
great antshrike	<i>Taraba major</i>	2/0r, 03:19; Costa Rica
black-hooded antshrike	<i>Thamnophilus bridgesi</i>	2/0r, 04:24; Costa Rica
western slaty antshrike	<i>Thamnophilus atrinucha</i>	2/0r, 01:29; Costa Rica
slaty antwren	<i>Myrmotherula schisticolor</i>	2/0r, 05:00; Costa Rica
dot-winged antwren	<i>Microrhopias quixensis</i>	1/0r, 01:59; Costa Rica
chestnut-backed antbird	<i>Myrmeciza exsul</i>	7/0r, 09:07; Costa Rica
immaculate antbird	<i>Myrmeciza immaculata</i>	1/0r, 03:59; Costa Rica

## Formicariidae

black-faced antthrush	<i>Formicarius analis</i>	1/0r, 00:58; Costa Rica
thicket antpitta	<i>Hylopezus dives</i>	1/0r, 04:09; Costa Rica

## Rhinocryptidae

silvery-fronted tapaculo	<i>Scytalopus argentifrons</i>	1/0r, 00:23; Costa Rica
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## Menuridae

superb lyrebird	<i>Menura novaehollandiae</i>	0/5r, 34:11; Australia
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## Tyrannidae Elaeniinae

northern beardless-tyrannulet	<i>Camptostoma imberbe</i>	7/0r, 14:08; AZ
yellow-bellied elaenia	<i>Elaenia flavogaster</i>	5/0r, 05:03; Costa Rica
mountain elaenia	<i>Elaenia frantzii</i>	5/0r, 03:16; Costa Rica, UT
torrent tyrannulet	<i>Serpophaga cinerea</i>	2/0r, 00:37; Costa Rica

## Tyrannidae Platyrinchinae

scale-crested pygmy-tyrant	<i>Lophotriccus pileatus</i>	2/0r, 01:15; Costa Rica
common tody-flycatcher	<i>Todirostrum cinereum</i>	5/0r, 03:47; Costa Rica
yellow-olive flycatcher	<i>Tolmomyias sulphurescens</i>	1/0r, 01:52; Costa Rica

## Tyrannidae Fluvicolinae

tufted flycatcher	<i>Mitrephanes phaeocercus</i>	4/0r, 09:28; Costa Rica
olive-sided flycatcher	<i>Contopus cooperi</i>	67/0r, 2:18:10; CA, CO, ME, MI, OR, UT, VT, WY
greater pewee (Coues' flycatcher)	<i>Contopus pertinax</i>	6/0r, 18:49; AZ
western wood-pewee	<i>Contopus sordidulus</i>	51/0r, 57:59; AZ, CA, CO, MT, NV, OR, SD
eastern wood-pewee	<i>Contopus virens</i>	76/0r, 1:53:07; IA, IL, IN, KY, ME, MO, NC, OH, TX
yellow-bellied flycatcher	<i>Empidonax flaviventris</i>	5/0r, 08:28; Costa Rica, MI, OH
Acadian flycatcher	<i>Empidonax virescens</i>	95/0r, 1:46:45; (captive OH) FL, NC, OH
alder flycatcher (Traill's)	<i>Empidonax alnorum</i>	16/0r, 35:32; AK, ME, MI, ND, OH, VT
willow flycatcher	<i>Empidonax traillii</i>	81/0r, 2:10:14; MT, ND, OH, OR, UT, WA, WY
least flycatcher	<i>Empidonax minimus</i>	32/0r, 27:02; ME, MI, MN, ND, OH
Hammond's flycatcher	<i>Empidonax hammondii</i>	11/0r, 41:45; AK, CA, UT, WA
dusky flycatcher	<i>Empidonax oberholseri</i>	14/0r, 34:21; AZ, CA, ID, MT, SD, UT
gray flycatcher	<i>Empidonax wrightii</i>	7/0r, 36:10; CA, UT

Pacific-slope (western) flycatcher	<i>Empidonax difficilis</i>	20/0r, 53:42; BC, CA, OR, WA
cordilleran (western) flycatcher	<i>Empidonax occidentalis</i>	13/0r, 18:50; AZ, CO, MT, UT
buff-breasted flycatcher	<i>Empidonax fulvifrons</i>	1/1r, 07:17; AZ
black-capped flycatcher	<i>Empidonax atriceps</i>	1/0r, 00:03; Costa Rica
black phoebe	<i>Sayornis nigricans</i>	10/0r, 13:32; AZ, CA
eastern phoebe	<i>Sayornis phoebe</i>	62/0r, 1:13:39; ME, MI, NJ, OH, OK, WI
Say's phoebe	<i>Sayornis saya</i>	16/1r, 20:44; AZ, CA, UT
vermillion flycatcher	<i>Pyrocephalus rubinus</i>	9/1r, 06:01; AZ, Unknown
long-tailed tyrant	<i>Colonia colonus</i>	8/0r, 15:10; Costa Rica, Panama
<b>Tyrannidae Tyranninae</b>		
bright-rumped attila	<i>Attila spadiceus</i>	2/0r, 02:32; Belize, Costa Rica
dusky-capped (olivaceous) flycatcher	<i>Myiarchus tuberculifer</i>	5/0r, 09:54; AZ, Costa Rica
ash-throated flycatcher	<i>Myiarchus cinerascens</i>	27/1r, 41:59; AZ, NM, Unknown, UT
great crested flycatcher	<i>Myiarchus crinitus</i>	82/0r, 1:31:39; FL, GA, KY, MN, NJ, OH, TX, WV
brown-crested (Wied's) flycatcher	<i>Myiarchus tyrannulus</i>	17/0r, 44:11; AZ, Costa Rica, Mexico, TX
largebilled (Galapagos) flycatcher	<i>Myiarchus magnirostris</i>	1/0r, 01:22; Ecuador
great kiskadee	<i>Pitangus sulphuratus</i>	13/0r, 24:24; Costa Rica, TX
boat-billed flycatcher	<i>Megarynchus pitangua</i>	5/0r, 04:32; Costa Rica, Mexico
gray-capped flycatcher	<i>Myiozetetes granadensis</i>	2/0r, 06:00; Costa Rica
golden-bellied flycatcher	<i>Myiodynastes hemichrysus</i>	2/0r, 01:26; Costa Rica
sulphur-bellied flycatcher	<i>Myiodynastes luteiventris</i>	2/0r, 01:22; AZ
piratic flycatcher	<i>Legatus leucophaeus</i>	1/0r, 01:36; Costa Rica
tropical kingbird	<i>Tyrannus melancholicus</i>	16/0r, 21:48; AZ, Belize, Costa Rica, Mexico, TX
Couch's kingbird	<i>Tyrannus couchii</i>	6/0r, 10:44; TX
Cassin's kingbird	<i>Tyrannus vociferans</i>	27/0r, 40:44; AZ
thick-billed kingbird	<i>Tyrannus crassirostris</i>	9/0r, 46:30; AZ
western kingbird	<i>Tyrannus verticalis</i>	16/0r, 48:47; AZ, CA, CO, KS, ND, NE, TX, UT
eastern kingbird	<i>Tyrannus tyrannus</i>	18/0r, 28:15; FL, MA, ME, MI, MO, MT, NC, ND, OH, UT
gray kingbird	<i>Tyrannus dominicensis</i>	1/0r, 04:22; FL
scissor-tailed flycatcher	<i>Tyrannus forficatus</i>	7/0r, 20:17; TX
<b>Genera Incertae Sedis</b>		
cinnamon becard	<i>Pachyramphus cinnamomeus</i>	2/0r, 00:56; Costa Rica
rose-throated becard	<i>Pachyramphus aglaiae</i>	7/0r, 12:04; AZ
masked tityra	<i>Tityra semifasciata</i>	3/0r, 04:53; Costa Rica
<b>Cotingidae</b>		
snowy cotinga	<i>Carpodectes nitidus</i>	1/0r, 00:40; Costa Rica
purple-throated fruitcrow	<i>Querula purpurata</i>	3/0r, 09:05; Costa Rica
three-wattled bellbird	<i>Procnias tricarunculatus</i>	5/0r, 07:58; Costa Rica
<b>Pipridae</b>		
white-collared manakin	<i>Manacus candei</i>	7/0r, 22:21; Costa Rica
golden-collared manakin	<i>Manacus vitellinus</i>	1/0r, 01:54; Trinidad
long-tailed manakin	<i>Chiroxiphia linearis</i>	2/0r, 04:10; Costa Rica
<b>Melaphagidae</b>		
bell miner	<i>Manorina melanophrys</i>	2/0r, 03:46; Australia
<b>Laniidae</b>		
northern shrike	<i>Lanius excubitor</i>	0/1r, 00:14; WA
loggerhead shrike	<i>Lanius ludovicianus</i>	19/1r, 52:47; CA, FL, MT, OH, TX, Unknown, UT
gray-backed shrike	<i>Lanius tephronotus</i>	4/0r, 02:47; China

Vireonidae Vireoninae		
white-eyed vireo	<i>Vireo griseus</i>	406/147r, 28:23:45; (captive FL,OH) AL, Bahamas, Belize, Bermuda, CA, FL, IN, KY, NC, NE, OH, PA, SC, TN, TX, Unknown, VA, WV
Jamaican vireo	<i>Vireo modestus</i>	0/2r, 14:00; Jamaica
Bell's vireo	<i>Vireo bellii</i>	47/0r, 1:46:19; AZ, IN, OH, TX, UT
black-capped vireo	<i>Vireo atricapilla</i>	5/2r, 38:12; OK, TX
gray vireo	<i>Vireo vicinior</i>	9/2r, 30:02; AZ, UT
plumbeous vireo	<i>Vireo plumbeus</i>	22/0r, 50:37; AZ, MT, UT
Cassin's vireo	<i>Vireo cassinii</i>	6/0r, 13:29; CA, OR
blue-headed (solitary) vireo	<i>Vireo solitarius</i>	41/0r, 55:36; CO, FL, ME, MN, MT, NH, OH, SD
yellow-throated vireo	<i>Vireo flavifrons</i>	100/15r, 3:00:37; AL, CT, FL, KY, MN, MO, NC, NY, OH, SC, TN, TX, unknown, VA
yellow-winged vireo	<i>Vireo carmioli</i>	6/0r, 07:14; Costa Rica
Hutton's vireo	<i>Vireo huttoni</i>	10/7r, 22:16; AZ, CA, Mexico, OR, TX, WA
warbling vireo	<i>Vireo gilvus</i>	105/0r, 3:01:03; AZ, BC, CA, Costa Rica, MN, MT, ND, NE, NV, OH, OR, UT, WA
Philadelphia vireo	<i>Vireo philadelphicus</i>	12/1r, 18:13; AK, OH
red-eyed vireo	<i>Vireo olivaceus</i>	215/0r, 8:55:36; FL, IL, IN, KY, ME, MI, MN, MO, MT, NC, ND, NH, NY, OH, OK, TN, TX, VT, WI
yellow-green vireo	<i>Vireo flavoviridis</i>	1/13r, 19:07; AZ, Costa Rica, Honduras, Mexico, Panama, Unknown
black-whiskered vireo	<i>Vireo altiloquus</i>	3/8r, 38:26; Bahamas, FL
lesser greenlet	<i>Hylophilus decuratus</i>	3/0r, 03:00; Belize, Costa Rica
Vireonidae Vireolaniinae		
rufous-browed peppershrike	<i>Cyclarhis gujanensis</i>	5/1r, 13:49; Costa Rica, Mexico
Corvidae		
Eurasian jay	<i>Garrulus glandarius</i>	1/0r, 02:45; China
gray jay	<i>Perisoreus canadensis</i>	14/2r, 28:04; AK, AZ, MB, ME, NF, PQ, UT, WA
Steller's jay	<i>Cyanocitta stelleri</i>	23/1r, 42:46; AZ, NV, OR, Unknown, UT, WA
blue jay	<i>Cyanocitta cristata</i>	113/4r, 1:51:35; (captive FL,GA) CO, FL, GA, KY, ME, MI, ND, NH, NJ, NY, OH, TX
white-throated magpie-jay	<i>Calocitta formosa</i>	5/0r, 03:13; (captive AZ,OH) Costa Rica, Mexico
green jay	<i>Cyanocorax yncas</i>	8/0r, 10:11; TX
brown jay	<i>Cyanocorax morio morio</i>	9/0r, 07:48; Belize, Costa Rica, TX
azure-hooded jay	<i>Cyanolyca cucullata</i>	2/0r, 02:39; Costa Rica
silvery-throated jay	<i>Cyanolyca argentigula</i>	3/0r, 02:14; Costa Rica
necklace jay	<i>Unknown necklace jay sp.</i>	1/0r, 00:46; (captive OH)
Florida scrub-jay	<i>Aphelocoma coerulescens</i>	6/0r, 08:19; FL
island scrub-jay	<i>Aphelocoma insularis</i>	12/0r, 11:08; CA
western scrub-jay	<i>Aphelocoma californica</i>	11/0r, 14:57; CA, OR, UT
Mexican (gray-breasted) jay	<i>Aphelocoma ultramarina</i>	17/0r, 23:42; AZ
pinyon jay	<i>Gymnorhinus cyanocephalus</i>	4/0r, 09:59; NM, UT
Eurasian nutcracker	<i>Nucifraga caryocatactes</i>	2/0r, 02:32; China
Clark's nutcracker	<i>Nucifraga columbiana</i>	2/0r, 05:35; MT, OR
black-billed magpie	<i>Pica hudsonia</i>	15/0r, 25:43; AK, CO, MT, ND, UT
Eurasian magpie	<i>Pica pica</i>	2/0r, 01:56; China
yellow-billed magpie	<i>Pica nuttalli</i>	5/0r, 06:53; CA
American crow	<i>Corvus brachyrhynchos</i>	62/2r, 58:10; (captive OH) CA, FL, IL, MA, ME, MI, NY, OH, OR
northwestern crow	<i>Corvus caurinus</i>	24/0r, 48:11; AK, BC, WA
Cuban crow	<i>Corvus nasicus</i>	3/0r, 27:07; Cuba
fish crow	<i>Corvus ossifragus</i>	15/0r, 18:53; FL, SC
large-billed crow	<i>Corvus macrorhynchos</i>	2/0r, 01:11; China, WY
Chihuahuan raven	<i>Corvus cryptoleucus</i>	9/1r, 10:43; AZ, TX
common raven	<i>Corvus corax</i>	33/0r, 38:37; (captive AZ) AK, AZ, BC, CA, China, MB, ME, MI, MT, OR, PQ, UT, WY



Mauritius cuckoo-shrike	<i>Coracina typica</i>	4/0r, 06:18; Mauritius
Mascarene paradise-flycatcher	<i>Terpsiphone paradisi bourbonnensis</i>	3/0r, 00:36; Mauritius
Alaudidae		
horned lark	<i>Eremophila alpestris</i>	19/0r, 23:14; CO, ID, ND, OH, TX, UT, WY
lark species	<i>Unknown lark sp.</i>	7/0r, 05:42; China
Hirundinidae		
purple martin	<i>Progne subis</i>	35/0r, 41:59; (captive OH) AZ, CA, MA, ND, OH, VA
gray-breasted martin	<i>Progne chalybea</i>	1/0r, 00:20; Panama
tree swallow	<i>Tachycineta bicolor</i>	38/0r, 55:29; AK, FL, ME, MI, OH, UT, VA
violet-green swallow	<i>Tachycineta thalassina</i>	4/0r, 13:11; AZ, CO, UT
blue-and-white swallow	<i>Pygochelidon cyanoleuca</i>	1/0r, 01:08; Costa Rica
northern rough-winged swallow	<i>Stelgidopteryx serripennis</i>	11/0r, 17:08; OH, UT
bank swallow	<i>Riparia riparia</i>	10/0r, 30:06; AK, ME, OH, UT
Mascarene martin	<i>Phedina borbonica</i>	1/0r, 01:10; Mauritius
barn swallow	<i>Hirundo rustica</i>	27/0r, 1:16:08; KY, ME, NH, OH, OR, UT
cliff swallow	<i>Petrochelidon pyrrhonota</i>	24/0r, 36:59; AK, CA, ME, MT, ND, UT
cave swallow	<i>Petrochelidon fulva</i>	0/3r, 07:42; TX
Asian house-martin	<i>Delichon dasypus</i>	1/0r, 00:16; China
Oriolidae		
black-naped oriole	<i>Oriolus chinensis</i>	1/0r, 00:54; China
Paridae		
great tit	<i>Parus major</i>	26/11r, 1:24:54; China, England, India, Japan, Nepal, Pakistan
black-lored tit	<i>Parus xanthogenys</i>	0/2r, 03:41; Nepal
green-backed tit	<i>Parus monticolus</i>	52/0r, 1:31:11; China
yellow-cheeked tit	<i>Parus spilonotus</i>	4/0r, 09:24; (captive China) China
blue tit	<i>Cyanistes caeruleus</i>	1/0r, 03:18; The Netherlands
white-browed tit	<i>Poecile superciliosa</i>	25/8r, 2:43:13; China
rusty breasted (Pere David's) tit	<i>Poecile davidi</i>	31/0r, 3:03:27; China
black-capped chickadee	<i>Poecile atricapillus</i>	70/0r, 2:13:06; (captive MI) AK, CO, ME, MI, MT, ND, NH, NY, OH, OR, PA, RI
Carolina chickadee	<i>Poecile carolinensis</i>	214/0r, 7:11:34; (captive OH) FL, GA, NC, OH, OK, TN, WV
hybrid zone (Carolina x black-capped) chickadee	<i>Poecile carolinensis x atricapillus</i>	97/0r, 2:42:39; OH
willow tit	<i>Poecile montana</i>	43/5r, 2:33:05; China, England, Japan, The Netherlands
mountain chickadee	<i>Poecile gambeli</i>	43/0r, 1:14:14; AZ, CA, CO, MT, UT
marsh tit	<i>Poecile palustris</i>	0/1r, 03:36; The Netherlands
somber tit	<i>Poecile lagubra</i>	8/2r, 10:41; Greece
Mexican chickadee	<i>Poecile sclateri</i>	6/0r, 10:34; AZ
gray-headed chickadee	<i>Poecile cincta</i>	0/1r, 09:24; Norway
boreal chickadee	<i>Poecile hudsonica</i>	10/0r, 16:34; AK, MB, NB, NY
chestnut-backed chickadee	<i>Poecile rufescens</i>	34/9r, 1:56:32; BC, CA, ID, OR, WA
crested tit	<i>Lophophanes cristatus</i>	0/1r, 00:35; Britain
gray-crested tit	<i>Lophophanes dichrous</i>	37/1r, 1:49:04; (captive China) China, Unknown
bridled titmouse	<i>Baeolophus wollweberi</i>	4/20r, 42:44; AZ
oak titmouse	<i>Baeolophus inornatus</i>	6/0r, 10:16; CA, ID
juniper titmouse	<i>Baeolophus ridgwayi</i>	7/0r, 15:46; CA, UT
tufted titmouse	<i>Baeolophus bicolor</i>	443/0r, 6:30:17; (captive OH) AR, FL, GA, IA, IN, KY, LA, MD, NC, NY, OH, OK, PA, RI, SC, TX, WV
black-crested titmouse	<i>Baeolophus atricristatus</i>	18/0r, 18:32; TX
coal tit	<i>Periparus ater aemodius</i>	35/1r, 59:11; China, Unknown
periparus (coal type)	<i>Periparus ?ater</i>	24/0r, 28:38; China
rufous-vented tit	<i>Periparus rubidiventris</i>	13/2r, 42:51; China, Nepal

periparus (rufous-vented type)	<i>Periparus ?rubidiventris</i>	7/0r, 11:43; China
yellow-browed tit	<i>Sylviparus modestus</i>	0/2r, 04:25; China
paridae flock	<i>Mixed paridae</i>	6/0r, 18:22; China
Remizidae		
verdin	<i>Auriparus flaviceps</i>	18/1r, 26:16; AZ, TX, Unknown, UT
Aegithalidae		
long-tailed tit	<i>Aegithalos caudatus</i>	1/0r, 01:30; China
black-throated tit	<i>Aegithalos concinnus</i>	1/0r, 00:10; China
sooty tit	<i>Aegithalos fuliginosus</i>	9/0r, 06:36; (captive China) China
bushtit	<i>Psaltriparus minimus</i>	7/0r, 05:26; AZ, CA, UT
Sittidae		
Eurasian nuthatch	<i>Sitta europaea</i>	8/0r, 09:48; China
pygmy nuthatch	<i>Sitta pygmaea</i>	19/0r, 17:43; AZ, CA, UT
brown-headed nuthatch	<i>Sitta pusilla</i>	8/0r, 13:13; FL, NC
Corsican nuthatch	<i>Sitta whiteheadi</i>	0/1r, 02:11; France
red-breasted nuthatch	<i>Sitta canadensis</i>	32/0r, 37:26; CA, ME, MT, OH, OR, UT, WA
Chinese nuthatch	<i>Sitta villosa</i>	16/0r, 28:10; China
white-breasted nuthatch	<i>Sitta carolinensis</i>	130/0r, 1:49:27; AZ, CA, MD, OH, OR, RI, UT
Certhiidae		
Eurasian (common) tree-creeper	<i>Certhia familiaris</i>	4/0r, 03:30; China
brown creeper	<i>Certhia americana</i>	24/5r, 43:56; AZ, CA, NH, NY, OH, OR, UT, WA
bar-tailed tree-creeper	<i>Certhia himalayana</i>	2/0r, 02:17; China
Campephagidae		
long-tailed minivet	<i>Pericrocotus ethologus</i>	3/0r, 03:55; China
Troglodytidae		
rufous-naped wren	<i>Campylorhynchus rufinucha</i>	4/0r, 03:01; Costa Rica, Mexico
cactus wren	<i>Campylorhynchus brunneicapillus</i>	22/0r, 35:03; AZ, TX, UT
rock wren	<i>Salpinctes obsoletus</i>	5/1r, 15:09; AZ, OR, UT
canyon wren	<i>Catherpes mexicanus</i>	13/2r, 24:52; AZ, OR, TX, UT
black-throated wren	<i>Thryothorus atrogularis</i>	2/0r, 06:18; Costa Rica
bay wren	<i>Thryothorus nigricapillus</i>	6/0r, 13:48; Costa Rica
stripe-breasted wren	<i>Thryothorus thoracicus</i>	9/0r, 25:44; Costa Rica
rufous-and-white wren	<i>Thryothorus rufalbus</i>	1/0r, 03:13; Costa Rica
Carolina wren	<i>Thryothorus ludovicianus</i>	645/0r, 12:04:44; AL, AR, DE, FL, GA, IN, KY, ME, NC, OH, OK, SC, TN, TX, VA, WV
canebreak wren	<i>Thryothorus modestus zeledoni</i>	10/0r, 14:00; Costa Rica
Bewick's wren	<i>Thryomanes bewickii</i>	100/1r, 2:41:25; AZ, CA, KY, NM, OH, OK, OR, TX, UT
Socorro wren	<i>Thryomanes sissonii</i>	12/0r, 46:28; Mexico
house wren	<i>Troglodytes aedon</i>	194/0r, 4:48:21; AZ, CA, CO, FL, IA, MT, NC, ND, NH, OH, OR, UT, VA, WV, WY
southern house-wren	<i>Troglodytes aedon [musculus]</i>	15/0r, 18:38; Costa Rica
ochraceous wren	<i>Troglodytes ochraceus</i>	3/0r, 03:20; Costa Rica
winter (northern) wren	<i>Troglodytes troglodytes</i>	65/0r, 3:04:24; AK, CA, China, ME, MI, MN, OH, OR, WA
sedge (short-billed marsh-) wren	<i>Cistothorus platensis</i>	11/0r, 36:22; FL, MI, NE, OH
marsh (long-billed) wren	<i>Cistothorus palustris</i>	50/0r, 1:40:51; CA, DE, FL, MA, ME, MI, ND, NJ, OH, OR, TX, UT, WY
timberline wren	<i>Thryorchilus browni</i>	10/0r, 33:20; Costa Rica
white-breasted wood-wren	<i>Henicorhina leucosticta</i>	1/0r, 00:37; Costa Rica
gray-breasted wood-wren	<i>Henicorhina leucophrys</i>	18/0r, 16:43; Costa Rica
nightingale wren	<i>Microcerculus philomela</i>	2/0r, 23:05; Costa Rica
whistling wren	<i>Microcerculus maginatus luscina</i>	1/0r, 02:54; Costa Rica

song wren	<i>Cyphorhinus phaeocephalus</i>	1/0r, 00:39; Costa Rica
Cinclidae		
American dipper	<i>Cinclus mexicanus</i>	7/2r, 09:35; CO, UT, WY
Pycnonotidae		
collared finch-billed bulbul	<i>Spizixos semitorques</i>	1/0r, 00:30; China
red-whiskered bulbul	<i>Pycnonotus jocosus</i>	3/0r, 01:56; China, Mauritius
light-vented bulbul	<i>Pycnonotus sinensis</i>	1/0r, 00:46; China
black bulbul	<i>Hypsipetes madagascariensis</i>	4/0r, 04:40; China, Mauritius
Regulidae		
golden-crowned kinglet	<i>Regulus satrapa</i>	18/0r, 16:01; CA, ME, NB, NY, OH, WA
ruby-crowned kinglet	<i>Regulus calendula</i>	81/0r, 2:44:42; AK, CA, ME, MT, NJ, OH, PA, PQ, UT, WV, WY
goldcrest	<i>Regulus regulus</i>	9/1r, 12:31; Britain, China
Sylviidae Sylviinae		
brownish-flanked bush-warbler	<i>Cettia fortipes</i>	1/0r, 05:34; China
yellowish-bellied bush-warbler	<i>Cettia acanthizoides</i>	3/0r, 17:52; China
willow warbler	<i>Phylloscopus trochilus</i>	20/0r, 45:59; The Netherlands
common chiffchaff	<i>Phylloscopus collybita</i>	39/0r, 1:19:33; The Netherlands
phylloscopus (dusky type)	<i>Phylloscopus ?fuscatus</i>	2/0r, 00:34; China
phylloscopus (inornate type)	<i>Phylloscopus ?inornatus</i>	3/0r, 04:45; China
arctic warbler	<i>Phylloscopus borealis</i>	2/0r, 07:22; AK
large-billed leaf-warbler	<i>Phylloscopus magnirostris</i>	4/0r, 04:54; China
phylloscopus (Blyth's Leaf type)	<i>Phylloscopus ?reguloides</i>	8/0r, 12:20; China
rufous-faced (flycatcher) warbler	<i>Abroscopus albogularis</i>	4/0r, 07:20; AK, China, CO
Sylviidae Polioptilinae		
long-billed gnatwren	<i>Ramphocaenus melanurus</i>	6/0r, 07:18; Costa Rica, Panama
blue-gray gnatcatcher	<i>Polioptila caerulea</i>	52/0r, 57:56; AZ, CA, FL, ID, MO, OH, UT, WV
black-tailed gnatcatcher	<i>Polioptila melanura</i>	4/0r, 06:33; AZ
tropical gnatcatcher	<i>Polioptila plumbea</i>	4/0r, 04:01; Costa Rica
Severtzov's (white-browed) tit warbler	<i>Leptopoecile sophiae</i>	10/0r, 06:50; China
Muscicapidae		
gray-headed flycatcher	<i>Culicicapa ceylonensis</i>	1/0r, 02:24; China
Turdidae		
European robin	<i>Erithacus rubecula</i>	1/0r, 00:36; The Netherlands
Siberian rubythroat	<i>Luscinia calliope</i>	9/0r, 12:13; China
bluethroat	<i>Luscinia svecica</i>	8/0r, 23:10; AK
Indian blue robin	<i>Luscinia brunnea</i>	3/0r, 10:03; China
chorister robin-chat	<i>Cossypha dichroa</i>	0/2r, 33:08; South Africa
magpie robin	<i>Copsychus saularis</i>	1/0r, 00:25; China
blue-fronted redstart	<i>Phoenicurus frontalis</i>	12/0r, 12:14; China
white-throated redstart	<i>Phoenicurus shisticeps</i>	2/0r, 01:27; China
northern wheatear	<i>Oenanthe oenanthe</i>	5/0r, 06:22; AK
Hodgson's stonechat	<i>Saxicola insignis</i>	1/0r, 00:29; China
common stonechat	<i>Saxicola torquatus</i>	2/0r, 02:13; Mauritius
eastern bluebird	<i>Sialia sialis</i>	38/0r, 1:01:19; AZ, KY, MO, NC, NY, OH
western bluebird	<i>Sialia mexicana</i>	6/0r, 15:09; AZ, CA, ID, UT
mountain bluebird	<i>Sialia currucoides</i>	17/1r, 32:03; CO, MT, OR, UT, WY
Townsend's solitaire	<i>Myadestes townsendi</i>	14/1r, 51:55; AZ, OR, UT
Cuban solitaire	<i>Myadestes elisabeth</i>	1/0r, 00:30; Cuba
black-faced solitaire	<i>Myadestes melanops</i>	28/0r, 1:14:38; Costa Rica
river chat (white-capped redstart)	<i>Chaimarrornis leucocephalus</i>	3/0r, 03:14; China

black-billed nightingale-thrush	<i>Catharus gracilirostris</i>	9/0r, 08:18; (captive Costa Rica) Costa Rica
orange-billed nightingale-thrush	<i>Catharus aurantiirostris</i>	1/0r, 01:34; Costa Rica
slaty-backed nightingale-thrush	<i>Catharus fuscater</i>	3/0r, 05:48; Costa Rica
veery	<i>Catharus fuscescens</i>	47/0r, 1:13:49; BC, IL, MA, ME, MN, MT, ND, NH, OH, RI, VT
gray-cheeked thrush	<i>Catharus minimus</i>	19/0r, 43:08; AK, MB, OH
Bicknell's thrush	<i>Catharus bicknelli</i>	4/0r, 07:48; NY, PQ, VT
Swainson's thrush	<i>Catharus ustulatus</i>	76/0r, 2:09:06; AK, CA, ID, ME, MT, OH, OR, UT, WA
hermit thrush	<i>Catharus guttatus</i>	35/0r, 1:33:25; AK, AZ, CA, ME, MI, MT, OR, UT
wood thrush	<i>Hylocichla mustelina</i>	198/0r, 7:35:05; (captive OH) IA, KY, ME, MO, NC, NH, NJ, OH, PA, WI, WV
chestnut thrush	<i>Turdus rubrocanus</i>	8/0r, 16:43; China, WY
Kessler's thrush	<i>Turdus kessleri</i>	1/0r, 00:11; China
sooty robin	<i>Turdus nigrescens</i>	3/0r, 03:02; Costa Rica
clay-colored robin	<i>Turdus grayi</i>	4/0r, 08:17; Costa Rica
American robin	<i>Turdus migratorius</i>	419/57r, 17:19:00; AB, AK, AZ, BC, CA, FL, IN, MB, ME, MI, MN, MO, MT, NC, ND, NH, NT, NY, OH, ON, OR, PA, PQ, TN, UT,
red-legged thrush	<i>Turdus plumbeous</i>	1/0r, 01:39; Cuba
varied thrush	<i>Ixoreus naevius</i>	10/0r, 37:16; AK, WA
Timaliidae		
streak-breasted scimitar babbler	<i>Pomatorhinus ruficollis</i>	1/0r, 00:48; China
wrentit	<i>Chamaea fasciata</i>	8/1r, 13:41; CA, OR
Pere David's laughingthrush	<i>Garrulax davidi</i>	2/0r, 01:40; China
moustached laughingthrush	<i>Garrulax cineraceus</i>	1/0r, 00:35; China
hwamei	<i>Garrulax canorus</i>	1/0r, 00:22; China
Elliot's laughingthrush	<i>Garrulax elliotii</i>	13/0r, 14:25; China
Chinese fulvetta	<i>Alcippe striaticollis</i>	2/0r, 01:37; China
streak-throated fulvetta	<i>Alcippe cinereiceps</i>	6/0r, 05:52; (captive China) China
striated thornbill	<i>Acanthiza lineata</i>	1/0r, 01:06; Australia
Zosteropidae		
Mascarene grey white-eye	<i>Zosterops barbonicus</i>	12/0r, 16:55; Mauritius
olive white-eye	<i>Zosterops olivaceus</i>	10/0r, 09:24; Mauritius
Japanese white-eye	<i>Zosterops japonicus</i>	1/0r, 01:26; HI
Mimidae		
gray catbird	<i>Dumetella carolinensis</i>	150/0r, 4:07:05; FL, ME, MI, MT, ND, NH, NY, OH, UT
northern mockingbird	<i>Mimus polyglottos</i>	115/1r, 5:40:47; AL, AZ, CA, FL, GA, KY, Mexico, NC, NM, OH, SC, TX, UT, VA
Galapagos mockingbird	<i>Nesomimus parvulus</i>	3/0r, 03:22; Ecuador
Socorro mockingbird	<i>Mimodes graysoni</i>	10/0r, 41:34; Mexico
sage thrasher	<i>Oreoscoptes montanus</i>	2/1r, 14:17; ID, OR, WY
brown thrasher	<i>Toxostoma rufum</i>	133/1r, 4:18:29; (captive FL,OH) CO, FL, IA, MB, MO, NC, OH, PA, VA, WV
long-billed thrasher	<i>Toxostoma longirostre</i>	12/0r, 39:33; TX
Bendire's thrasher	<i>Toxostoma bendirei</i>	3/1r, 07:56; AZ, NM, Unknown
curve-billed thrasher	<i>Toxostoma curvirostre</i>	28/0r, 39:09; AZ, TX
California thrasher	<i>Toxostoma redivivum</i>	9/1r, 50:12; CA
crissal thrasher	<i>Toxostoma crissale</i>	1/0r, 02:11; UT
Le Conte's thrasher	<i>Toxostoma lecontei</i>	12/0r, 26:26; AZ
Sturnidae		
European starling	<i>Sturnus vulgaris</i>	59/1r, 1:26:36; (captive OH) CA, MT, NH, OH, The Netherlands, UT
common myna	<i>Acridotheres tristis</i>	10/11r, 39:11; Australia, French Polynesia, HI, India, Mauritius, Sri Lanka
hill myna	<i>Gracula religiosa</i>	3/0r, 05:17; (captive OH)

Prunellidae		
robin accentor	<i>Prunella rubeculoides</i>	5/0r, 03:18; China
rufous-breasted accentor	<i>Prunella strophia</i>	2/0r, 00:55; China
Motacillidae		
yellow wagtail	<i>Motacilla flava</i>	5/0r, 09:37; AK
white wagtail	<i>Motacilla alba</i>	3/0r, 03:11; AK, China
Richard's pipit	<i>Anthus novaeseelandiae</i>	1/0r, 00:54; China
olive-backed pipit	<i>Anthus hodgsoni</i>	1/0r, 00:57; China
American pipit	<i>Anthus rubescens</i>	4/0r, 10:09; AK, CA, OH
Sprague's pipit	<i>Anthus spragueii</i>	0/1r, 00:52; MT
Bombycillidae		
Bohemian waxwing	<i>Bombycilla garrulus</i>	2/0r, 05:29; UT
cedar waxwing	<i>Bombycilla cedrorum</i>	32/1r, 47:22; ME, OH, unknown, UT, WA
Ptilonotidae		
black-and-yellow silky-flycatcher	<i>Phainoptila melanoxantha</i>	1/0r, 00:47; (captive Costa Rica)
long-tailed silky-flycatcher	<i>Ptilonotus caudatus</i>	6/0r, 04:50; Costa Rica
phainopepla	<i>Phainopepla nitens</i>	6/0r, 10:49; AZ, UT
Peucedramidae		
olive warbler	<i>Peucedramus taeniatus</i>	13/5r, 24:59; AZ
Parulidae		
Bachman's warbler	<i>Vermivora bachmanii</i>	0/2r, 07:06; SC, VA
blue-winged warbler	<i>Vermivora pinus</i>	38/1r, 52:32; MA, NY, OH, ON
golden-winged warbler	<i>Vermivora chrysoptera</i>	6/3r, 10:40; OH, ON, TN, WV
Brewster's warbler (hybrid)	<i>Vermivora pinus x chrysoptera</i>	1/1r, 03:06; ON, PA
Tennessee warbler	<i>Vermivora peregrina</i>	73/0r, 1:14:16; IN, OH, ON, WV
orange-crowned warbler	<i>Vermivora celata</i>	43/3r, 1:54:40; AK, BC, CA, FL, MB, OH, OR, UT, WA
Nashville warbler	<i>Vermivora ruficapilla</i>	74/0r, 1:51:14; CA, ME, MI, MN, OH, TX, WI
Virginia's warbler	<i>Vermivora virginiae</i>	2/0r, 02:33; CO
Lucy's warbler	<i>Vermivora luciae</i>	17/1r, 23:54; AZ, UT
northern parula	<i>Parula americana</i>	117/0r, 2:06:10; FL, ME, MN, MO, OH, SC, TX
tropical parula	<i>Parula pitiayumi</i>	12/0r, 18:06; Costa Rica, Mexico
flame-throated warbler	<i>Parula gutturalis</i>	1/0r, 00:41; Costa Rica
Sutton's warbler (hybrid)	<i>Dendroica x Parula sp.</i>	1/0r, 03:18; WV
yellow warbler	<i>Dendroica petechia</i>	187/0r, 4:53:15; AK, AZ, CA, Ecuador, MA, MB, ME, MN, NC, ND, NH, OH, OR, PA, UT, WA, WV, WY
yellow (mangrove) warbler	<i>Dendroica petechia erithachorides</i>	16/3r, 57:53; CA, Costa Rica, Mexico, TX, UT
chestnut-sided warbler	<i>Dendroica pensylvanica</i>	114/0r, 2:07:39; Costa Rica, ME, MI, NH, OH
magnolia warbler	<i>Dendroica magnolia</i>	94/0r, 1:51:27; ME, OH
Cape May Warbler	<i>Dendroica tigrina</i>	13/0r, 23:51; NY, OH
black-throated blue warbler	<i>Dendroica caerulescens</i>	32/0r, 40:21; ME, OH
yellow-rumped (Myrtle) warbler	<i>Dendroica coronata coronata</i>	78/0r, 1:32:23; AK, FL, MB, ME, MI, OH, VA, WV
yellow-rumped (Audubon) warbler	<i>Dendroica coronata auduboni</i>	32/1r, 1:12:33; AK, CA, MT, OR, SD, Unknown, UT, WY
black-throated gray warbler	<i>Dendroica nigrescens</i>	13/0r, 30:03; AZ, CA, OR, UT
Townsend's warbler	<i>Dendroica townsendi</i>	17/0r, 45:00; AK, BC, CA, ID, MT, WA
hermit warbler	<i>Dendroica occidentalis</i>	10/4r, 23:33; CA, Unknown, WA
black-throated green warbler	<i>Dendroica virens</i>	57/0r, 1:11:31; MA, ME, OH
golden-cheeked warbler	<i>Dendroica chrysoparia</i>	1/3r, 08:50; TX, Unknown
blackburnian warbler	<i>Dendroica fusca</i>	27/2r, 43:37; ME, NY, OH, ON, VT
yellow-throated warbler	<i>Dendroica dominica</i>	51/0r, 1:14:57; FL, KY, NC, OH, SC
Grace's warbler	<i>Dendroica graciae</i>	14/0r, 29:51; AZ, UT
pine warbler	<i>Dendroica pinus</i>	68/0r, 1:39:26; FL, KY, MD, ME, MI, NC, NH, NY, OH, SC, VA, WV

Kirtland's warbler	<i>Dendroica kirtlandii</i>	33/1r, 1:11:10; MI
prairie warbler	<i>Dendroica discolor</i>	36/0r, 1:17:31; FL, IL, KY, NC, NH, NY, OH
palm warbler	<i>Dendroica palmarum</i>	9/1r, 18:49; (captive ME) ME, OH, ON
bay-breasted warbler	<i>Dendroica castanea</i>	15/0r, 20:45; NY, OH
blackpoll warbler	<i>Dendroica striata</i>	20/1r, 37:11; AK, MB, NC, OH, PQ, VT
cerulean warbler	<i>Dendroica cerulea</i>	158/0r, 2:49:10; KY, OH, VA, WV
black-and-white warbler	<i>Mniotilta varia</i>	16/0r, 19:20; ME, MI, OH
American redstart	<i>Setophaga ruticilla</i>	142/1r, 2:44:40; ME, MI, MN, MT, NB, ND, NH, NY, OH, SD, WV
prothonotary warbler	<i>Protonotaria citrea</i>	35/22r, 2:10:47; FL, OH, TX
worm-eating warbler	<i>Helmitheros vermivorum</i>	16/0r, 42:32; OH, WV
Swainson's warbler	<i>Limnithlypis swainsonii</i>	15/1r, 44:50; KY, TX, WV
ovenbird	<i>Seiurus aurocapilla</i>	172/49r, 6:40:51; AB, AZ, Bahamas, FL, IA, KY, MA, MB, MD, ME, MI, MN, MO, NC, ND, NE, NH, NJ, NY, OH, ON, PQ, SD, TN, 120/39r, 4:40:55; AB, AK, BC, FL, MB, ME, MN, NJ, NT, NY, OH, ON, PQ, Unknown, YT
northern waterthrush	<i>Seiurus novaboracensis</i>	107/10r, 4:29:43; MD, MO, NJ, NY, OH, TN, Unknown, WV
Louisiana waterthrush	<i>Seiurus motacilla</i>	178/0r, 3:53:51; KY, NC, OH, TN, VA, WV
Kentucky warbler	<i>Oporornis formosus</i>	27/3r, 43:57; MB, MI, OH, ON
Connecticut warbler	<i>Oporornis agilis</i>	29/5r, 44:18; MN, NY, OH, ON, VA, VT
mourning warbler	<i>Oporornis philadelphia</i>	46/0r, 1:05:31; CA, ID, MT, OR, SD, UT, WA
MacGillivray's warbler	<i>Oporornis tolmiei</i>	1012/86r, 19:03:54; AL, AR, AZ, BC, CA, CO, DE, FL, GA, IA, KS, KY, MA, MB, MD, ME, MI, MN, MT, NB, NC, ND, NH, NJ, NM, 4/12r, 1:05:25; Costa Rica, El Salvador, Mexico, TX, Unknown
common yellowthroat	<i>Geothlypis trichas</i>	153/1r, 9:51:52; AL, FL, NC, OH, ON, SC, WV
gray-crowned yellowthroat	<i>Geothlypis poliocephala</i>	42/4r, 1:15:04; AK, BC, CA, CO, Costa Rica, ME, OH, ON, OR, PQ, WA
hooded warbler	<i>Wilsonia citrina</i>	53/2r, 1:12:56; ME, OH, ON, VA
Wilson's warbler	<i>Wilsonia pusilla</i>	3/0r, 05:47; AZ
Canada warbler	<i>Wilsonia canadensis</i>	5/2r, 16:47; AZ, Unknown
red-faced warbler	<i>Cardellina rubrifrons</i>	4/19r, 47:07; Costa Rica, El Salvador, Mexico, Peru, Unknown
painted redstart	<i>Myioborus pictus</i>	4/0r, 02:57; Costa Rica
slate-throated redstart	<i>Myioborus miniatus</i>	0/2r, 10:04; Mexico
collared redstart	<i>Myioborus torquatus</i>	0/12r, 29:27; El Salvador, Mexico, Unknown
fan-tailed warbler	<i>Eurthlypis lachrymosa</i>	0/14r, 49:55; Guatemala, Mexico, Unknown
golden-crowned warbler	<i>Basileuterus culicivorus</i>	1/0r, 01:20; Costa Rica
rufous-capped warbler	<i>Basileuterus rufifrons</i>	2/0r, 00:40; Costa Rica
black-cheeked warbler	<i>Basileuterus melanogenys</i>	5/0r, 07:50; Costa Rica
three-striped warbler	<i>Basileuterus tristriatus</i>	106/2r, 3:31:17; AL, AZ, CO, IN, MT, NC, ND, OH, SC, TX, UT, VA, WV
buff-rumped (river) warbler	<i>Phaeothlypis fulvicauda</i>	
yellow-breasted chat	<i>Icteria virens</i>	
<b>Coerebidae</b>		
bananaquit	<i>Coereba flaveola</i>	1/0r, 03:23; Costa Rica
<b>Thraupidae</b>		
common bush-tanager	<i>Chlorospingus ophthalmicus</i>	4/0r, 03:45; Costa Rica
sooty-capped bush-tanager	<i>Chlorospingus pileatus</i>	7/0r, 17:12; Costa Rica
crimson-collared tanager	<i>Ramphocelus sanguinolentus</i>	3/0r, 02:18; Belize, Costa Rica
scarlet-rumped tanager	<i>Ramphocelus costaricensis</i>	6/0r, 11:29; Costa Rica
hepatic tanager	<i>Piranga flava</i>	5/0r, 10:31; AZ
summer tanager	<i>Piranga rubra</i>	91/1r, 2:16:55; AZ, FL, KY, NC, OH, OK, TX, UT, WV
scarlet tanager	<i>Piranga olivacea</i>	121/0r, 2:44:03; ME, OH, TN, WV
western tanager	<i>Piranga ludoviciana</i>	29/1r, 1:09:44; AZ, CA, MT, NV, OR, SD, Unknown, UT, WA, WY
flame-colored tanager	<i>Piranga bidentata</i>	4/0r, 04:01; Costa Rica
blue-gray tanager	<i>Thraupis episcopus</i>	1/0r, 01:14; Costa Rica
gray-headed tanager	<i>Eucometis penicillata</i>	1/0r, 00:32; Costa Rica
red-throated ant-tanager	<i>Habia fuscicauda</i>	6/0r, 12:36; Belize, Costa Rica
spangle-cheeked tanager	<i>Tangara dowii</i>	2/0r, 00:25; Costa Rica

Emberizidae

blue-black grassquit	<i>Volatinia jacarina</i>	2/0r, 06:08; Costa Rica
variable seedeater	<i>Sporophila americana</i>	8/0r, 12:22; Costa Rica, Panama
white-collared seedeater	<i>Sporophila torqueola</i>	1/0r, 01:49; Belize
yellow-bellied seedeater	<i>Sporophila nigricollis</i>	1/0r, 01:12; Costa Rica
thick-billed seed-finch	<i>Oryzoborus funereus</i>	6/0r, 06:03; Costa Rica
yellow-faced grassquit	<i>Tiaris olivaceus</i>	4/0r, 05:05; Costa Rica
peg-billed finch	<i>Acanthidops bairdii</i>	11/0r, 29:26; Costa Rica
slaty flowerpiercer	<i>Diglossa plumbea</i>	1/0r, 00:19; Costa Rica
yellow-thighed finch	<i>Pselliophorus tibialis</i>	2/0r, 04:14; Costa Rica
large-footed finch	<i>Pezopetes capitalis</i>	7/0r, 11:57; Costa Rica
orange-billed sparrow	<i>Arremon aurantiirostris</i>	1/0r, 00:28; Costa Rica
olive sparrow	<i>Arremonops rufivirgatus</i>	19/0r, 35:16; TX
black-striped sparrow	<i>Arremonops conirostris</i>	10/0r, 27:07; Costa Rica
green-tailed towhee	<i>Pipilo chlorurus</i>	23/1r, 2:08:20; AZ, CO, NV, OR, UT
eastern (rufous-sided) towhee	<i>Pipilo erythrophthalmus</i>	968/19r, 22:10:44; (captive MI) AL, CA, FL, IA, IN, KY, MA, ME, MI, NC, NH, NJ, NY, OH, ON, PA, RI, TN, VA, WA, WV
spotted (rufous-sided) towhee	<i>Pipilo maculatus</i>	139/16r, 4:29:50; AZ, BC, CA, CO, Mexico, MT, ND, OR, UT, WA
canyon (brown) towhee	<i>Pipilo fuscus</i>	25/1r, 29:57; AZ, NM, OR
California (brown) towhee	<i>Pipilo crissalis</i>	6/0r, 14:47; CA
Abert's towhee	<i>Pipilo aberti</i>	6/1r, 14:35; AZ
Cassin's sparrow	<i>Aimophila cassinii</i>	33/0r, 1:09:59; AZ, TX
Bachman's sparrow	<i>Aimophila aestivalis</i>	23/0r, 2:39:55; FL, OH, VA
Botteri's sparrow	<i>Aimophila botterii</i>	8/4r, 35:18; AZ, Mexico, TX
rufous-winged sparrow	<i>Aimophila carpalis</i>	16/0r, 54:07; AZ
rufous-crowned sparrow	<i>Aimophila ruficeps</i>	17/0r, 28:40; AZ, CA, TX
five-striped sparrow	<i>Aimophila quinquestriata</i>	5/0r, 14:57; AZ
American tree sparrow	<i>Spizella arborea</i>	31/4r, 44:13; AK, CO, MB, NH, OH
chipping sparrow	<i>Spizella passerina</i>	400/10r, 7:44:44; AZ, BC, CA, CO, GA, IN, KY, MB, MD, ME, MI, MN, MT, NC, NH, NJ, NM, NV, NY, OH, OK, ON, OR, PA, SC, 17/5r, 38:30; MB, MI, ND, ON
clay-colored sparrow	<i>Spizella pallida</i>	20/0r, 58:46; AZ, CA, ID, NV, OR, UT
Brewer's sparrow	<i>Spizella breweri</i>	996/6r, 22:02:15; (captive OH) AL, IA, IN, KY, MI, NC, ND, NH, NY, OH, OK, ON, PA
field sparrow	<i>Spizella pusilla</i>	18/0r, 46:20; AZ, CA, NM, UT
black-chinned sparrow	<i>Spizella atrogularis</i>	66/7r, 1:37:48; CO, ID, MI, MN, MT, ND, NJ, OH, ON, OR, UT
vesper sparrow	<i>Pooecetes gramineus</i>	29/0r, 1:48:08; AZ, CO, NE, NM, OH, TX, UT
lark sparrow	<i>Chondestes grammacus</i>	13/1r, 21:20; AZ, Unknown, UT
black-throated sparrow	<i>Amphispiza bilineata</i>	1/8r, 12:30; CA, ID
sage sparrow	<i>Amphispiza belli</i>	19/3r, 57:13; AZ, MT, ND, SK, Unknown, WY
lark bunting	<i>Calamospiza melanocorys</i>	51/6r, 1:45:34; AK, CA, CO, MB, ME, MT, ND, OH, ON, OR, VT, WA, WY
Savannah sparrow	<i>Passerculus sandwichensis</i>	9/7r, 27:42; MB, MT, ND
Baird's sparrow	<i>Ammodramus bairdii</i>	113/3r, 3:25:57; AZ, CO, MB, MT, NC, ND, OH, ON
grasshopper sparrow	<i>Ammodramus savannarum</i>	195/0r, 3:43:07; IL, IN, KS, KY, MO, NC, NE, NY, OH, OK, PA, WI
Henslow's sparrow	<i>Ammodramus henslowii</i>	1/4r, 04:31; MB, MI
Le Conte's sparrow	<i>Ammodramus leconteii</i>	0/4r, 03:51; (captive NY) NY
saltmarsh sharp-tailed sparrow	<i>Ammodramus caudacutus</i>	8/7r, 19:42; MB, ME, ON
Nelson's sharp-tailed sparrow	<i>Ammodramus nelsoni</i>	31/9r, 1:11:41; (captive NY) FL, NJ, NY, TX
seaside sparrow	<i>Ammodramus maritimus</i>	109/11r, 3:08:30; AK, BC, CA, CO, ID, MB, NV, OH, ON, PQ, UT
fox sparrow	<i>Passerella iliaca</i>	1362/6r, 54:57:53; (captive OH) AZ, CA, CT, MA, ME, MI, MN, MT, NC, ND, NH, NJ, NM, OH, ON, OR, PA, SD, UT, VA, WA, WI, WV, WY
song sparrow	<i>Melospiza melodia</i>	23/11r, 1:57:52; AK, CA, MI, NY, OH, ON, UT, WY
Lincoln's sparrow	<i>Melospiza lincolnii</i>	106/4r, 1:54:57; DE, ME, MI, MN, NH, OH, ON
swamp sparrow	<i>Melospiza georgiana</i>	68/0r, 1:07:43; Costa Rica, Ecuador
rufous-collared sparrow	<i>Zonotrichia capensis</i>	

white-throated sparrow	<i>Zonotrichia albicollis</i>	219/73r, 5:14:49; (captive OH) AB, BC, CAN, MA, MB, ME, MI, MN, NB, NC, NY, OH, ON, PA, PQ, VT
Harris' sparrow	<i>Zonotrichia querula</i>	21/3r, 1:10:04; MB
white-crowned sparrow	<i>Zonotrichia leucophrys</i>	45/0r, 1:39:51; AK, CA, CO, MB, PQ, UT, WA
Gambel's white-crowned sparrow	<i>Zonotrichia leucophrys gambelii</i>	144/10r, 4:35:05; (captive CA) AK, CA, MB, ON
eastern white-crowned sparrow	<i>Zonotrichia leucophrys leucophrys</i>	95/0r, 2:29:51; (captive OH) MB, OH, PQ
Nuttall's white-crowned sparrow	<i>Zonotrichia leucophrys nuttalli</i>	216/0r, 4:11:43; CA
mountain white-crowned sparrow	<i>Zonotrichia leucophrys oriantha</i>	112/0r, 3:09:36; (captive CA) CA, NV, OR, WY
Puget Sound white-crowned sparrow	<i>Zonotrichia leucophrys pugetensis</i>	945/0r, 26:35:44; (captive OH) BC, CA, OH, OR, WA
golden-crowned sparrow	<i>Zonotrichia atricapilla</i>	15/0r, 34:45; AK, CA, WA
volcano junco	<i>Junco vulcani</i>	6/0r, 05:58; Costa Rica
gray-headed junco (dark-eyed)	<i>Junco hyemalis dorsalis</i>	2/0r, 02:52; UT
slate-colored junco (dark-eyed)	<i>Junco hyemalis hyemalis</i>	63/6r, 1:10:53; (captive OH) MB, ME, MI, OH, ON, PQ, SD, UT
Oregon junco (dark-eyed)	<i>Junco hyemalis oregonus</i>	46/0r, 1:13:40; AK, BC, CA, ID, OH, OR, UT, WA, WY
yellow-eyed junco	<i>Junco phaeonotus</i>	19/0r, 27:29; AZ
McCown's longspur	<i>Calcarius mccownii</i>	25/2r, 1:39:21; CO, SK, Unknown
Smith's longspur	<i>Calcarius pictus</i>	1/1r, 06:31; MB, OH
Lapland longspur	<i>Calcarius lapponicus</i>	10/2r, 23:24; AK, MB
chestnut-collared longspur	<i>Calcarius ornatus</i>	13/5r, 21:30; MB, MT, ND, WY
Eurasian rock bunting	<i>Emberiza cia</i>	7/0r, 05:13; China
snow bunting	<i>Plectrophenax nivalis</i>	5/2r, 20:23; AK, MB
<b>Cardinalidae</b>		
grayish saltator	<i>Saltator coerulescens</i>	5/0r, 04:46; Costa Rica
buff-throated saltator	<i>Saltator maximus</i>	2/0r, 03:02; Costa Rica
black-headed saltator	<i>Saltator atriceps</i>	4/0r, 05:20; Costa Rica
slate-colored grosbeak	<i>Saltator grossus</i>	1/0r, 13:24; Costa Rica
black-faced grosbeak	<i>Caryothraustes poliogaster</i>	3/0r, 07:19; Costa Rica
northern cardinal	<i>Cardinalis cardinalis</i>	626/7r, 16:26:31; (captive OH) AL, AZ, FL, GA, KY, MO, NC, NH, NJ, NY, OH, OK, ON, PA, TX, VA, WV
pyrrhuloxia	<i>Cardinalis sinuatus</i>	8/0r, 12:22; AZ, TX
black-thighed grosbeak	<i>Pheucticus tibialis</i>	4/0r, 05:39; (captive Costa Rica) Costa Rica
rose-breasted grosbeak	<i>Pheucticus ludovicianus</i>	86/4r, 2:03:12; ME, MI, MN, NH, OH, ON, VA
black-headed grosbeak	<i>Pheucticus melanocephalus</i>	30/0r, 53:10; AZ, CA, CO, MT, NV, OR, SD, UT, WA
blue-black grosbeak	<i>Cyanocompsa cyanooides</i>	3/0r, 05:49; Belize, Costa Rica
blue grosbeak	<i>Passerina caerulea</i>	39/0r, 1:17:09; AZ, DE, FL, IA, NC, NM, OH, SC, TX, VA
Lazuli bunting	<i>Passerina amoena</i>	22/1r, 33:53; CA, MT, ND, OR, UT, WY
indigo bunting	<i>Passerina cyanea</i>	360/8r, 11:38:46; AR, AZ, Costa Rica, IA, IN, KY, ME, MI, MO, NC, NH, NJ, OH, ON, SC, TN, TX, VA
varied bunting	<i>Passerina versicolor</i>	5/0r, 13:01; AZ
painted bunting	<i>Passerina ciris</i>	83/1r, 2:41:01; FL, GA, OK, SC, TX
dickcissel	<i>Spiza americana</i>	78/1r, 2:16:49; IA, IN, KY, MN, MO, OH, SD, WI
<b>Icteridae</b>		
bobolink	<i>Dolichonyx oryzivorus</i>	29/0r, 1:00:18; ME, OH, ON, UT
red-winged blackbird	<i>Agelaius phoeniceus</i>	440/4r, 7:27:20; (captive OH) AZ, CA, CO, FL, IA, KS, KY, MA, ME, MI, MO, MT, NC, ND, NE, NH, NJ, OH, OR, SC, TX, Unknown, UT, VA,
tricolored blackbird	<i>Agelaius tricolor</i>	1/0r, 04:31; CA
eastern meadowlark	<i>Sturnella magna</i>	141/0r, 2:55:27; AL, FL, KY, MI, MS, NM, OH, TX, VA, WV
western meadowlark	<i>Sturnella neglecta</i>	55/0r, 2:53:04; CA, CO, IA, MN, MT, ND, NE, OH, SD, UT
yellow-headed blackbird	<i>Xanthocephalus xanthocephalus</i>	29/1r, 55:04; CA, CO, ID, MT, ND, OR, UT, WY
melodius blackbird	<i>Dives dives</i>	6/0r, 11:56; Belize
rusty blackbird	<i>Euphagus carolinus</i>	11/1r, 30:44; FL, NF, NY, OH
Brewer's blackbird	<i>Euphagus cyanocephalus</i>	15/0r, 21:55; CA, CO, ID, MT, ND, UT, WY



common grackle	<i>Quiscalus quiscula</i>	65/0r, 1:06:55; (captive OH) AZ, FL, GA, IL, ME, MO, NC, OH
boat-tailed grackle	<i>Quiscalus major</i>	26/1r, 45:49; FL, SC, VA
great-tailed grackle	<i>Quiscalus mexicanus</i>	29/0r, 1:17:16; AZ, Belize, Costa Rica, Mexico, Panama, TX
shiny cowbird	<i>Molothrus bonariensis</i>	0/1r, 00:26; Dominican Republic
bronzed cowbird	<i>Molothrus aeneus</i>	13/0r, 05:57; TX
brown-headed cowbird	<i>Molothrus ater</i>	112/0r, 1:31:11; (captive OH) AZ, CA, FL, MI, MO, ND, NM, OH, OR, TX, UT
orchard oriole	<i>Icterus spurius</i>	29/0r, 58:05; AL, FL, KS, KY, NC, OH, SC, TX, WV
hooded oriole	<i>Icterus cucullatus</i>	1/0r, 00:13; TX
streak-backed oriole	<i>Icterus pustulatus</i>	2/0r, 01:51; Mexico
spot-breasted oriole	<i>Icterus pectoralis</i>	1/0r, 00:15; Costa Rica
altamira (Lichtenstein's) oriole	<i>Icterus gularis</i>	12/4r, 40:07; El Salvador, Mexico, TX
Baltimore oriole	<i>Icterus galbula</i>	123/0r, 2:52:12; (captive OH) ME, MI, MO, ND, NE, NH, NJ, OH
Bullock's oriole	<i>Icterus bullockii</i>	12/1r, 13:32; AZ, CO, TX, UT
Scott's oriole	<i>Icterus parisorum</i>	14/0r, 15:29; AZ, UT
yellow-billed cacique	<i>Amblycercus holosericeus</i>	1/0r, 00:48; Costa Rica
scarlet-rumped cacique	<i>Cacicus uropygialis</i>	4/0r, 04:16; Costa Rica
yellow-winged cacique	<i>Cacicus melanicterus</i>	2/0r, 02:15; Mexico
brown-headed cacique	<i>Cacicus sp.</i>	1/0r, 02:29; (captive OH)
crested oropendola	<i>Psarocolius decumanus</i>	1/0r, 01:25; Panama
Montezuma oropendola	<i>Psarocolius montezuma</i>	4/0r, 06:32; Costa Rica
Fringillidae Fringillinae		
common chaffinch	<i>Fringilla coelebs</i>	1/0r, 00:20; The Netherlands
Fringillidae Euphoniinae		
yellow-throated euphonia	<i>Euphonia hirundinacea</i>	1/0r, 00:44; Belize
rufous-bellied euphonia	<i>Euphonia rufiventris</i>	1/0r, 01:20; (captive OH)
Fringillidae Carduelinae		
gray-crowned rosy-finch	<i>Leucosticte tephrocotis</i>	9/0r, 18:36; (captive CA) AK
black rosy-finch	<i>Leucotiste atrata</i>	10/0r, 06:47; CO, NV
brown-capped rosy-finch	<i>Leucosticte australis</i>	18/0r, 22:23; CO
pine grosbeak	<i>Pinicola enucleator</i>	8/2r, 16:11; AK, MB, NB, UT
purple finch	<i>Carpodacus purpureus</i>	74/6r, 1:48:17; CA, MB, ME, MI, NH, NY, OH, ON, OR, SD, WY
white-browed rosefinch	<i>Carpodacus thura</i>	5/0r, 05:05; China
Cassin's finch	<i>Carpodacus cassinii</i>	18/0r, 34:14; CA, NV, OR, UT
house finch	<i>Carpodacus mexicanus</i>	58/0r, 1:34:19; AZ, CA, CO, NH, NJ, NY, OH, OR, PA, TX, UT
red crossbill	<i>Loxia curvirostra</i>	24/0r, 24:18; China, ME, OH, OR, UT, WA
white-winged crossbill	<i>Loxia leucoptera</i>	22/0r, 37:29; AK, ME, WY
common redpoll	<i>Carduelis flammea</i>	13/3r, 29:27; AK, MB, NH, ON
hoary redpoll	<i>Carduelis hornemanni</i>	2/1r, 05:59; AK, MB
pine siskin	<i>Carduelis pinus</i>	15/3r, 33:36; AK, BC, CA, MI, MT, NH, OH, UT
yellow-bellied siskin	<i>Carduelis xanthogastra</i>	1/0r, 01:08; Costa Rica
lesser goldfinch	<i>Carduelis psaltria</i>	10/0r, 17:04; AZ, CA, UT
Lawrence's goldfinch	<i>Carduelis lawrencei</i>	5/0r, 07:22; AZ, CA, ID
American goldfinch	<i>Carduelis tristis</i>	102/0r, 1:53:17; ME, NC, NH, OH, OR, UT
common canary	<i>Serinus canaria</i>	3/1r, 17:31; (captive OH) MA
Tibetan siskin	<i>Serinus thibetanus</i>	1/0r, 00:38; China
cape canary	<i>Serinus canicollis</i>	2/0r, 00:13; Mauritius
yellow-fronted canary	<i>Serinus mozambicus</i>	2/0r, 03:02; Mauritius
gray-headed bullfinch	<i>Pyrrhula erythaca</i>	8/0r, 05:05; China
evening grosbeak	<i>Coccothraustes vespertinus</i>	22/8r, 41:19; CA, MI, MT, NB, NH, OH, ON, PA, PQ, UT, VT
Fringillidae Drepanidinae		
Hawaii amakihi	<i>Hemignathus virens</i>	2/0r, 07:44; HI

Maui creeper (alauahio)	<i>Paroreomyza montana</i>	1/0r, 09:02; HI
iiwi	<i>Vestiaria coccinea</i>	1/0r, 13:27; HI
apapane	<i>Himatione sanguinea</i>	6/0r, 21:33; HI
<b>Passeridae</b>		
house sparrow	<i>Passer domesticus</i>	61/0r, 1:05:11; (captive OH) AZ, IL, KY, OH, TX, UT
Eurasian tree sparrow	<i>Passer montanus</i>	2/0r, 02:23; China, IL
red fody	<i>Foudia madagascariensis</i>	5/0r, 09:40; Mauritius
Mauritius fody	<i>Foudia rubra rubra</i>	5/0r, 26:59; Mauritius
yellow (Rodriguez) fody	<i>Foudia flavicans</i>	5/0r, 20:55; Mauritius
<b>Cracticidae</b>		
Australian magpie	<i>Gymnorhina tibicen</i>	2/0r, 05:16; Australia
pied currawong	<i>Strepera graculina</i>	1/0r, 00:52; Australia
<b>Estrildidae</b>		
white-rumped munia [striata]	<i>Lonchura striata striata</i>	0/1r, 12:55; (captive China)
white-rumped munia [swinhoei]	<i>Lonchura striata swinhoei</i>	0/1r, 08:24; (captive China)
nutmeg mannikin	<i>Lonchura punctulata</i>	0/1r, 04:45; OH
white-bellied munia	<i>Lonchura leucogastra</i>	0/1r, 11:53; (captive China)
Java sparrow	<i>Padda oryzivora</i>	1/0r, 03:43; HI
zebra finch	<i>Taeniopygia guttata</i>	1/0r, 01:34; (captive OH)
<b>Miscellaneous Aves</b>		
Medleys of Aves		
medley of birds	<i>Medley bird</i>	41/1r, 1:27:37; Costa Rica, FL, KY, ME, OH, UT, WA
Unidentified Aves		
bird - unknown sp.	<i>Unknown aves sp.</i>	41/0r, 50:10; Belize, China, Costa Rica, Guatemala

## Mammalia

### Didelphimorphia

Didelphidae Didelphinae opossum	<i>Didelphis virginiana</i>	1/0r, 00:40; (captive OH)
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### Diprotodontia

Phascolarctidae koala	<i>Phascolarctos cinereus</i>	3/0r, 01:34; (captive OH)
Macropodidae tree kangaroo	<i>Dendrolagus matschiei</i>	1/0r, 19:31; (captive OH)

### Xenarthra

Bradypodidae brown-throated three-toed sloth	<i>Bradypus variegatus</i>	1/0r, 00:32; (captive Panama)
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### Insectivora

Soricidae Soricinae northern short-tailed shrew	<i>Blarina brevicauda</i>	3/0r, 08:27; (captive OH)
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### Chiroptera

Vespertilionidae Vespertilionae silver haired bat	<i>Lasiorycteris noctivigans</i>	1/0r, 00:54; (captive OH)
big brown bat	<i>Eptesicus fuscus</i>	2/1r, 12:30; (captive OH,Unknown) OH
red bat	<i>Lasiurus borealis</i>	0/0r, 00:00;
bat - unknown sp.	<i>Unknown bat sp.</i>	1/0r, 01:18; ME
Molossidae Mexican free-tailed bat	<i>Tadarida brasiliensis</i>	1/0r, 01:04; FL

### Primates

Cebidae Atelinae woolly monkey	<i>Lagothrix lagotricha</i>	1/0r, 00:37; (captive OH)
Cebidae Alouattinae black (mantled) howler monkey	<i>Alouatta palliata</i>	10/0r, 58:25; Costa Rica, Panama
red howler monkey	<i>Alouatta seniculus</i>	4/0r, 09:35; Costa Rica, Venezuela
Cebidae Pitheciinae white-faced saki	<i>Pithecia pithecia</i>	0/4r, 01:12; (captive RI)
Cebidae Cebinae white-throated capuchin monkey	<i>Cebus capucinus</i>	2/0r, 00:57; Costa Rica
brown (tufted) capuchin monkey	<i>Cebus apella</i>	1/0r, 01:49; (captive OH)
squirrel monkey	<i>Saimiri sciureus</i>	0/7r, 00:40; (captive MD)
Callitricidae common marmoset	<i>Callithrix jacchus</i>	0/6r, 00:28; (captive MD)
golden lion tamarin	<i>Leontopithecus rosalia</i>	1/0r, 02:39; (captive OH)
Hylobatidae white cheek gibbon	<i>Hylobates leucogenys</i>	1/0r, 05:04; (captive OH)
siamang	<i>Hylobates syndactylus</i>	6/0r, 1:11:05; (captive OH)
white-handed gibbon	<i>Hylobates lar</i>	7/0r, 1:33:46; (captive OH)
Hominidae gorilla	<i>Gorilla gorilla</i>	3/0r, 02:55; (captive OH,PA)

bonobo	<i>Pan paniscus</i>	1/0r, 14:17; OH
human	<i>Homo sapiens</i>	16/0r, 45:15; AK, China, FL, French Polynesia, Mauritius, OH, Panama

**Carnivora**

## Canidae

Arctic blue fox	<i>Alopex lagopus</i>	2/0r, 09:37; AK
eastern gray fox	<i>Urocyon cinereoargenteus</i>	0/5r, 08:02; (captive OH)
coyote	<i>Canis latrans</i>	5/0r, 05:41; (captive IN,OH) AZ, TX
gray (timber) wolf	<i>Canis lupus lupus</i>	18/0r, 34:44; (captive IN,OH) IN
Mexican wolf	<i>Canis lupus baileyi</i>	8/0r, 23:25; (captive OH)
domestic dog	<i>Canis familiaris</i>	63/1r, 2:01:52; (captive NH,OH) NT, OH

## Procyonidae Procyoninae

raccoon	<i>Procyon lotor</i>	8/0r, 12:48; (captive OH) OH
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## Mustelidae Lutrinae

river otter	<i>Lontra canadensis</i>	2/1r, 09:54; (captive OH) FL, MI
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## Herpestidae

meerkat	<i>Suricata suricatta</i>	0/0r, 00:00;
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## Felidae Felinae

domestic cat	<i>Felis catus</i>	2/0r, 03:06; (captive OH)
bobcat	<i>Lynx rufus</i>	2/0r, 01:20; (captive OH)
Geoffroy's cat	<i>Oncifelis geoffroyi</i>	3/0r, 08:36; (captive OH)
cougar	<i>Puma concolor</i>	1/0r, 01:00; (captive OH)

## Felidae Pantherinae

snow leopard	<i>Uncia uncia</i>	3/0r, 01:39; (captive OH)
tiger (Sumatran)	<i>Panthera tigris sumatrae</i>	1/0r, 02:49; (captive OH)
tiger (Bengal)	<i>Panthera tigris tigris</i>	2/0r, 04:15; (captive OH)
leopard	<i>Panthera pardus</i>	2/0r, 04:29; (captive OH)
jaguar	<i>Panthera onca</i>	1/0r, 00:29; (captive OH)
African lion	<i>Panthera leo</i>	77/0r, 52:16; (captive OH,PA) South Africa

## Felidae Acinonychinae

cheetah	<i>Acinonyx jubatus</i>	1/0r, 01:13; (captive OH)
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**Pinnipedia**

## Otariidae

northern fur seal	<i>Callorhinus ursinus</i>	14/0r, 50:26; AK
California sea lion	<i>Zalophus californianus</i>	3/0r, 04:05; Ecuador, Mexico
Stellar sea lion	<i>Eumetopias jubatus</i>	7/0r, 23:36; AK

## Odobenidae

walrus	<i>Odobenus rosmarus</i>	0/3r, 24:17; (captive CA) MB
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## Phocidae

northern elephant seal	<i>Mirounga angustirostris</i>	7/0r, 3:07:08; CA
harbor seal	<i>Phoca vitulina</i>	1/0r, 00:34; ME

**Cetacea**

## Delphinidae

killer whale	<i>Orcinus orca</i>	1/1r, 10:16; AK, WA
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## Proboscidea

### Elephantidae

Asian elephant	<i>Elephas maximus</i>	3/0r, 01:56; (captive OH)
African elephant	<i>Loxodonta africana</i>	2/0r, 00:26; (captive IL,OH)

## Perissodactyla

### Equidae

Mediterranean donkey	<i>Equus asinus</i>	1/0r, 01:04; (captive OH)
kiang	<i>Equus kiang</i>	1/0r, 00:16; (captive China)
domestic horse	<i>Equus caballus</i>	2/0r, 01:22; (captive OH) UT
Grant's zebra	<i>Equus burchellii boehmi</i>	1/0r, 00:25; (captive OH)

### Tapiridae

South American (Brazilian) tapir	<i>Tapirus terrestris</i>	4/0r, 14:25; (captive OH)
Baird's tapir	<i>Tapirus bairdii</i>	1/0r, 05:50; (captive OH)
Malayan tapir	<i>Tapirus indicus</i>	1/0r, 00:12; (captive OH)

### Rhinocerotidae

Sumatran (hairy) rhinoceros	<i>Dicerorhinus sumatrensis</i>	2/0r, 01:25; (captive OH)
greater Indian rhinoceros	<i>Rhinoceros unicornis</i>	1/0r, 01:07; (captive TX)
African black rhinoceros	<i>Diceros bicornis</i>	178/0r, 10:22:45; (captive CO,IL,MI,MO,OH,PA,TX,WI)
white (square-lipped) rhinoceros	<i>Ceratotherium simum</i>	2/0r, 09:46; (captive OH)

## Artiodactyla

### Suidae Suinae

domestic pig or feral pig	<i>Sus scrofa</i>	7/0r, 05:25; (captive OH) CA
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### Suidae Phacochoerinae

wart hog	<i>Phacochoerus aethiopicus</i>	2/0r, 02:14; (captive OH)
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### Hippopotamidae

hippopotamus	<i>Hippopotamus amphibius</i>	4/0r, 02:17; (captive CO,IL,WI)
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### Camelidae

llama	<i>Lama glama</i>	1/0r, 00:09; (captive OH)
alpaca	<i>Lama pacos</i>	6/0r, 24:17; (captive OH)
Bactrian camel	<i>Camelus bactrianus</i>	1/0r, 00:25; (captive OH)

### Cervidae Cervinae

sika deer	<i>Cervus nippon</i>	3/0r, 00:34; (captive OH)
wapiti (elk)	<i>Cervus elaphus</i>	16/0r, 1:15:10; PA, UT, WY

### Cervidae Capreolinae

white-tailed deer	<i>Odocoileus virginianus</i>	3/0r, 01:58; MI, OH
moose	<i>Alces alces</i>	1/0r, 01:45; OH
reindeer	<i>Rangifer tarandus</i>	7/0r, 16:39; (captive OH) AK, OH

### Antilocapridae

pronghorn antelope	<i>Antilocapra americana</i>	1/0r, 02:48; WY
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### Bovidae Bovinae

domestic cow	<i>Bos taurus</i>	10/0r, 52:19; (captive MO) UT
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### Bovidae Caprinae

domestic goat	<i>Capra hircus</i>	1/0r, 00:56; (captive OH)
domestic sheep	<i>Ovis aries</i>	1/0r, 02:18; (captive OH)
bighorn sheep	<i>Ovis canadensis</i>	1/0r, 01:47; (captive MI)

**Rodentia**

## Sciuridae Sciurinae

eastern chipmunk	<i>Tamias striatus</i>	27/0r, 23:03; ME, MI, OH
Townsend's chipmunk	<i>Tamias townsendii</i>	2/0r, 02:12; OR
yellow pine chipmunk	<i>Tamias amoenus</i>	1/0r, 00:30; CA
arctic ground squirrel	<i>Spermophilus undulatus</i>	2/0r, 02:35; AK
Townsend's ground squirrel	<i>Spermophilus townsendii</i>	1/0r, 05:23; UT
Uinta ground squirrel	<i>Spermophilus armatus</i>	1/0r, 02:00; MT
thirteen-lined ground squirrel	<i>Spermophilus tridecemlineatus</i>	139/0r, 10:08:08; (captive OH,Unknown) OH
blacktail prairie dog	<i>Cynomys ludovicianus</i>	5/0r, 07:17; ND, WY
eastern gray squirrel	<i>Sciurus carolinensis</i>	11/0r, 11:10; FL, OH
eastern fox squirrel	<i>Sciurus niger</i>	2/0r, 01:30; IL, OH
squirrel - unknown <i>Sciurus</i> sp.	<i>Sciurus</i> sp.	1/0r, 01:00; OR
red squirrel	<i>Tamiasciurus hudsonicus</i>	16/0r, 19:12; AK, ME, MI, MT, OH, UT
Douglas squirrel (chickaree)	<i>Tamiasciurus douglasii</i>	3/0r, 04:54; CA, WA

## Castoridae

beaver	<i>Castor canadensis</i>	2/0r, 07:48; AK, MI
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## Muridae Sigmodontinae

white-footed mouse	<i>Peromyscus leucopus</i>	1/0r, 01:28; MI
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## Muridae Arvicolinae

meadow vole	<i>Microtus pennsylvanicus</i>	15/0r, 25:41; OH
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## Bathyergidae

naked mole rat	<i>Heterocephalus glaber</i>	1/0r, 03:04; (captive OH)
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## Caviidae Caviinae

guinea pig	<i>Cavia porcellus</i>	1/0r, 00:43; (captive OH)
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## Caviidae Dolichotinae

Patagonian cavy	<i>Dolichotis patagonum</i>	1/0r, 00:02; (captive OH)
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## Hydrochaeridae

capybara	<i>Hydrochaeris hydrochaeris</i>	2/0r, 01:51; (captive OH)
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## Dasyproctidae

Central American agouti	<i>Dasyprocta punctata</i>	1/0r, 00:12; Costa Rica
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## Myocastoridae

nutria	<i>Myocastor coypus</i>	1/0r, 00:36; LA
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**Lagomorpha**

## Ochotonidae

pika	<i>Ochotona princeps</i>	2/0r, 00:48; NV
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## Leporidae

New Zealand white rabbit	<i>Oryctolagus cuniculus</i> (domesticated)	1/0r, 01:00; (captive OH)
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## Reptilia

### Squamata

#### Viperidae

eastern diamondback rattlesnake	<i>Crotalus adamanteus</i>	1/0r, 01:15; (captive OH)
western diamondback rattlesnake	<i>Crotalus atrox</i>	4/0r, 02:32; (captive OH) MT, ND
timber rattlesnake	<i>Crotalus horridus horridus</i>	4/0r, 05:08; (captive OH)
canebrake rattlesnake	<i>Crotalus horridus atricaudatus</i>	1/0r, 01:33; (captive OH)
mojave rattlesnake	<i>Crotalus scutulatus</i>	5/0r, 22:09; AZ
northern Pacific rattlesnake	<i>Crotalus viridis oreganus</i>	1/0r, 01:30; (captive OH)
prairie rattlesnake	<i>Crotalus viridis viridis</i>	1/0r, 00:28; (captive OH)
massasauga (swamp rattlesnake)	<i>Sistrurus catenatus</i>	3/0r, 02:34; (captive OH)
western pygmy rattlesnake	<i>Sistrurus miliarius streckeri</i>	1/0r, 00:39; (captive KY)

#### Gekkonidae

house gecko	<i>Hemidactylus frenatus</i>	2/0r, 03:15; Panama
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### Crocodylia

#### Alligatoridae

American alligator	<i>Alligator mississippiensis</i>	1/0r, 01:00; FL
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## Amphibia

## Anura

Pelobatidae		
eastern spadefoot toad	<i>Scaphiopus holbrookii</i>	1/0r, 04:37; OH
Leptodactylidae Telmatobiinae		
eleutherodactylid frog (tink [diastema])	<i>Eleutherodactylus diastema</i>	2/0r, 05:33; Panama
eleutherodactylid frog [taeniatus]	<i>Eleutherodactylus taeniatus</i>	1/0r, 00:12; Panama
Leptodactylidae Leptodactylinae		
white-lipped frog	<i>Leptodactylus labialis</i>	4/0r, 05:07; Panama
smoky jungle frog	<i>Leptodactylus pentadactylus</i>	2/0r, 02:51; (captive Panama) Panama
leptodactylid frog	<i>Leptodactylus poecilochilus</i>	2/0r, 03:40; Panama
tungara frog	<i>Physalaemus pustulosus</i>	3/0r, 06:08; Panama
Bufonidae		
Chiriqui harlequin frog	<i>Atelopus chiriquiensis</i>	5/0r, 16:24; (captive OH, Panama) Panama
yellow harlequin frog	<i>Atelopus flavescens</i>	2/0r, 06:49; (captive OH)
varied harlequin frog	<i>Atelopus varius</i>	7/0r, 17:08; (captive Panama)
Panamanian golden frog	<i>Atelopus zeteki</i>	20/0r, 46:04; (captive Panama) Panama
American toad	<i>Bufo americanus</i>	15/0r, 38:45; (captive MI) MI, OH
Fowler's toad	<i>Bufo fowleri</i>	65/0r, 2:02:48; NH, OH
Houston toad	<i>Bufo houstonensis</i>	1/0r, 07:52; TX
giant toad	<i>Bufo marinus</i>	2/0r, 08:22; Panama
oak toad	<i>Bufo quercicus</i>	2/0r, 03:59; GA
southern toad	<i>Bufo terrestris</i>	1/0r, 01:03; FL
Panamanian common toad	<i>Bufo typhonius</i>	1/0r, 01:12; Panama
Woodhouse's toad	<i>Bufo woodhousei</i>	3/0r, 17:09; AZ, UT
Dendrobatidae		
dendrobatid frog [inguinalis]	<i>Colostethus inguinalis</i>	3/0r, 11:55; Panama
dendrobatid frog [nubicola]	<i>Colostethus nubicola</i>	1/0r, 01:03; Panama
dendrobatid frog [pratti]	<i>Colostethus pratti</i>	1/0r, 00:37; Panama
dendrobatid frog [talamancae]	<i>Colostethus talamancae</i>	3/0r, 03:46; Costa Rica, Panama
dendrobatid frog [pumelio]	<i>Dendrobates pumelio</i>	2/0r, 01:16; Costa Rica
Hylidae Phyllomedusinae		
red-eyed treefrog	<i>Agalychnis callidryas</i>	3/0r, 12:07; Panama
Mexican treefrog	<i>Pachymedusa dacnicolor</i>	1/0r, 01:12; Mexico
Hylidae Hemiphractinae		
marsupial brooding frog	<i>Gastrotheca ceratophrys</i>	1/0r, 00:08; Panama
Hylidae Hylinae		
Blanchard's cricket frog	<i>Acris crepitans blanchardi</i>	12/0r, 13:04; IA, IN, OH
northern cricket frog	<i>Acris crepitans crepitans</i>	1/0r, 01:00; OH
Florida cricket frog	<i>Acris gryllus dorsalis</i>	5/0r, 04:36; FL
southern cricket frog	<i>Acris gryllus gryllus</i>	11/0r, 22:05; GA, NC
pine barrens treefrog	<i>Hyla andersonii</i>	0/0r, 00:00;
Cope's gray treefrog	<i>Hyla chrysoscelis</i>	5/0r, 07:05; MD, OH
green treefrog	<i>Hyla cinerea</i>	3/0r, 02:16; FL, GA, SC
treefrog [crepitans]	<i>Hyla crepitans</i>	2/0r, 03:58; Panama
treefrog [ebreccata]	<i>Hyla ebreccata</i>	2/0r, 07:18; Panama
pine woods treefrog	<i>Hyla femoralis</i>	4/0r, 08:05; NC, UT
barking treefrog	<i>Hyla gratiosa</i>	1/0r, 00:55; FL
treefrog [leucefalata]	<i>Hyla leucefalata</i>	1/0r, 02:35; Guyana



treefrog [microcephala]	<i>Hyla microcephala</i>	3/0r, 07:17; Panama
treefrog [phlebodes]	<i>Hyla phlebodes</i>	1/0r, 01:18; Panama
Pacific treefrog	<i>Hyla regilla</i>	11/0r, 25:06; CA, Mexico, WA
Rosenberg's treefrog	<i>Hyla rosenbergi</i>	2/0r, 07:00; Panama
red-webbed treefrog	<i>Hyla rufitela</i>	2/0r, 05:09; Panama
squirrel treefrog	<i>Hyla squirella</i>	5/0r, 04:04; FL
gray treefrog	<i>Hyla versicolor</i>	329/0r, 14:05:39; IA, ME, MI, OH, TX
mountain chorus frog	<i>Pseudacris brachyphona</i>	9/1r, 14:07; (captive OH) OH
spring peeper	<i>Pseudacris crucifer</i>	34/0r, 1:13:45; (captive OH) GA, MD, ME, MI, OH
little grass frog	<i>Pseudacris ocularis</i>	1/0r, 00:54; FL
upland chorus frog	<i>Pseudacris triseriata feriarum</i>	1/0r, 00:34; KY
boreal chorus frog	<i>Pseudacris triseriata maculata</i>	10/0r, 47:32; MB, ND, UT
western chorus frog	<i>Pseudacris triseriata triseriata</i>	27/3r, 39:32; (captive OH) CO, OH
treefrog [boesmani]	<i>Scinax boesmani</i>	1/0r, 03:06; Guyana
treefrog [boulengeri]	<i>Scinax boulengeri</i>	4/0r, 07:30; Panama
treefrog [garbei]	<i>Scinax garbei</i>	1/0r, 05:05; Guyana
treefrog [rubra]	<i>Scinax rubra</i>	2/0r, 12:06; Guyana, Panama
treefrog [staufferi]	<i>Scinax staufferi</i>	1/0r, 01:04; Panama
treefrog [x-signata]	<i>Scinax x-signata</i>	1/0r, 03:08; Guyana
treefrog [phaeota]	<i>Smilisca phaeota</i>	3/0r, 07:51; Panama
<b>Centrolenidae</b>		
glass frog [prosolepon]	<i>Centrolene prosolepon</i>	1/0r, 02:36; Panama
glass frog [granulosa]	<i>Cochranella granulosa</i>	4/0r, 06:09; Panama
glass frog [spinosa]	<i>Cochranella spinosa</i>	4/0r, 04:48; Panama
glass frog [fleischmanni]	<i>Hyalinobatrachium fleischmanni</i>	1/0r, 03:25; Panama
<b>Ranidae</b>		
bullfrog	<i>Rana catesbeiana</i>	22/10r, 1:42:33; AZ, KY, OH, Unknown
green frog	<i>Rana clamitans melanota</i>	11/0r, 43:43; ME, OH
pig frog	<i>Rana grylio</i>	4/0r, 04:55; FL, LA
pickerel frog	<i>Rana palustris</i>	4/1r, 11:51; KY, NC, NY, OH
northern leopard frog	<i>Rana pipiens</i>	1/0r, 01:00; NY
mink frog	<i>Rana septentrionalis</i>	1/0r, 00:54; NY
wood frog	<i>Rana sylvatica</i>	5/0r, 22:47; NY, OH
southern leopard frog	<i>Rana utricularia</i>	1/0r, 00:57; FL
carpenter frog	<i>Rana virgatipes</i>	1/0r, 00:38; SC
<b>Microhylidae</b>		
Panamanian narrowmouthed toad	<i>Chiasmocleis panamensis</i>	3/0r, 01:42; Panama
eastern narrowmouthed toad	<i>Gastrophryne carolinensis</i>	1/0r, 00:44; NC

### Miscellaneous Anura

Medleys of Anurans		
chorusing amphibians	<i>Medley amphibian</i>	8/0r, 20:55; FL, GA, OH, Panama

**Osteichthyes****Siluriformes**

## Ictaluridae

black bullhead

*Ictalurus melas*

4/0r, 11:31; (captive OH)

## Loricariidae

catfish (South American)  
[plecostomus]*Hypostomus plecostomus*

1/0r, 00:32; (captive OH)

## Doradidae

catfish (South American) [raffnel]

*Acanthodoras raffnel*

1/0r, 00:47; (captive OH)

## Arthropoda

### Odonata

Aeshnidae		
darner [tuberculifera]	<i>Aeshna tuberculifera</i>	3/0r, 03:07; (captive ME)
big green darner	<i>Anax junius</i>	2/0r, 02:00; (captive ME,OH)
Libellulidae		
red skimmer	<i>Sympetrum internum</i>	1/0r, 00:17; (captive ME)
Calopterygidae		
black-wing (damselfly)	<i>Calopteryx maculata</i>	1/0r, 08:32; (captive OH)

### Orthoptera

Acrididae Gomphocerinae		
sprinkled locust	<i>Chloealtis conspersa</i>	1/0r, 03:55; OH
marsh meadow locust	<i>Chorthippus curtippennis</i>	1/0r, 02:40; (captive WV)
bunch grass locust	<i>Pseudopomala brachyptera</i>	1/0r, 00:23; (captive IL)
tooth-legged grasshopper [admirabilis]	<i>Syrubula admirabilis</i>	1/0r, 01:17; (captive OH)
Acrididae Oedipodinae		
band-winged grasshopper - unknown Arphia sp.	<i>Arphia</i> sp.	2/0r, 01:11; KY, OH
dusky locust	<i>Encoptolophus sordidus</i>	1/0r, 00:38; OH
band-winged grasshopper [marmorata]	<i>Scirtetica marmorata</i>	3/0r, 01:27; ME
Tettigoniidae Pseudophyllinae		
katydid [Lea]	<i>Lea floridensis</i>	1/0r, 01:07; FL
common true katydid	<i>Pterophylla camellifolia</i>	80/0r, 56:42; (captive OH) IL, KY, LA, NC, OH, VA, WV
true katydid - unknown sp.	<i>Pterophylla</i> sp.	9/0r, 07:02; FL, NC, VA
Tettigoniidae Phaneropterinae		
carinate katydid	<i>Amblycorypha carinata</i>	2/0r, 01:50; MD
Florida katydid	<i>Amblycorypha floridana</i>	3/0r, 04:16; FL
oblong-winged katydid	<i>Amblycorypha oblongifolia</i>	15/0r, 12:18; IL, KY, NH, OH
rattler round-winged katydid	<i>Amblycorypha rotundifolia</i>	13/0r, 35:36; (captive OH) IL, OH, WV
Uhler's virtuoso katydid	<i>Amblycorypha uhleri</i>	3/0r, 08:40; (captive FL) NC, OH
round-headed katydid - unknown Amblycorypha sp.	<i>Amblycorypha</i> sp.	2/0r, 03:22; NC
lesser angle-wing	<i>Microcentrum retinerve</i>	1/0r, 01:50; OH
greater angle-wing	<i>Microcentrum rhombifolium</i>	13/0r, 19:26; IL, OH
southeastern bush katydid	<i>Scudderia cuneata</i>	1/0r, 00:02; (captive NC)
Tettigoniidae Conocephaline		
long-tailed meadow katydid	<i>Conocephalus attenuatus</i>	1/0r, 05:05; (captive OH)
short-winged meadow katydid	<i>Conocephalus brevippennis</i>	4/0r, 07:27; (captive OH) WV
slender meadow katydid	<i>Conocephalus fasciatus</i>	11/0r, 18:47; (captive KY,ME,OH) LA, NC, OH, TN
graceful meadow katydid	<i>Conocephalus gracillimus</i>	1/0r, 03:00; FL
woodland meadow katydid	<i>Conocephalus nemoralis</i>	2/0r, 05:58; OH
black-sided meadow katydid	<i>Conocephalus nigropleurum</i>	1/0r, 06:22; OH
straight-lanced meadow katydid	<i>Conocephalus strictus</i>	1/0r, 01:54; (captive OH)
agile meadow katydid	<i>Orchelimum agile</i>	9/0r, 28:11; (captive NC)
Bradley's katydid	<i>Orchelimum bradleyi</i>	1/0r, 02:45; FL
dusky-faced meadow katydid	<i>Orchelimum campestre</i>	7/0r, 23:58; (captive OH) IL, KY, OH
stripe-faced meadow katydid	<i>Orchelimum concinnum</i>	5/0r, 16:07; (captive FL,NC,OH)
delicate meadow katydid	<i>Orchelimum delicatum</i>	3/0r, 07:51; (captive OH)

red-headed meadow katydid	<i>Orchelimum erythrocephalum</i>	1/0r, 02:57; (captive NC)
seaside meadow katydid	<i>Orchelimum fidicinium</i>	2/0r, 04:03; (captive NC)
gladiator meadow katydid	<i>Orchelimum gladiator</i>	9/0r, 18:58; (captive OH) OH
lesser pine katydid	<i>Orchelimum minor</i>	4/0r, 05:03; (captive OH) OH
black-legged meadow katydid	<i>Orchelimum nigripes</i>	7/0r, 08:29; (captive OH) IL, OH
handsome meadow katydid	<i>Orchelimum pulchellum</i>	1/0r, 01:30; (captive NC)
long-spurred meadow katydid	<i>Orchelimum silvaticum</i>	5/0r, 09:28; (captive KY,OH) KY, OH
superb meadow katydid	<i>Orchelimum suberbum</i>	2/0r, 07:03; (captive NJ)
nimble meadow katydid	<i>Orchelimum volantum</i>	1/0r, 05:03; OH
common meadow katydid	<i>Orchelimum vulgare</i>	11/0r, 29:21; (captive OH) AL, IL, OH, TN
Tettigoniidae Copiphorinae		
conehead - unknown sp.	<i>Belocephalus Belocephalus sp.</i>	6/0r, 05:40; FL
Caudell's conehead	<i>Neoconocephalus caudellianus</i>	2/0r, 01:26; NC
sword-bearing conehead	<i>Neoconocephalus ensiger</i>	13/0r, 12:40; (captive ME,OH) IL, ME, OH
slightly musical conehead	<i>Neoconocephalus exiliscanorus</i>	4/0r, 04:27; (captive OH) NC, OH
slender conehead	<i>Neoconocephalus lyristes</i>	1/0r, 00:59; OH
Nebraska conehead	<i>Neoconocephalus nebrascensis</i>	16/0r, 23:04; (captive KY,OH,unknown) OH
marsh conehead	<i>Neoconocephalus palustris</i>	1/0r, 01:42; OH
round-tipped conehead	<i>Neoconocephalus retusus</i>	4/0r, 05:47; IL, OH, WV
robust conehead	<i>Neoconocephalus robustus</i>	23/0r, 17:40; (captive DE,KY,OH) DE, IL, KY, NC, OH, VA, WV
broad-tipped conehead	<i>Neoconocephalus triops</i>	2/0r, 01:55; GA, MS
conehead - unknown sp.	<i>Neoconocephalus sp.</i>	3/0r, 02:39; FL
conehead [uncinata]	<i>Pyrgocorypha uncinata</i>	2/0r, 02:56; FL
Tettigoniidae Tettigoniinae		
pine katydid	<i>Hubbellia marginifera</i>	2/0r, 04:36; NC
Tettigoniidae Decticinae		
American shieldback	<i>Atlantiscus americanus</i>	1/0r, 15:45; (captive OH)
Mormon cricket	<i>Anabrus simplex</i>	15/0r, 1:49:43; UT
Davis's shieldback	<i>Atlantiscus davisii</i>	3/0r, 07:48; (captive MO,NC,OH)
least shieldback	<i>Atlantiscus monticola</i>	1/0r, 00:54; (captive WV)
protean shieldback	<i>Atlantiscus testaceus</i>	8/0r, 15:54; (captive IN,OH) OH
shieldback - unknown sp.	<i>Atlantiscus sp.</i>	1/0r, 00:45; FL
Tettigoniidae Unknown		
Tettigonid - unknown	<i>Tettigoniidae unknown sp.</i>	3/0r, 04:25; FL
Gryllidae Gryllinae		
house cricket	<i>Acheta domesticus</i>	8/0r, 28:23; (captive MO,OH) unknown
short-tailed cricket	<i>Anurogryllus muticus</i>	6/0r, 11:48; (captive MS) GA, MS
field cricket [tarcoolina]	<i>Apedina tarcoolina</i>	0/1r, 00:16; Australia
field cricket [cooma]	<i>Aritella cooma</i>	0/2r, 00:18; Australia
field cricket [fabria]	<i>Aritella fabria</i>	0/1r, 00:10; Australia
field cricket [fulviceps]	<i>Aritella fulviceps</i>	0/1r, 00:05; Australia
field cricket [girralonga]	<i>Aritella girralonga</i>	0/1r, 00:11; Australia
field cricket [gurrinya]	<i>Aritella gurrinya</i>	0/1r, 00:13; Australia
field cricket [leengila]	<i>Aritella leengila</i>	0/1r, 00:17; Australia
field cricket [wurunga]	<i>Aritella wurunga</i>	0/1r, 00:32; Australia
field cricket - unknown Aritella sp.	<i>Aritella sp.</i>	0/1r, 00:09; Australia
field cricket [mediocris]	<i>Birubia mediocris</i>	0/1r, 00:04; Australia
field cricket [adina]	<i>Comidogryllus adina</i>	0/3r, 00:34; Australia
field cricket [dallacheus]	<i>Comidogryllus dallacheus</i>	0/1r, 00:27; Australia
tropical house cricket	<i>Gryllodes sigillatus</i>	2/0r, 03:01; (captive IN)
southern wood cricket	<i>Gryllus fultoni</i>	38/0r, 27:34; (captive NC,OH) AR, GA, LA, MD, MO, MS, NC, OH

variable field cricket	<i>Gryllus lineaticeps</i>	2/0r, 07:02; (captive CA)
fall field cricket	<i>Gryllus pennsylvanicus</i>	21/0r, 20:25; (captive IL,ME,NC,OH,WV) IL, IN, OH
spring field cricket	<i>Gryllus veletis</i>	5/0r, 05:51; (captive OH) OH
northern wood cricket	<i>Gryllus vernalis</i>	11/0r, 09:41; (captive OH)
field cricket - unknown Gryllus sp.	<i>Gryllus sp.</i>	22/0r, 34:54; (captive ME,OH) FL, ME, OH
field cricket [brevicauda]	<i>Gymnogryllus brevicauda</i>	0/1r, 00:16; Australia
field cricket [corroboree]	<i>Gymnogryllus corroboree</i>	0/1r, 00:04; Australia
field cricket [pallins]	<i>Loxoblemmus pallens</i>	0/3r, 00:43; Australia
field cricket [parvulus]	<i>Lepidogryllus parvulus</i>	0/2r, 00:25; Australia
Serville's ground cricket	<i>Miogryllus verticalis</i>	6/0r, 11:43; (captive IL,OH) FL, OH
field cricket [oceanicus]	<i>Teleogryllus oceanicus</i>	0/1r, 00:11; Australia
field cricket - unknown sp.	<i>sf. Gryllinae sp.</i>	1/1r, 01:17; Australia, OH
<b>Gryllidae Nemobiinae</b>		
striped ground cricket	<i>Allonemobius fasciatus</i>	21/0r, 31:27; (captive ME,OH) IL, OH
dusky ground cricket	<i>Allonemobius funeralis</i>	2/0r, 03:13; GA, MS
spotted ground cricket	<i>Allonemobius maculatus</i>	2/0r, 03:40; IN, OH
southern ground cricket	<i>Allonemobius socius</i>	6/0r, 09:30; (captive OH) KY
tinkling ground cricket	<i>Allonemobius tinnulus</i>	4/0r, 06:32; (captive OH) OH
ground cricket - unknown Allonemobius sp.	<i>Allonemobius sp.</i>	7/0r, 08:19; (captive OH) FL, NH
Carolina ground cricket	<i>Eunemobius carolinus</i>	39/0r, 37:55; (captive OH) FL, IL, ME, NC, OH, VA
confused ground cricket	<i>Eunemobius confusus</i>	8/0r, 09:36; IL, IN, OH
melodius ground cricket	<i>Eunemobius melodius</i>	7/0r, 23:26; (captive OH) OH
ambitious ground cricket	<i>Pictonemobius ambitiosus</i>	5/0r, 07:28; FL
ground cricket [truncatus]	<i>Pteronemobius truncatus</i>	0/1r, 00:10; Australia
<b>Gryllidae Phalangopsinae</b>		
cricket [major]	<i>Endacusta major</i>	0/1r, 00:16; Australia
<b>Gryllidae Eneopterinae</b>		
bush cricket [marginipennis]	<i>Eurepa marginipennis</i>	0/1r, 00:29; Australia
bush cricket - unknown Eurepa sp.	<i>Eurepa sp.</i>	0/2r, 00:35; Australia
bush cricket [meda]	<i>Eurepella media</i>	0/2r, 00:43; Australia
jumping bush cricket	<i>Orocharis saltator</i>	9/0r, 07:39; (captive NC,OH) OH, TN, VA
bush cricket - unknown Orocharis sp	<i>Orocharis sp.</i>	3/0r, 03:40; (captive NC) FL
bush cricket [affinis]	<i>Madasumma affinis</i>	0/3r, 00:33; Australia
bush cricket [kanina]	<i>Madasumma kanina</i>	0/1r, 00:46; Australia
bush cricket [muttaburra]	<i>Myara muttaburra</i>	0/1r, 00:13; Australia
bush cricket [unicolor]	<i>Myara unicolor</i>	0/2r, 00:31; Australia
bush cricket [terba]	<i>Salmanites terba</i>	0/1r, 00:20; Australia
bush cricket - unknown Salmanites sp.	<i>Salmanites sp.</i>	0/3r, 00:39; Australia
<b>Gryllidae Oecanthinae</b>		
two-spotted tree cricket	<i>Neoxabea bipunctata</i>	7/0r, 06:21; OH
tree cricket [angustus]	<i>Oecanthus angustus</i>	0/5r, 01:26; Australia
prairie tree cricket	<i>Oecanthus argentinus</i>	223/0r, 2:26:05; (captive IN,OH,TN) AR, IL, IN, KY, LA, MO, OH, TN
fast-calling tree cricket	<i>Oecanthus celerinictus</i>	32/0r, 11:27; (captive TN,VA) AR, KY, MD, TN, VA
Davis's tree cricket	<i>Oecanthus exclamationis</i>	25/0r, 27:28; (captive OH) NC, OH, VA
snowy tree cricket	<i>Oecanthus fultoni</i>	81/0r, 56:53; (captive OH) IN, NC, NH, OH, VA
broad-winged tree cricket	<i>Oecanthus latipennis</i>	108/0r, 47:59; (captive OH) IL, KY, OH, TN, VA
black-horned tree cricket	<i>Oecanthus nigricornis</i>	257/0r, 1:49:31; (captive OH) IL, KY, OH
narrow-winged tree cricket	<i>Oecanthus niveus</i>	48/0r, 46:12; (captive OH) AR, FL, GA, IL, IN, LA, MS, OH, SC, TN
pine tree cricket	<i>Oecanthus pini</i>	41/0r, 19:59; (captive NC,OH) NC, OH, VA

four-spotted tree cricket	<i>Oecanthus quadripunctatus</i>	218/0r, 1:26:17; (captive IN,OH) FL, GA, IL, IN, KY, LA, MS, OH, SC, VA
tree cricket [rufescens]	<i>Oecanthus rufescens</i>	0/1r, 00:07; Australia
tree cricket - unknown <i>Oecanthus</i> sp.	<i>Oecanthus</i> sp.	20/0r, 06:10; KY
<b>Gryllidae Trigonidiinae</b>		
chirping trig	<i>Anaxipha delicatula</i>	2/0r, 02:09; FL, MD
Say's trig	<i>Anaxipha exigua</i>	5/0r, 07:14; (captive OH) IL, OH
imitator trig	<i>Anaxipha imitator</i>	3/0r, 03:51; FL
trig - unknown <i>Anaxipha</i> sp.	<i>Anaxipha</i> sp.	8/0r, 08:28; FL, NC, OH, VA
Columbian trig	<i>Cyrtoxpha columbiana</i>	4/0r, 04:40; (captive NC) KY, NC
Gundlach's bush cricket	<i>Cyrtoxpha gundlachi</i>	4/0r, 02:55; FL
handsome trig	<i>Phyllopalpus pulchellus</i>	2/0r, 02:45; OH
cricket - Hapithus	<i>Hapithus</i> sp.	1/0r, 03:10; FL
<b>Gryllidae Mogoplistinae</b>		
two-toothed scaly cricket	<i>Cycloptilum bidens</i>	4/0r, 08:04; (captive NC) FL, NC
<b>Gryllidae Gryllotalpinae</b>		
mole cricket [coarctata]	<i>Gryllotalpa coarctata</i>	0/2r, 00:24; Australia
mole cricket - unknown <i>Gryllotalpa</i> sp.	<i>Gryllotalpa</i> sp.	2/1r, 03:19; Australia, FL
northern mole cricket	<i>Neocurtilla hexadactyla</i>	3/0r, 05:29; LA, OH
mole cricket - unknown <i>Scapteriscus</i> sp.	<i>Scapteriscus</i> sp.	5/0r, 03:45; FL, GA
<b>Gryllidae Unknown</b>		
cricket - unknown sp.	<i>Unknown Gryllidae</i> sp.	1/13r, 07:24; Australia, NE

**Dictyoptera**

<b>Blattellidae Blattellinae</b>		
roach [hopses]	<i>Symptloce hopses</i>	1/0r, 01:38; (captive OH)
<b>Blaberidae Panchlorinae</b>		
roach - unknown <i>Panchlora</i> sp.	<i>Panchlora</i> sp.	1/0r, 00:09; (captive OH)
<b>Blaberidae Oxyhaloinae</b>		
hissing cockroach	<i>Gromphodorina portentosa</i>	1/0r, 01:23; (captive OH)

**Isoptera**

<b>Termitidae</b>		
termite - unknown sp.	<i>Unknown Termitidae</i> sp.	0/1r, 00:48; Australia

**Homoptera**

<b>Cercopidae Aphrophorinae</b>		
spittle bug [quadrangularis]	<i>Lepyronia quadrangularis</i>	2/0r, 02:12; (captive OH) Unknown
<b>Cicadidae Tibiceninae</b>		
cicada [apache]	<i>Diceroprocta apache</i>	1/0r, 01:19; (captive AZ)
Germar's cicada	<i>Tibicen auletes</i>	3/0r, 05:48; NC, OH
dog-day cicada	<i>Tibicen canicularis</i>	4/1r, 06:38; IL, OH, ON, VA
cicada [chiricahua]	<i>Tibicen chiricahua</i>	1/0r, 03:01; AZ
swamp ground cicada	<i>Tibicen chloromera</i>	11/0r, 20:56; (captive OH) AR, OH
cicada [latifasciata]	<i>Tibicen latifasciata</i>	2/0r, 08:04; NC
Linne's cicada	<i>Tibicen linnei</i>	3/0r, 02:43; OH
lyric cicada	<i>Tibicen lyricen</i>	2/0r, 04:01; OH, VA
cicada [marginalia]	<i>Tibicen marginalia</i>	4/0r, 08:07; IL, KY, OH
pruinose cicada	<i>Tibicen pruinosa</i>	5/0r, 15:14; IL, OH

cicada [resonans]	<i>Tibicen resonans</i>	3/0r, 06:22; FL, NC
Robinson's cicada	<i>Tibicen robinsoniana</i>	2/0r, 01:59; KY, OH
cicada [similaris]	<i>Tibicen similaris</i>	1/0r, 00:23; NC
cicada [virescens]	<i>Tibicen virescens</i>	1/0r, 05:31; NC
cicada - unknown <i>Tibicen</i> sp.	<i>Tibicen</i> sp.	3/0r, 09:39; (captive OH) CO, OH
Cicadidae Cicadinae		
cicada [hieroglyphica]	<i>Neocicada hieroglyphica</i>	17/0r, 24:04; FL, LA, MO, MS, NC, VA
Cicadidae Tibicininae		
cicada - unknown <i>Okanagana</i> sp.	<i>Okanagana</i> sp.	6/0r, 04:31; (captive OR) AZ, TN
smaller 17-year cicada	<i>Magiccicada cassinii</i>	8/0r, 06:44; IL
larger 17-year cicada	<i>Magiccicada septendecim</i>	5/0r, 06:52; (captive OH) IL, OH
periodical cicada - mixed species	<i>Magiccicada mixed species</i>	9/0r, 18:34; OH
Cicadidae Unknown		
cicada - unknown sp.	<i>Unknown Cicadidae</i> sp.	5/1r, 19:25; (captive OH) Australia, Costa Rica, LA, NM, TX

## Coleoptera

Cicindelidae Cicindelinae		
six-spotted tiger beetle	<i>Cicindela sexguttata</i>	1/0r, 01:03; (captive OH)
Carabidae Omophroninae		
round sand beetle - unknown sp.	<i>Omophron</i> sp.	1/0r, 00:39; (captive ME)
Carabidae Carabinae		
ground beetle [fasciatus]	<i>Panageus fasciatus</i>	1/0r, 00:20; (captive OH)
Passalidae Passalinae		
horned passalus (pegbug)	<i>Odonotaenius disjunctus</i>	5/0r, 08:38; (captive OH)
Scarabaeidae Scarabaeinae		
dung beetle [histeroides]	<i>Ateuchus histeroides</i>	1/0r, 01:28; (captive OH)
Scarabaeidae Aphodiinae		
lesser dung beetle [fossor]	<i>Aphodius fossor</i>	1/0r, 00:55; (captive OH)
Scarabaeidae Troginae		
skin beetle [capillaris]	<i>Trox capillaris</i>	1/0r, 01:20; (captive OH)
skin beetle [unistriatus]	<i>Trox unistriatus</i>	3/0r, 06:34; (captive OH)
skin beetle [variolatus]	<i>Trox variolatus</i>	4/0r, 07:28; (captive OH)
Scarabaeidae Geotrupinae		
dung beetle [blackburnii]	<i>Geotrupes blackburnii</i>	2/0r, 01:20; (captive OH) OH
dung beetle [semiopacius]	<i>Geotrupes semiopacius</i>	2/0r, 10:25; (captive OH)
dung beetle [splendidus]	<i>Geotrupes splendidus</i>	1/0r, 00:45; (captive OH)
Scarabaedae Ceratocanthinae		
scarab [aohodioides]	<i>Cloeotus aphodioides</i>	2/0r, 02:43; (captive OH)
scarab [tullus]	<i>Corpus tullius</i>	1/0r, 03:58; (captive OH)
Scarabaeidae Melolonthinae		
ten-lined June beetle	<i>Polyphylla decemlineata</i>	2/0r, 03:14; (captive OR)
Elateridae Melanotinae		
click beetle - unknown <i>Melanotus</i> sp.	<i>Melanotus</i> sp.	1/0r, 00:55; (captive OH)
Cleridae Clerinae		
checkered beetle	<i>Cymatodera oblita</i>	1/0r, 00:25; (captive AZ)

Tenebrionidae Tenebrioninae darkling beetle [minimus]	<i>Opatrinus minimus</i>	1/0r, 01:07; (captive OH)
Cerambycidae Prioninae California prionus	<i>Prionus californicus</i>	3/0r, 03:40; (captive OR)
Cerambycidae Cerambycinae four-marked ash borer	<i>Eburia quadrigeminata</i>	1/0r, 02:50; (captive OH)
long-horned beetle [validum]	<i>Eustromula validum</i>	1/0r, 00:30; (captive AZ)
locust borer	<i>Megacyllene robiniae</i>	2/0r, 03:49; (captive OH)
banded alder borer	<i>Rosalia funebris</i>	1/0r, 01:44; (captive OR)
long-horned beetle [bimaculatus]	<i>Tylonotus bimaculatus</i>	1/0r, 01:46; (captive OH)
Cerambycidae Lamiinae sawyer beetle [notatus]	<i>Monochamus notatus</i>	2/0r, 04:21; (captive ME)
sawyer beetle [scutellatus]	<i>Monochamus scutellatus</i>	1/0r, 00:59; (captive ME)
Oregon fir sawyer beetle	<i>Monochamus scutellatus oregonensis</i>	1/0r, 00:42; (captive OR)
long-horned beetle [concolor]	<i>Saperda concolor</i>	1/0r, 01:15; (captive OH)
red milkweed beetle	<i>Tetraopes tetraphthalmus</i>	2/0r, 18:50; (captive OH)
Cerambycidae Unknown long-horned beetle - unknown sp.	<i>Unknown Cerambycidae sp.</i>	1/0r, 01:13; (captive OH)
Chrysomelidae Criocerinae cereal leaf beetle	<i>Oulema melanopus</i>	1/0r, 00:26; (captive OH)
Chrysomelidae Galerucinae spotted cucumber beetle	<i>Diabrotica undecimpunctata</i>	1/0r, 01:40; (captive OH)
Curculionidae Pissodinae white pine weevil	<i>Pissodes strobi</i>	1/0r, 01:07; (captive OH)
Curculionidae Cryptorhynchinae snout beetle [aratus]	<i>Conotrachelus aratus</i>	1/0r, 00:16; (captive OH)
snout beetle [carnifer]	<i>Conotrachelus carnifer</i>	1/0r, 02:00; (captive OH)
snout beetle [naso]	<i>Conotrachelus naso</i>	3/0r, 04:25; (captive OH)
plum curculio (snout beetle)	<i>Conotrachelus nenuphar</i>	4/0r, 05:45; (captive OH) OH
snout beetle [posticus]	<i>Conotrachelus posticus</i>	2/0r, 03:35; (captive OH)
snout beetle - unknown sp.	<i>Conotrachelus sp.</i>	12/0r, 05:52; (captive Honduras,Mexico,OH)
Curculionidae Ceutorhynchinae cabbage curculio	<i>Ceutorhynchus rapae</i>	1/0r, 01:30; (captive OH)
Unknown Coleoptera unknown Coleoptera	<i>Unknown Coleoptera sp.</i>	6/0r, 07:38; (captive OH,Panama) ME
<b>Hymenoptera</b>		
Cimbicidae Cimbicinae elm sawfly	<i>Cimbex americana</i>	1/0r, 00:39; (captive ME)
Siricidae horntail wasp - unknown sp.	<i>Unknown Siricidae sp.</i>	1/0r, 00:56; (captive ME)
Mutillidae Sphaerophthalminae velvet ant [lepeletierii]	<i>Dasymutilla lepeletierii</i>	3/0r, 04:10; (captive OH)
Mutillidae Unknown velvet ant - unknown sp.	<i>Unknown Mutillidae sp.</i>	1/0r, 01:00; (captive IL)



Formicidae Myrmicinae

Texas leaf cutting ant *Atta texana* 1/0r, 01:13; (captive OH)

Apidae Bombinae

bumble bee [auricomus] *Bombus auricomus* 1/0r, 01:10; (captive OH)  
 bumble bee [bimaculatus] *Bombus bimaculatus* 3/0r, 02:42; (captive OH)  
 bumble bee [fervidus] *Bombus fervidus* 3/0r, 02:51; (captive OH)  
 bumble bee [frigidus] *Bombus frigidus* 1/0r, 00:17; (captive OH)  
 bumble bee [impatiens] *Bombus impatiens* 2/0r, 00:39; (captive OH)  
 bumble bee [pennsylvanicus] *Bombus pennsylvanicus* 2/0r, 00:18; (captive OH)  
 bumble bee [rufocinctus] *Bombus rufocinctus* 1/0r, 00:42; (captive OH)  
 bumble bee [terricola] *Bombus terricola* 1/0r, 00:21; (captive OH)  
 bumble bee - unknown *Bombus* sp. *Bombus* sp. 4/0r, 03:36; OH

Apidae Apinae

honey bee *Apis mellifera* 99/0r, 1:18:10; (captive OH) OH

**Diptera**

Culicidae Culicinae

yellowfever mosquito *Aedes aegypti* 1/0r, 02:18; (captive OH)  
 vexans mosquito *Aedes vexans* 1/0r, 00:40; OH  
 mosquito [inornata] *Culisetia inornata* 2/0r, 02:55; (captive OH)  
 gallinipper *Psorophora ciliata* 2/0r, 02:21; (captive OH)

Tabanidae Pangoniinae

horse fly [tranquilla] *Stonemyia tranquilla* 3/0r, 03:13; (captive WV)

Tabanidae Chrysopinae

horse fly [bicolor] *Atylotus bicolor* 6/0r, 06:53; (captive OH)  
 horse fly [ohioensis] *Atylotus ohioensis* 8/0r, 04:47; (captive OH)  
 deer fly [beameri] *Chrysops beameri* 21/0r, 07:21; (captive OH)  
 deer fly [brunneus] *Chrysops brunneus* 3/0r, 01:22; (captive OH)  
 deer fly [callidus] *Chrysops callidus* 20/0r, 10:49; (captive OH)  
 deer fly [cincticornis] *Chrysops cincticornis* 13/0r, 14:01; (captive OH)  
 deer fly [cuclux] *Chrysops cuclux* 2/0r, 01:22; (captive OH)  
 deer fly [flavidus] *Chrysops flavidus* 2/0r, 01:43; (captive OH)  
 deer fly [geminatus] *Chrysops geminatus* 21/0r, 07:56; (captive OH)  
 deer fly [impunctus] *Chrysops impunctus* 5/0r, 01:36; (captive OH)  
 deer fly [indus] *Chrysops indus* 3/0r, 01:46; (captive OH)  
 deer fly [macquarti] *Chrysops macquarti* 19/0r, 07:17; (captive OH)  
 deer fly [moechus] *Chrysops moechus* 1/0r, 00:20; (captive OH)  
 black deer fly *Chrysops niger* 4/0r, 03:03; (captive OH)  
 deer fly [pikei] *Chrysops pikei* 10/0r, 04:17; (captive OH)  
 deer fly [shermani] *Chrysops shermani* 1/0r, 00:41; (captive WV)  
 deer fly [univittatus] *Chrysops univittatus* 19/0r, 07:16; (captive OH)  
 deer fly [vittatus] *Chrysops vittatus* 33/0r, 13:11; (captive OH)  
 deer fly [rara] *Haematopota rara* 6/0r, 04:03; (captive OH,WV)  
 greenheaded horse fly [difficilis] *Hybomitra difficilis* 4/0r, 01:20; (captive OH)  
 greenheaded horse fly [lasiophthalma] *Hybomitra lasiophthalma* 17/0r, 08:04; (captive OH)  
 greenheaded horse fly [microcephala] *Hybomitra microcephala* 3/0r, 01:44; (captive WV)  
 greenheaded horse fly [miniscula] *Hybomitra miniscula* 27/0r, 13:02; (captive WV)  
 greenheaded horse fly [pechumani] *Hybomitra pechumani* 1/0r, 00:22; (captive WV)  
 greenheaded horse fly [sodalis] *Hybomitra sodalis* 5/0r, 02:30; (captive OH,WV)  
 black horse fly *Tabanus atratus* 1/0r, 00:32; (captive OH)  
 horse fly [calens] *Tabanus calens* 2/0r, 01:08; (captive OH)

horse fly [nigrescens]	<i>Tabanus nigrescens</i>	3/0r, 04:33; (captive OH)
horse fly [nigripes]	<i>Tabanus nigripes</i>	30/0r, 12:10; (captive OH)
horse fly [pumilis]	<i>Tabanus pumilis</i>	15/0r, 04:37; (captive OH)
horse fly [quinquevittatus]	<i>Tabanus quinquevittatus</i>	23/0r, 11:14; (captive OH)
horse fly [reinwardtii]	<i>Tabanus reinwardtii</i>	3/0r, 02:29; (captive OH)
horse fly [sackeni]	<i>Tabanus sackeni</i>	6/0r, 02:38; (captive OH)
horse fly [similis]	<i>Tabanus similis</i>	8/0r, 02:59; (captive OH)
horse fly [sparus]	<i>Tabanus sparus milleri</i>	19/0r, 08:06; (captive OH)
horse fly [sulcifrons]	<i>Tabanus sulcifrons</i>	14/0r, 07:42; (captive OH)
horse fly [superjumentarius]	<i>Tabanus superjumentarius</i>	17/0r, 10:06; (captive OH)
horse fly [trimaculata]	<i>Tabanus trimaculata</i>	17/0r, 08:26; (captive OH)
horse fly [vivax]	<i>Tabanus vivax</i>	1/0r, 00:20; (captive WV)
<b>Syrphidae Eristalinae</b>		
flower fly - unknown Temnostoma sp.	<i>Temnostoma sp.</i>	1/0r, 00:49; (captive ME)
flower fly - unknown sp.	<i>Unknown Syrphidae sp.</i>	2/0r, 01:32; (captive OR) OH
<b>Muscidae Muscinae</b>		
house fly	<i>Musca domestica</i>	1/0r, 03:30; (captive OH)
<b>Oestridae Gastrophilinae</b>		
horse bot fly	<i>Gasterophilus intestinalis</i>	2/0r, 01:16; (captive FL) FL
<b>Sarcophagidae Sarcophaginae</b>		
flesh fly	<i>Sarcophaga bullata</i>	1/0r, 00:45; (captive OH)
<b>Miscellaneous Arthropoda</b>		
Medley of Arthropoda		
medley of insects	<i>Medley insect</i>	16/0r, 10:23; FL, OH

## Environmental

### Environmental

Environmental

environmental sounds

*Environmental environmental*

67/0r, 5:36:42; AK, AZ, China, Costa Rica, FL, IA, ME, MO, OH,  
Trinidad, UT, WA

