

BIRDS OF COLOMBIA - MP3 sound collection

List of recordings

0003 1	Tawny-breasted Tinamou 1 Song	0:07	<i>Nothocercus julius</i> (26/12/1993 , Podocarpus Cajanuma, Loja, Ecuador, 04.20S,79.10W) © Peter Boesman
0003 2	Tawny-breasted Tinamou 2 Song	0:23	<i>Nothocercus julius</i> (26/5/1996 06:30h, Páramo El Angel (Pacific slope), Carchi, Ecuador, 00.45N,78.03W) © Niels Krabbe
0003 3	Tawny-breasted Tinamou 3 Song ()	0:30	<i>Nothocercus julius</i> (12/8/2006 14:45h, Betania area, Tachira, Venezuela, 07.29N,72.24W) © Nick Athanas.
0004 1	Highland Tinamou 1 Song	0:28	<i>Nothocercus bonapartei</i> (26/3/1995 07:15h, Rancho Grande area, Aragua, Venezuela, 10.21N,67.42W) © Peter Boesman
0004 2	Highland Tinamou 2 Song	0:23	<i>Nothocercus bonapartei</i> (10/3/2006 , Choroni road, Aragua, Venezuela, 10.22N,67.35W) © David Van den Schoor
0004 3	Highland Tinamou 3 Song	0:45	<i>Nothocercus bonapartei</i> (March 2009, Rancho Grande area, Aragua, Venezuela, 10.21N,67.42W) © Hans Matheve.
0004 4	Highland Tinamou 4 Song	0:40	<i>Nothocercus bonapartei</i> bonapartei. RNA Reinita Cielo Azul, San Vicente de Chucurí, Santander, Colombia, 1700m, 06:07h, 02-12-2007, N6.50'47" W73.22'30", song. also: Spotted Barbtail, Andean Emerald, Green Violetear © Nick Athanas.
0006 1	Gray Tinamou 1 Song	0:43	<i>Tinamus tao</i> (15/8/2007 18:30h, Nirgua area, San Felipe, Venezuela, 10.15N,68.30W) © Peter Boesman
0006 2	Gray Tinamou 2 Song	0:32	<i>Tinamus tao</i> (4/6/1995 06:15h, Palmichal area, Carabobo, Venezuela, 10.21N,68.12W) (background: Rufous-and-white Wren) . © Peter Boesman
0006 3	Gray Tinamou 3 Song	0:04	<i>Tinamus tao</i> (1/2/2006 , Cerro Humo, Sucre, Venezuela, 10.41N,62.37W) © Mark Van Beirs.
0006 4	Gray Tinamou 4 Whistle	0:09	<i>Tinamus tao</i> (15/8/2007 18:30h, Nirgua area, San Felipe, Venezuela, 10.15N,68.30W) © Peter Boesman
0009 1	Great Tinamou 1 Song	1:31	<i>Tinamus major</i> (3/1/2008 18:45h, Morro de Calzada, San Martín, Peru, 06.00S,77.05W) © Peter Boesman
0009 2	Great Tinamou 2 Song	0:31	<i>Tinamus major</i> (28/7/2009 18:00h, Pantiacolla Lodge, Madre de Dios, Peru, 12.39S,71.14W) © Peter Boesman
0009 3	Great Tinamou 3 Song	0:27	<i>Tinamus major</i> (26/7/2009 17:00h, Pantiacolla Lodge, Madre de Dios, Peru, 12.39S,71.14W) © Peter Boesman
0009 4	Great Tinamou 4 Song	0:46	<i>Tinamus major</i> (22nd July 2010 17h00, ACTS Explornapo, Loreto, Peru, 120 m. 3°10' S, 72°55' W), (Background: Thrush-like Antpitta, Elegant Woodcreeper) . © Peter Boesman.
0009 5	Great Tinamou 5 Call	0:11	<i>Tinamus major</i> (17/7/2006 17:30h, Iracema falls, Presidente Figueiredo, Amazonas, Brazil, 02.00S,60.00W) © Peter Boesman.
0010 1	White-throated Tinamou 1 Song	0:43	<i>Tinamus guttatus</i> © Paul Schwartz
0010 2	White-throated Tinamou 2 Song	0:15	<i>Tinamus guttatus</i> (Cuyabeno Reserve, Napo, Ecuador, 00.05S,76.00W) © John Moore
0010 3	White-throated Tinamou 3 Song	0:07	<i>Tinamus guttatus</i> (28/7/2009 11:00h, Pantiacolla Lodge, Madre de Dios, Peru, 12.39S,71.14W) © Peter Boesman
0010 4	White-throated Tinamou 4 Song	0:08	<i>Tinamus guttatus</i> (11th August 2010 7h00, Rio Javari, Reserva Natural Palmari, Amazonas, Brazil, 50m, 4°17'20" S, 70°17'41" W) . © Peter Boesman.
0011 1	Berlepsch's Tinamou 1 Song	1:07	<i>Crypturellus berlepschi</i> . Playa de Oro, Esmeraldas, Ecuador, 250m, 17:30h, 06-11-2010, N0.51'0" W78.46'0", song © Andrew Spencer.
0011 2	Berlepsch's Tinamou 2 Song	0:29	<i>Crypturellus berlepschi</i> . Reserva Ecologica Cotacachi-Cayapas, Esmeraldas, Ecuador, 60m, 08:58h, 01-04-2007, N0.41'32" W78.54'34", In primary lowland rainforest, near a stream.. also: Lemon-spectacled Tanager, Chestnut-backed Antbird, © Nick Athanas.
0012 1	Cinereous Tinamou 1 Song	0:26	<i>Crypturellus cinereus</i> (21/7/2009 06:30h, Manu Amazonia Lodge, Cuzco, Peru, 12.50S,71.15W) © Peter Boesman
0012 2	Cinereous Tinamou 2 Song	0:45	<i>Crypturellus cinereus</i> (1/11/2001 , Rio Cristalino Jungle Lodge, Mato Grosso, Brazil, 09.27S,55.54W) © Mark Van Beirs.
0012 3	Cinereous Tinamou 3 Song	0:38	<i>Crypturellus cinereus</i> (21/7/2009 16:30h, Manu Amazonia Lodge, Cuzco, Peru, 12.50S,71.15W) © Peter Boesman
0012 4	Cinereous Tinamou 4 Song	1:03	<i>Crypturellus cinereus</i> (14/1/2005, Carajás, Salobo area, Pará, Brazil, 05.55S,50.30W) © Peter Boesman
0012 5	Cinereous Tinamou 5 Song	0:52	<i>Crypturellus cinereus</i> (3/1/2008 18:45h, Morro de Calzada, San Martín, Peru, 06.00S,77.05W) © Peter Boesman
0012 6	Cinereous Tinamou 6 Song	0:36	<i>Crypturellus cinereus</i> (1/7/1995 06:15h, Manu Amazonia Lodge, Cuzco, Peru, 12.00S,71.00W) © Peter Boesman
0012 7	Cinereous Tinamou 7 Song	1:06	<i>Crypturellus cinereus</i> (19/1/2005 10:00h, Carajás, Salobo area, Pará, Brazil, 05.55S,50.30W) Two birds. © Peter Boesman.
0012 8	Cinereous Tinamou 8 Song	0:21	<i>Crypturellus cinereus</i> (1/11/1993 , Junglaven area, Amazonas, Venezuela, 05.00N,66.23W) © Peter Boesman
0012 9	Cinereous Tinamou 9 Song	2:44	<i>Crypturellus cinereus</i> . Finca La Pradera, Parroquia Remolinos, Municipio Puerto Lopez, Meta, Colombia, 400m, 21-04-2000, Song, One recording: cut 2 from the previous cut. also: Black-throated Antbird © Bernabe Lopez-Lanus.
0013 1	Little Tinamou 1 Song	0:15	<i>Crypturellus soui</i> (3/1/2008 18:45h, Morro de Calzada, San Martín, Peru, 06.00S,77.05W) © Peter Boesman
0013 2	Little Tinamou 2 Song ()	0:09	<i>Crypturellus soui</i> (1/8/2003 07:30h, Sabana de Piedra - Santa Maria road, Monagas, Venezuela, 10.15N,63.35W) © Peter Boesman.
0013 3	Little Tinamou 3 Song	1:29	<i>Crypturellus soui</i> (15/8/2007 18:30h, Nirgua area, San Felipe, Venezuela, 10.15N,68.30W) © Peter Boesman.
0013 4	Little Tinamou 4 Call	0:16	<i>Crypturellus soui</i> (1/2/1997 09:00h, La Mision Limestone hills, Falcon, Venezuela, 10.51N,68.33W) © Peter Boesman.
0013 5	Little Tinamou 5 Call	0:40	<i>Crypturellus soui</i> (26/3/1997 06:15h, Lower Rio Caura area, Bolivar, Venezuela, 07.15N,65.00W) © Peter Boesman.
0013 6	Little Tinamou 6 Call	0:50	<i>Crypturellus soui</i> (31/7/2002 06:00h, El Paujil road, Bolivar, Venezuela, 04.36N,61.30W) © Peter Boesman.
0013 7	Little Tinamou 7 Call	0:43	<i>Crypturellus soui</i> (2nd February 2011 15h30. RNA El Paujil, Santander, Colombia, 310m, 6.2'59" N, 74.15'41" W). © Peter Boesman.
0013 8	Little Tinamou 8 Call	0:19	<i>Crypturellus soui</i> cauceae. RNA El Paujil, Santander , Colombia, 280m, 10:28h, 29-11-2007, N6.2'59" W74.15'41", song © Nick Athanas.
0015 1	Brown Tinamou 1 Song	0:21	<i>Crypturellus obsoletus</i> (4/8/2008 09:30h, Pozuzo area, Pasco, Peru, 10.10S,75.30W) © Peter Boesman
0015 2	Brown Tinamou 2 Song	0:25	<i>Crypturellus obsoletus</i> (9/8/2004 18:00h, Itapoá - Volta Velha, Santa Catarina, Brazil, 26.07S,48.35W) © Peter Boesman.
0015 3	Brown Tinamou 3 Song	0:19	<i>Crypturellus obsoletus</i> (26/7/2000 06:00h, Finca Monteverde at Olinda II, Merida, Venezuela, 08.45N,71.28W) © Peter Boesman
0015 4	Brown Tinamou 4 Song	0:27	<i>Crypturellus obsoletus</i> (30/4/1995 07:00h, Serrania de San Luis, Falcon, Venezuela, 11.12N,69.42W) © Peter Boesman.
0015 5	Brown Tinamou 5 Call	1:42	<i>Crypturellus obsoletus</i> (4/8/2008 09:30h, Pozuzo area, Pasco, Peru, 10.10S,75.30W) © Peter Boesman
0016 1	Undulated Tinamou 1 Song	0:36	<i>Crypturellus undulatus</i> (29/7/2005 06:30h, Pantanal, Porto Jofre area, Mato Grosso, Brazil, 17.25S,56.45W) © Peter Boesman
0016 2	Undulated Tinamou 2 Song	1:12	<i>Crypturellus undulatus</i> (10/7/2003 , Pantanal, Mato Grosso del Sul, Brazil, 16.30S,56.40W) © Mark Van Beirs
0016 3	Undulated Tinamou 3 Song	0:05	<i>Crypturellus undulatus</i> (27/7/2009 08:30h, Pantiacolla Lodge, Madre de Dios, Peru, 12.39S,71.14W) © Peter Boesman
0016 4	Undulated Tinamou 4 Song	0:13	<i>Crypturellus undulatus</i> (3rd August 2010 6h30, Muyuna lodge, Loreto, Peru, 4°18' S, 73°17' W) . © Peter Boesman.
0019 1	Gray-legged Tinamou 1 Song	1:55	<i>Crypturellus duidae</i> (7/4/1985 , San Carlos de Rio Negro, Amazonas, Venezuela, 01.55N,67.02W) © Chris Parrish
0020 1	Red-legged Tinamou 1 Song	0:50	<i>Crypturellus erythropus</i> (5/8/2003, Dry forest W of El Palmar, Bolivar, Venezuela, 07.58N,62.13W) © Peter Boesman
0020 2	Red-legged Tinamou 2 Song	0:33	<i>Crypturellus erythropus</i> (2/2/1997 06:00h, Morrocoy NP, Falcon, Venezuela, 10.51N,68.18W) © Peter Boesman.
0020 3	Red-legged Tinamou 3 Song	0:32	<i>Crypturellus erythropus</i> (25/3/1997 16:00h, Lower Rio Caura area, Bolivar, Venezuela, 07.15N,65.00W). Presumably this species. © Peter Boesman.
0020 4	Red-legged Tinamou 4 Song	0:22	<i>Crypturellus erythropus idoneus</i> . Reserva Los Besotes_ Vereda Los Besotes (Cerro Los Besotes), municipio Valledupar, Cesar, Colombia, 300m, pmh, 26-05-2001, N0.0'36" E0.0'36", Three-syllabic song. © Bernabe Lopez-Lanus.
0023 1	Choco Tinamou 1 Song	0:24	<i>Crypturellus kerriae</i> (15/4/1995 18:00h, Darien Cana , Panama, 07.50N,77.40W) © Peter Boesman.
0023 2	Choco Tinamou 2 Song	0:09	<i>Crypturellus kerriae</i> . Departamento de Choco; Parque Nacional Natural Ensenada de Utria, Colombia, 100m, 08:00h, 31-10-2009, N5.58'48" W77.20'59", song, © Oswaldo Cortes.
0024 1	Variegated Tinamou 1 Song	0:11	<i>Crypturellus variegatus</i> (24/7/2005 17:45h, Rio Cristalino Jungle Lodge, Mato Grosso, Brazil, 09.27S,55.54W) © Peter Boesman
0024 2	Variegated Tinamou 2 Song	0:06	<i>Crypturellus variegatus</i> (22/10/1994 , Km 85 area, Bolivar, Venezuela, 06.12N,61.23W) © Peter Boesman
0024 3	Variegated Tinamou 3 Song	0:08	<i>Crypturellus variegatus</i> (22/10/1994, Km 85 area, Bolivar, Venezuela, 06.12N,61.23W) © Peter Boesman
0025 1	Rusty Tinamou 1 Song	0:30	<i>Crypturellus brevirostris</i> . (Régina, Inselberg Virginie, French Guiana, 100m, 29-05-2011). This is the first recording for this country. (Background: Thrush-like Antpitta). © Alexandre Renaudier.
0028 1	Barred Tinamou 1 Song	0:38	<i>Crypturellus casiquiare</i> © Paul Schwartz

0048 1 Horned Screamer 1 Song 0:48 Anhima cornuta (25/7/2009 10:00h, Cocha Camungo, Madre de Dios, Peru, 12.25S,70.40W) © Peter Boesman

0048 2 Horned Screamer 2 Song 0:32 Anhima cornuta (10/11/1996 07:00h, San Pablo marsh, Carabobo, Venezuela, 10.31N,68.22W) © Peter Boesman

0048 3 Horned Screamer 3 Song 0:44 Anhima cornuta (2nd August 2010 7h30, Rio Yanayacu area near Muyuna lodge, Loreto, Peru, 4°18' S, 73°17' W). (Background: White-bellied Parrot). © Peter Boesman.

0048 4 Horned Screamer 4 Song 0:45 Anhima cornuta (March 2009, Rio Grande, Bolivar, Venezuela) © Hans Matheve.

0050 1 Northern Screamer 1 Call 0:30 Chauna chavaria (10/8/2006 17:00h, Parque Nacional Ciénagas de Juan Manuel, Zulia, Venezuela, 09.11N,71.45W) © Nick Athanas.

0050 2 Northern Screamer 2 Call 0:46 Chauna chavaria (February 2009, Puerto Concha, Zulia, Venezuela) © Hans Matheve.

0050 3 Northern Screamer 3 Call 0:12 Chauna chavaria (1st February 2011 17h00. Close to RNA El Paujil, Santander, Colombia, 310m, 6.2°59' N, 74.15°41' W), © Peter Boesman.

0051 1 Fulvous Whistling-Duck 1 Call 0:12 Dendrocygna bicolor © Paul Schwartz

0051 2 Fulvous Whistling-Duck 2 Call 0:15 Dendrocygna bicolor (8/4/1999 07:00h, Anahuac NWR, TX, USA) © Peter Boesman

0051 3 Fulvous Whistling-Duck 3 Call 0:06 Dendrocygna bicolor (7/8/2005 07:15h, Taim area, Rio Grande do Sul, Brazil, 32.20S,52.30W) © Peter Boesman

0052 1 White-faced Whistling-Duck 1 Call 0:17 Dendrocygna viduata © Paul Schwartz

0052 2 White-faced Whistling-Duck 2 Call 0:35 Dendrocygna viduata (8/8/2005 08:00h, Taim area, Rio Grande do Sul, Brazil, 32.20S,52.30W) © Peter Boesman

0052 3 White-faced Whistling-Duck 3 Call 0:34 Dendrocygna viduata (8/8/2005, Taim area, Rio Grande do Sul, Brazil,) © Peter Boesman

0052 4 White-faced Whistling-Duck 4 Call flight 0:07 Dendrocygna viduata (4th January 2010 18h20. Mana Dulce, Tolima, Colombia, 4° 21' 04"N 74° 39' 06"W). © Peter Boesman.

0052 5 White-faced Whistling-Duck 5 Call flight 0:11 Dendrocygna viduata (4th January 2010 18h20. Mana Dulce, Tolima, Colombia, 4° 21' 04"N 74° 39' 06"W). © Peter Boesman.

0053 1 Black-bellied Whistling-Duck 1 Call 0:15 Dendrocygna autumnalis © Paul Schwartz

0053 2 Black-bellied Whistling-Duck 2 Call 0:12 Dendrocygna autumnalis (24/4/1993 , Tacarigua dam, Falcon, Venezuela, 11.00N,68.24W) © Peter Boesman

0053 3 Black-bellied Whistling-Duck 3 Flight call 0:13 Dendrocygna autumnalis (31/3/2002 05:30h, Singayta, San Blas, Nayarit, Mexico, 21.32N,105.10W) © Peter Boesman

0062 1 Orinoco Goose 1 Call 0:19 Neochen jubata (11/1/1996 , Hato El Cedral area, Apure, Venezuela, 07.30N,69.17W) © Gustavo Rodriguez

0062 2 Orinoco Goose 2 Call 0:11 Neochen jubata (11/12/1984 08:30h, Hato El Frio area, Apure, Venezuela, 07.50N,69.00W) © Chris Parrish

0063 1 Muscovy Duck 1 Call 0:14 Cairina moschata. (May 1970. Llanos Venezuela). Calls of a flock. © Paul Schwartz.

0063 2 Muscovy Duck 2 Call 0:23 Cairina moschata. (Cristalino Jungle Lodge, MT, Brazil, 250m, 15:40h, 06-10-2009, S9.35°53' W55.55°55"). Three calls from a Muscovy flushed to a tree, followed by wingbeats as it flushed again at the end of the cut. © Andrew Spencer.

0064 1 Comb Duck 1 Flight calls 0:10 Sarkidiornis melanotos. (March 1999. Lalamor, Loja, Ecuador. 150 m. 4°28' S, 80°24' W). (Background: White-tipped Dove). Female bird. Recording was edited. John V. Moore.

0066 1 Brazilian Teal 1 Call 0:14 Amazonetta brasiliensis (10/8/2004, Fazenda Sao Pedro, Curitiba, Paraná, Brazil, 25.30S,49.05W) © Peter Boesman

0066 2 Brazilian Teal 2 Call 0:06 Amazonetta brasiliensis ipecutiri. (Reserva Ecologica de Guapiassu - RJ, Brazil, 30m, 10:50h, 08-04-2005, S22.246° W42.43°36"). A pair calling in flight. (Background: Southern Lapwing). © Nick Athanas.

0074 1 American Wigeon 1 Call 0:39 Anas americana (18/2/2007 16:20h, Wilcox lake area, AZ, , USA,) © Peter Boesman.

0074 2 American Wigeon 2 Call 0:24 Anas americana (18/2/2007 16:00h, Wilcox lake area, AZ, , USA,) © Peter Boesman.

0076 1 Green-winged Teal 1 calls 0:09 Anas crecca (20/3/1998 07:00h, Sequoyah NWR, OK, USA) (Background: Shoveler). © Peter Boesman

0076 2 Green-winged Teal 2 calls 0:15 Anas crecca (20/2/1998 07:00h, Sequoyah NWR, OK, USA) © Peter Boesman

0077 1 Andean Teal 1 Call female 0:03 Anas andium (20/4/1997 06:30h, Laguna Mucubaj area, Merida, Venezuela, 08.48N,70.49W) © Peter Boesman

0077 2 Andean Teal 2 Call male 0:11 Anas andium (10/8/2007 09:00h, Laguna Mucubaj area, Merida, Venezuela, 08.48N,70.49W) © Peter Boesman.

0079 1 Northern Pintail 1 Call 0:09 Anas acuta. Lauwersmeer, Friesland, Netherlands. 9 February 2008 (11h25). © Peter Boesman.

0079 2 Northern Pintail 2 Call 0:08 Anas acuta. Flauwerse Inlagen, Zeeland, Netherlands. 16 February 2008 (8h40). (Background: Eurasian Wigeon). © Peter Boesman.

0080 1 Yellow-billed Pintail 1 Call male 0:20 Anas georgica (1/8/2008 08:00h, Junin Lake, Junin, Peru, 11.00S,76.05W) © Peter Boesman

0080 2 Yellow-billed Pintail 2 Call female 0:17 Anas georgica (1/8/2008 08:00h, Junin Lake, Junin, Peru, 11.00S,76.05W) © Peter Boesman

0080 3 Yellow-billed Pintail 3 Calls 0:33 Anas georgica (1/8/2008 07:45h, Junin Lake, Junin, Peru, 11.00S,76.05W) © Peter Boesman

0080 4 Yellow-billed Pintail 4 Calls 0:47 Anas georgica (1/8/2008 07:45h, Junin Lake, Junin, Peru, 11.00S,76.05W) © Peter Boesman

0081 1 White-cheeked Pintail 1 Call male 0:20 Anas bahamensis (November 2003. Salinas, Guayas, Ecuador. 10 m. 2°18' S, 80°55' W). Male display calls from ground. Recording was edited. John V. Moore.

0081 2 White-cheeked Pintail 2 Call flight 0:17 Anas bahamensis. (March 2003. Pacoa, Guayas, Ecuador. 5 m. 2°06' S, 80°44' W).

0084 1 Blue-winged Teal 1 Call male 0:14 Anas discors (1/4/1999 07:00h, Sequoyah NWR, OK, USA) © Peter Boesman

0084 2 Blue-winged Teal 2 Call female 0:05 Anas discors (10/4/1998 07:00h, Sequoyah NWR, OK, USA) © Peter Boesman

0084 3 Blue-winged Teal 3 Calls 0:20 Anas discors (1/4/1999 07:00h, Sequoyah NWR, OK, , USA,) © Peter Boesman

0085 1 Cinnamon Teal 1 Call 0:12 Anas cyanoptera. Lago Umayo, Puno, Peru, 3900m, 09:40h, 05-11-2009, Call © Andrew Spencer.

0087 1 Northern Shoveler 1 Call 0:29 Anas clypeata (20/2/1998 07:00h, Sequoyah NWR, OK, Oklahoma, USA,) © Peter Boesman

0088 1 Southern Pochard 1 Call 0:14 Netta erythrophthalma. A party of about ten, when flushed.

0094 1 Masked Duck 1 Display calls 0:21 Nomonyx dominicus. © Bernabe Lopez-Lanus.

0097 1 Sickle-winged Guan 1 Soft calls 0:56 Chamaepetes goudotii (28/12/1994 09:00h, Coroico road, La Paz, Bolivia, 16.12S,67.48W) © Peter Boesman.

0097 2 Sickle-winged Guan 2 Call 0:20 Chamaepetes goudotii goudotii. Hacienda Las Cruces (Area La Ceja), Toche, Municipio Ibague, Tolima, Colombia, 2500m, 09:44h, 16-06-1998, Alarm call © Bernabe Lopez-Lanus.

0098 1 Band-tailed Guan 1 Call and wing-whirring 0:09 Penelope argyrotis (27/2/1995 06:00h, La Azulita road, Merida, Venezuela, 08.40N,71.24W) © Peter Boesman.

0098 2 Band-tailed Guan 2 Call 0:41 Penelope argyrotis (8/3/1997 06:00h, Yacambu NP, Lara, Venezuela, 09.43N,69.35W) © Peter Boesman.

0098 3 Band-tailed Guan 3 Call 0:41 Penelope argyrotis (8/3/1997 06:00h, Yacambu NP, Lara, Venezuela, 09.43N,69.35W) © Peter Boesman.

0098 4 Band-tailed Guan 4 Call 0:43 Penelope argyrotis (26/7/2000 06:00h, Finca Monteverde at Olinda II, Merida, Venezuela, 08.45N,71.28W) © Peter Boesman.

0098 5 Band-tailed Guan 5 Alarm calls 0:37 Penelope argyrotis (24/7/2003 06:00h, Sierra de Aroa, Yaracuy, Venezuela, 10.20N,68.50W) © Peter Boesman

0098 6 Band-tailed Guan 6 Alarm calls 0:37 Penelope argyrotis (24/7/2003 06:00h, Sierra de Aroa, Yaracuy, Venezuela, 10.20N,68.50W) © Peter Boesman.

0098 7 Band-tailed Guan 7 Alarm call 0:03 Penelope argyrotis (26/7/2000 06:00h, Finca Monteverde at Olinda II, Merida, Venezuela, 08.45N,71.28W) © Peter Boesman.

0098 8 Band-tailed Guan 8 Wing whirring 0:35 Penelope argyrotis (3/8/2000 06:00h, Obra la Toma, Tachira, Venezuela, 07.56N,71.43W) © Peter Boesman.

0098 9 Band-tailed Guan 9 Grunts 0:42 Penelope argyrotis (24/7/2003 06:00h, Sierra de Aroa, Yaracuy, Venezuela, 10.20N,68.50W) © Peter Boesman.

0101 1 Andean Guan 1 Calls 0:14 Penelope montagnii (29/12/1997 18:00h, Guaramacal NP, Trujillo, Venezuela, 09.10N,70.11W) © Peter Boesman

0101 2 Andean Guan 2 Calls 0:23 Penelope montagnii (29/12/1997 17:30h, Guaramacal NP, Trujillo, Venezuela, 09.10N,70.11W) © Peter Boesman

0101 3 Andean Guan 3 Call 0:33 Penelope montagnii (29/12/1997 18:00h, Guaramacal NP, Trujillo, Venezuela, 09.10N,70.11W) © Peter Boesman

0105 1 Spix's Guan 1 Calls 0:49 Penelope jacquacu (16/4/1992 , Lower Rio Caura area, Bolivar, Venezuela, 07.15N,65.00W) © Peter Boesman

0105 2 Spix's Guan 2 Call 0:20 Penelope jacquacu (1/11/1993 , Junglaven area, Amazonas, Venezuela, 05.00N,66.23W) © Peter Boesman

0105 3 Spix's Guan 3 Soft call 0:17 Penelope jacquacu (22/7/2009 18:00h, Amazon Manu Lodge, Madre de Dios, Peru, 12.18S,70.48W) © Peter Boesman

0105 4 Spix's Guan 4 Call 1:00 Penelope jacquacu (20/7/2006 17:30h, Cucuy road north of Sao Gabriel da Cachoeira, Amazonas, Brazil, 00.01N,66.30W) © Peter Boesman.

0105 5 Spix's Guan 5 Call in flight 0:11 Penelope jacquacu (22/7/2009 18:00h, Amazon Manu Lodge, Madre de Dios, Peru, 12.18S,70.48W) © Peter Boesman

0106 1 Crested Guan 1 Calls and display 0:48 Penelope purpurascens (18/12/1992 06:20h, Santa Rosa NP, Guanacaste, Costa Rica, 10.50N,85.40W) © Gunter De Smet

0106 2 Crested Guan 2 Call 1:38 Penelope purpurascens (20/4/1984 , Guatopo NP, Miranda, Venezuela, 10.10N,66.40W) © Chris Parrish.

0106 3 Crested Guan 3 Call QQ 1:07 Penelope purpurascens (30/12/1993 10:30h, Machalilla NP, Manabí, Ecuador, 01.28S,80.45W) © Peter Boesman.

0107 1 Cauca Guan 1 Call 0:18 Penelope perspicax (3rd January 2010 6h30, Bosque Bremen, Quindío, Colombia, 4°40'26"N 75°37'5"W). © Peter Boesman.

0107 2 Cauca Guan 2 Call 1:07 Penelope perspicax (2nd January 2010 18h00, Bosque Bremen, Quindío, Colombia, 4°40'26"N 75°37'5"W). © Peter Boesman.

0107 3 Cauca Guan 3 Call 0:52 Penelope perspicax. Santuario Otun-Quimbaya, La Suiza, Risaralda, Colombia, 09:00h, 26-07-2008, call © Andrew Spencer.

0107 4 Cauca Guan 4 Call 2:40 Penelope perspicax. La Suiza (SFF Otun/Quimbaya), corregimiento La Florida, Pereira, Risaralda, Colombia, 1700m, 06:15h, 19-03-1999, Alarm calls, Three birds © Bernabe Lopez-Lanus.

0107 5 Cauca Guan 5 Wing whirring 0:07 Penelope perspicax (2nd January 2010 18h00, Bosque Bremen, Quindío, Colombia, 4°40'26"N 75°37'5"W). © Peter Boesman.

0114 1 Blue-throated Piping-Guan 1 Song 0:10 Pipile cumanensis (1/2/1994 , Camani, Amazonas, Venezuela, 05.05N,66.20W) © Gustavo Rodriguez

0114 2 Blue-throated Piping-Guan 2 Call 0:12 Pipile cumanensis (23/7/2009 06:00h, Amazon Manu Lodge, Madre de Dios, Peru, 12.18S,70.48W) © Peter Boesman

0114 3 Blue-throated Piping-Guan 3 Wing rattle 0:09 Pipile cumanensis (16/12/2001 , Junglaven area, Amazonas, Venezuela, 05.00N,66.23W) © Mark Van Beirs

0117 1 Wattled Guan 1 Song 0:22 Aburria aburri (12/11/2001 04:45h, San Isidro lodge, Napo, Ecuador, 00.40S,77.55W) © Nick Athanas

0117 2 Wattled Guan 2 Song 0:08 Aburria aburri (3/1/2008 08:00h, Tarapoto tunnel road, San Martín, Peru, 06.25S,76.15W) © Peter Boesman

0117 3 Wattled Guan 3 Song 0:07 Aburria aburri (3/1/2008 08:30h, Tarapoto tunnel road, San Martín, Peru, 06.25S,76.15W) © Peter Boesman

0118 1 Gray-headed Chachalaca 1 calls 0:18 Ortalis cinereiceps (18/5/1997 , El Valle, Coclé, Panama,) © Dodge Engleman

0118 2 Gray-headed Chachalaca 2 calls 0:23 Ortalis cinereiceps (19/2/1996 , Cerro Hoya, Veraguas, Panama,) © Dodge Engleman

0118 3 Gray-headed Chachalaca 3 squeels () 0:11 Ortalis cinereiceps (19th March 2010 17h15, Esquinas lodge, 100m elev., Piedras Blancas NP, Puntarenas, Costa Rica). © Peter Boesman.

0119 1 Chestnut-winged Chachalaca 1 Song 1:37 Ortalis garrula. Coloso, Sucre, Montes de Maria, Colombia, 300m, 08:00h, 08-08-2011, Songs. also: Lineated Woodpecker, Black-chested Jay © Oswaldo Cortes.

0120 1 Rufous-vented Chachalaca 1 Song 0:07 Ortalis ruficauda (17/11/1996 07:00h, Morrocoy NP, Falcon, Venezuela, 10.51N,68.18W) © Peter Boesman

0120 2 Rufous-vented Chachalaca 2 Song 1:34 Ortalis ruficauda (February 2009, Yacambu NP, Lara, Venezuela) © Hans Matheve

0120 3 Rufous-vented Chachalaca 3 Call 0:20 Ortalis ruficauda (19/6/1994 , Caño Colorado, Monagas, Venezuela, 09.55N,62.55W) © Peter Boesman.

0120 4 Rufous-vented Chachalaca 4 Call 0:15 Ortalis ruficauda (17/11/1996 07:00h, Tacarigua dam, Falcon, Venezuela, 11.00N,68.24W) © Peter Boesman.

0121 1 Rufous-headed Chachalaca 1 Call 0:19 Ortalis erythroptera (22/12/1993 , Macara - Sozoranga, Loja, Ecuador, 04.25S,79.47W) © Peter Boesman.

0121 2 Rufous-headed Chachalaca 2 Call 1:17 Ortalis erythroptera (22/12/1993 , Piñas, El Oro, Ecuador, 03.40S,79.40W) © Peter Boesman.

0123 1 Colombian Chachalaca 1 Song 0:37 Ortalis columbiana (3rd February 2011 7h15, RNA El Paujil, Santander, Colombia, 310m, 6.2°59' N, 74.15°41' W). (Background: White-tipped Dove, Yellow Tyrannulet, Black-striped Sparrow). © Peter Boesman.

0123 2 Colombian Chachalaca 2 Song 0:46 Ortalis columbiana (3rd February 2011 7h00, RNA El Paujil, Santander, Colombia, 310m, 6.2°59' N, 74.15°41' W). (Background: Black-bellied Wren). © Peter Boesman.

0124 1 Speckled Chachalaca 1 Song 0:19 Ortalis guttata (1/1/2008 08:30h, Morro de Calzada, San Martín, Peru, 06.00S,77.05W) © Peter Boesman

0124 2 Speckled Chachalaca 2 Song 0:45 Ortalis guttata (22nd July 2010 9h00, Allpahuayo - Mishana Reserve, Loreto, Peru, 120m, S3.50° W73.15°). (Background: Dusky-capped Greenlet). © Peter Boesman.

0124 3 Speckled Chachalaca 3 Song 1:26 Ortalis guttata columbiana. San Agustín, Huila, Colombia, 1700m, 08:30h, 26-06-2010, N1.5247° W76.16°4", song © Andrew Spencer.

0124 4 Speckled Chachalaca 4 Call 0:29 Ortalis guttata (21/7/2009 09:00h, Manu Amazonia Lodge, Cuzco, Peru, 12.50S,71.15W) © Peter Boesman

0124 5 Speckled Chachalaca 5 Call 0:14 Ortalis guttata (2/8/2008 07:15h, Villa Rica Coffee plantations, Pasco, Peru, 10.40S,75.20W) © Peter Boesman

0127 1 Nocturnal Curassow 1 Booming () 1:42 Nothocrax urumutum (17/2/2006 18:30h, Gareno Lodge, Napo, Ecuador, 01.05S,77.35W) © Peter Boesman

0128 1 Great Curassow 1 booming 0:25 Crax rubra. (20th March 2010 05h15, Esquinas lodge, 100m elev., Piedras Blancas NP, Puntarenas, Costa Rica). (Background: Blue-crowned Motmot, Clay-coloured Thrush). © Peter Boesman.

0128 2 Great Curassow 2 booming 2:06 Crax rubra. (13th March 2010 13h00, La Selva biological station, Heredia, Costa Rica). (Background: Chestnut-mandibled Toucan). © Peter Boesman.

0128 3 Great Curassow 3 call 0:16 Crax rubra (12/1/1993 10:40h, Corcovado NP, Puntarenas, Costa Rica, 08.40N,83.40W) © Gunter De Smet

0128 4 Great Curassow 4 call 0:20 Crax rubra (25/12/1991 07:00h, La Selva, Heredia, Costa Rica, 10.20N,84.00W) © Peter Boesman

0128 5 Great Curassow 5 call 0:26 Crax rubra. (25th March 2010 09h00, Las Heliconias Lodge, 800m elev., Alajuela, Costa Rica). (Background: Streak-crowned Antvireo). © Peter Boesman.

0129 1 Blue-billed Curassow 1 booming 1:20 Crax alberti (2nd February 2011 8h00, RNA El Paujil, Santander, Colombia, 310m, 6.2°59' N, 74.15°41' W). © Peter Boesman.

0129 2 Blue-billed Curassow 2 booming 0:42 Crax alberti. Reserva Los Besotes_Vereda Los Besotes (Cerro Los Besotes), municipio Valledupar, Cesar, Colombia, 600m, pmh, 27-05-2001, Guttural song, Natural sound © Bernabe Lopez-Lanus.

0129 3 Blue-billed Curassow 3 Call 0:14 Crax alberti. RNA El Paujil, Serranía de las Quinchas, Santander, Colombia, Colombia, 250m, 7h, 25-04-2007, N5.56°0" W74.11°0", alarm, presumably alarm notes - a male walking in understorey. near the reserve © Frank Lambert.

0129 4 Blue-billed Curassow 4 Call 0:32 Crax alberti. Reserva Los Besotes_Vereda Los Besotes (Cerro Los Besotes), municipio Valledupar, Cesar, Colombia, 600m, pmh, 28-05-2001, Alarm whistles © Bernabe Lopez-Lanus.

0129 5 Blue-billed Curassow 5 Call 0:31 Crax alberti. RNA El Paujil, Santander, Colombia, 310m, 06:56h, 04-02-2007, N6.2°59" W74.15°41", alarm call, Male. Also: Gartered Trogon, Rufous Molmot. © Nick Athanas.

0130 1 Yellow-knobbed Curassow 1 Song 0:15 Crax daubentoni © Paul Schwartz

0130 2 Yellow-knobbed Curassow 2 Song 0:37 Crax daubentoni (31/7/1999 , Hato Mataclara, Cojedes, Venezuela, 09.04N,68.05W) © Peter Boesman.

0131 1 Black Curassow 1 Call 0:24 Crax alector (15/11/1993, Junglaven area, Amazonas, Venezuela, 05.00N,66.23W) © Peter Boesman

0131 2 Black Curassow 2 Call 0:50 Crax alector (26/1/2006 , Junglaven area, Amazonas, Venezuela, 05.00N,66.23W) © Mark Van Beirs.

0132 1 Wattled Curassow 1 Song 1:32 Crax globulosa. (26-08-2001 6:50h, Río Negro, Beni, Beni, Bolivia, 150m, S13.45°0" W67.16°58"). Male song, After rebound playback. (Background: Undulated Tinamou). © A. Bennett Hennessey.

0132 2 Wattled Curassow 2 Call female 0:18 Crax globulosa. (2nd August 2010 7h30, Río Yanayacu area near Muyuna lodge, Loreto, Peru, 4°18' S, 73°17' W). © Peter Boesman.

0132 3 Wattled Curassow 3 Call female and flight 0:26 Crax globulosa. (2nd August 2010 7h30, Río Yanayacu area near Muyuna lodge, Loreto, Peru, 4°18' S, 73°17' W). © Peter Boesman.

0132 4 Wattled Curassow 4 Call female 0:58 Crax globulosa. (24-08-2001 17:24h, Río Negro, Beni, Beni, Bolivia, 150m, S13.45°0" W67.16°58"). Calls (alarm calls probably), and wing sounds. Two females. Along a small stream. © A. Bennett Hennessey.

0135 1 Crestless Curassow 1 Booming 0:49 Mitu tomentosa (24/1/2006 , Junglaven area, Amazonas, Venezuela, 05.00N,66.23W) © Mark Van Beirs.

0135 2 Crestless Curassow 2 Booming 0:48 Mitu tomentosa (March 2009, Junglaven area, Amazonas, Venezuela, 05.00N,66.23W) © Hans Matheve.

0136 1 Salvin's Curassow 1 Booming 1:04 Mitu salvini. Yasuni Research Station, Parque Nacional Yasuni, Orellana, Ecuador, 250m, 10:00h, 10-01-2011, S0.4027° W76.23°52", song © Andrew Spencer.

0137 1 Razor-billed Curassow 1 Booming 1:05 Mitu tuberosum. (Cristalino Jungle Lodge, MT, Brazil, 250m, 06:30h, 18-08-2009, S9.35°53" W55.55°55"). Bird singing about 15 meters up in a large tree. © Andrew Spencer.

0137 2 Razor-billed Curassow 2 Booming () 0:51 Mitu tuberosa (21/7/2009 11:00h, Manu Amazonia Lodge, Cuzco, Peru, 12.50S,71.15W). Recording heavily filtered. © Peter Boesman

0137 3 Razor-billed Curassow 3 Call 0:30 Mitu tuberosa (29/7/2009 08:00h, Pantiacolla Lodge, Madre de Dios, Peru, 12.39S,71.14W) © Peter Boesman

0137 4 Razor-billed Curassow 4 Call 0:51 Mitu tuberosum. (Cristalino Jungle Lodge, MT, Brazil, 250m, 07:10h, 18-08-2009, S9.35°53" W55.55°55"). Call from a presumed female bird on the ground near a singing male. © Andrew Spencer.

0139 1 Helmeted Curassow 1 Song 1:31 Pauxi pauxi (26/3/1995 07:30h, Rancho Grande area, Aragua, Venezuela, 10.21N,67.42W) © Peter Boesman.

0139 2 Helmeted Curassow 2 Call 0:24 Pauxi pauxi (26/3/1995 07:30h, Rancho Grande area, Aragua, Venezuela, 10.21N,67.42W) © Peter Boesman.

0139 3 Helmeted Curassow 3 Call 0:42 Pauxi pauxi (March 2009, Rancho Grande area, Aragua, Venezuela, 10.21N,67.42W) © Hans Matheve.

0142 1 Crested Bobwhite 1 Song 0:53 Colinus cristatus (28/7/2003, Peninsula de Araya, Sucre, Venezuela, 10.40N,63.42W) © Peter Boesman

0142 2 Crested Bobwhite 2 Song
0142 3 Crested Bobwhite 3 Song
0142 4 Crested Bobwhite 4 Call
0143 1 Marbled Wood-Quail 1 Duet
0143 2 Marbled Wood-Quail 2 Duet
0143 3 Marbled Wood-Quail 3 Song
0145 1 Black-fronted Wood-Quail 1 Song
0145 2 Black-fronted Wood-Quail 2 Duet
0145 3 Black-fronted Wood-Quail 3 Duet
0146 1 Rufous-fronted Wood-Quail 1 Duet
0146 2 Rufous-fronted Wood-Quail 2 Duet
0146 3 Rufous-fronted Woodquail 3 Duet
0147 1 Chestnut Woodquail 1 Duet
0147 2 Chestnut Woodquail 2 Duet
0147 3 Chestnut Woodquail 3 Song
0147 4 Chestnut Woodquail 4 Call
0148 1 Dark-backed Wood-Quail 1 Song ()
0151 1 Gorgeted Woodquail 1 Duet
0151 2 Gorgeted Woodquail 2 Duet
0151 3 Gorgeted Woodquail 3 Duet and calls
0155 1 Tawny-faced Quail 1 song
0155 2 Tawny-faced Quail 2 song
0155 3 Tawny-faced Quail 3 song
0158 1 Least Grebe 1 Song
0158 2 Least Grebe 2 Call
0158 3 Least Grebe 3 Pulli
0159 1 Pied-billed Grebe 1 Churring call
0159 2 Pied-billed Grebe 2 Calls
0159 3 Pied-billed Grebe 3 Calls
0159 4 Pied-billed Grebe 4 Call
0159 5 Pied-billed Grebe 5 Call
0162 1 Silvery Grebe 1 Call
0165 1 American Flamingo 1 Calls
0165 2 American Flamingo 2 Calls
0258 1 Jabiru 1 bill snaps
0259 1 Wood Stork 1 Call
0260 1 Magnificent Frigatebird 1 Call
0265 1 Blue-footed Booby 1 Call
0270 1 Brown Booby 1 Call ()
0272 1 Neotropic Cormorant 1 Call
0272 2 Neotropic Cormorant 2 Call
0272 3 Neotropic Cormorant 3 Call
0277 1 Anhinga 1 Call
0280 1 Rufescent Tiger-Heron 1 Booming
0280 2 Rufescent Tiger-Heron 2 Call
0280 3 Rufescent Tiger-Heron 3 Call
0281 1 Fasciated Tiger-Heron 1 Call
0282 1 Bare-throated Tiger-Heron 1 booming
0282 2 Bare-throated Tiger-Heron 2 booming
0283 1 Agami heron 1 Call
0284 1 Boat-billed Heron 1 Call
0284 2 Boat-billed Heron 2 Call
0284 3 Boat-billed Heron 3 Soft calls
0285 1 Zigzag Heron 1 Call
0285 2 Zigzag Heron 2 Call
0285 3 Zigzag Heron 3 Call
0285 4 Zigzag Heron 4 Calls
0286 1 Pinnated Bittern 1 Song
0287 1 Least Bittern 1 Call
0287 2 Least Bittern 2 Call
0288 1 Stripe-backed Bittern 1 Song
0288 2 Stripe-backed Bittern 2 Song ()
0288 3 Stripe-backed Bittern 3 Call
0:19 *Colinus cristatus* (6/11/1994 11:30h, Caño Colorado, Monagas, Venezuela, 09.55N,62.55W) © Peter Boesman
0:12 *Colinus cristatus* (28/3/1997 06:00h, Samariapo road, Amazonas, Venezuela, 05.15N,67.48W) © Peter Boesman.
0:04 *Colinus cristatus* (February 2009, Hato El Cedral, Apure, Venezuela, 10.40N,63.42W) © Hans Matheve
0:20 *Odontophorus gujanensis* (15/11/1993, Junglaven area, Amazonas, Venezuela, 05.00N,66.23W) © Peter Boesman
0:22 *Odontophorus gujanensis* (9/1/2005 18:15h, Carajás, Airport area, Pará, Brazil, 06.00S,50.10W) © Peter Boesman
0:39 *Odontophorus gujanensis* (25/3/1997 18:00h, Lower Rio Cauca area, Bolivar, Venezuela, 07.15N,65.00W) © Peter Boesman
0:20 *Odontophorus atrifrons atrifrons*. RNA El Dorado, Sierra de Santa Marta, Magdalena, Colombia, 2000m, 06:38h, 13-03-2010, N11.628° W74.255°, song, Response to playback. © Nick Athanas.
0:17 *Odontophorus atrifrons*. RNA El Dorado, Sierra de Santa Marta, Magdalena, Colombia, 1900m, 07:30h, 9 Feb 2010, N11.628° W74.255°, calls, first few notes missing © Frank Lambert
0:31 *Odontophorus atrifrons* (31/1/1994 09:00h, Santa Marta Lorenzo road, Magdalena, Colombia, 11.00N,73.40W) © Peter Boesman.
0:20 *Odontophorus erythrops* (25/2/2006 08:00h, Silanche reserve, Pichincha, Ecuador, 00.10N,79.15W) © Peter Boesman.
0:43 *Odontophorus erythrops* (25/2/2006 08:30h, Silanche reserve, Pichincha, Ecuador, 00.10N,79.15W) © Peter Boesman.
0:12 *Odontophorus erythrops* (2nd January 2010 8h00. P.N. Tatamá, Montezuma trail, near Pueblo Rico, Risaralda, Colombia, 1600m, 5°14'3"N 76° 5'21"W:). © Peter Boesman.
1:49 *Odontophorus hyperythrus* (29th December 2009 8h00. R.N. Rio Blanco, Caldas, Colombia, 2600m, 5°5' N 75°30'W:). © Peter Boesman.
0:20 *Odontophorus hyperythrus* (29th December 2009 9h00. R.N. Rio Blanco, Caldas, Colombia, 2600m, 5°5' N 75°30'W:). © Peter Boesman.
0:17 *Odontophorus hyperythrus* (7th February 2011 7h00. RNA Las Tangaras near Carmen del Atrato, Antioquia, Colombia). © Peter Boesman.
0:19 *Odontophorus hyperythrus*. RNA El Mirador, Genova, Quindio, Colombia, 2800m, 06-06-2007, N4.822° W75.448°, calls, given about six seconds after that song was given. recorded just south of the reserve © Frank Lambert.
0:39 *Odontophorus melanotus* (24/2/2006 06:30h, Paz de las Aves, Pichincha, Ecuador, 00.00N,78.40W) © Peter Boesman.
0:28 *Chaetocercus heliodor* (31st January 2011 7h00. RNA Reinita Cielo Azul, San Vicente de Chucurí, Santander, Colombia, 1900m, N.5047' N, 73.2230' W), © Peter Boesman.
0:23 *Chaetocercus heliodor* (31st January 2011 7h00. RNA Reinita Cielo Azul, San Vicente de Chucurí, Santander, Colombia, 1900m, N.5047' N, 73.2230' W), (Background: Collared Forest-falcon, Three-striped Warbler) © Peter Boesman.
1:04 *Odontophorus strophium*. RNA Reinita Cielo Azul, San Vicente de Chucurí, Santander, Colombia, 1900m, 05-05-2007, N6.5047° W73.2230°, song, pair with chicks © Frank Lambert.
0:16 *Rhynchortyx cinctus* (15/4/1995, Cana, Darien, Panama, 07.50N,77.40W) © Peter Boesman
0:27 *Rhynchortyx cinctus* (15/4/1995, Cana, Darien, Panama, 07.50N,77.40W) © Peter Boesman
0:27 *Rhynchortyx cinctus* (15/4/1995 23:00h, Cana, Darien, Panama, 07.50N,77.40W) © Peter Boesman
0:17 *Tachybaptus dominicus* (15/5/1993, Yacambu NP, Lara, Venezuela, 09.43N,69.35W) © Peter Boesman
0:16 *Tachybaptus dominicus* (27/7/1996 07:30h, San Pablo marsh, Carabobo, Venezuela, 10.31N,68.22W) © Peter Boesman
0:20 *Tachybaptus dominicus* (2/8/2008 12:30h, Villa Rica Coffee plantations, Pasco, Peru, 10.40S,75.20W) © Peter Boesman
0:17 *Podilymbus podiceps* (17/2/2007 06:40h, Patagonia State Park, AZ, USA) © Peter Boesman
0:10 *Podilymbus podiceps* (17/2/2007 07:15h, Patagonia State Park, AZ, USA) © Peter Boesman
0:17 *Podilymbus podiceps* (17/2/2007 06:40h, Patagonia State Park, AZ, USA) © Peter Boesman
0:10 *Podilymbus podiceps antarcticus*. Laguna de Pedro Palo, Cundinamarca, Colombia, 55m, amh, 14-04-2000, Song © Bernabe Lopez-Lanus.
0:09 *Podilymbus podiceps antarcticus*. Laguna de Pedro Palo, Cundinamarca, Colombia, 55m, amh, 15-04-2000, Calls, Interaction with juvenile? © Bernabe Lopez-Lanus.
0:13 *Podiceps occipitalis*. (20-03-2009, Lagunilla de Pozuelos, Argentina, 3765m, S22.180° W66.610°). Tape ref. A 443-446 © Niels Krabbe.
0:08 *Phoenicopterus ruber* (24/4/1993, Tacarigua dam, Falcon, Venezuela, 11.00N,68.24W) © Peter Boesman
0:06 *Phoenicopterus ruber* (25/4/1993, Tacarigua dam, Falcon, Venezuela, 11.00N,68.24W) © Peter Boesman.
0:41 *Jabiru mycteria*. (23-06-1997, El Bagual Ecological Reserve, Formosa, Argentina. 26.10S 58.56W). One bird on nest with four eggs. Juan Mazar Barnett.
0:10 *Mycteria americana*. Estancia El Potrero, Argentina, 10m, amh, 28-11-2008, S33.252° W58.1026°, Call in flight. also: Black-and-rufous Warbling-Finch © Bernabe Lopez-Lanus.
0:20 *Fregata magnificens* (1/3/1996, Morrocoy NP, Falcon, Venezuela, 10.51N,68.18W). Calls at colony. © Gustavo Rodriguez
0:55 *Sula nebouxii nebouxii*. Off Nuqui, Choco, Colombia, 0m, 07:30h, 23-07-2008, Calls from birds around a nesting colony on a large off-shore rock. Lots of ocean noise in the background. © Andrew Spencer.
0:03 *Sula leucogaster* (1/3/1996, Morrocoy NP, Falcon, Venezuela, 10.51N,68.18W) © Gustavo Rodriguez
0:24 *Phalacrocorax brasilianus* (15/3/1998 18:55h, Hato El Cedral area, Apure, Venezuela, 07.30N,69.17W) © Chris Sharpe
0:36 *Phalacrocorax brasilianus* (4/8/2002 08:30h, Laguna Unare, Anzoategui, Venezuela, 10.07N,65.20W) © Peter Boesman
0:11 *Phalacrocorax brasilianus* (28/7/2005 07:45h, Transpantaneira, Mato Grosso, Brazil, 17.00S,57.00W) © Peter Boesman
0:04 Anhinga anhinga. (March 2003. Chone lakes, Manabí, Ecuador. 20 m. 0°42' S, 80°12' W). John V. Moore.
0:36 *Tigrisoma lineatum* (29/6/1997, Gamboa, Panamá, Panama,) © Dodge Engleman
0:12 *Tigrisoma lineatum* (12/1/2005 07:00h, Carajás, Salobo area, Pará, Brazil, 05.55S,50.30W) © Peter Boesman
0:02 *Tigrisoma lineatum* (28/7/2005 16:00h, Pantanal, Porto Jofre area, Mato Grosso, Brazil, 17.25S,56.45W). Calls when taking off. © Peter Boesman.
0:15 *Tigrisoma fasciatum*. (Sucumbios, Limoncacha, Ecuador). Call and contact call between adult and young. Arnold Van den Berg
0:22 *Tigrisoma mexicanum* (11/11/1993 08:20h, Corcovado NP, Puntarenas, Costa Rica, 08.40N,83.40W) © Gunter De Smet
0:16 *Tigrisoma mexicanum* (11/11/1993 08:20h, Corcovado NP, Puntarenas, Costa Rica, 08.40N,83.40W) © Gunter De Smet
0:29 *Agamia agami* (10-04-2011, 11:00h, Cocococha, Explorer's Inn, Madre de Dios, Peru, 150m, S12.494° W69.1554°). Calls from a large (300+ birds) colony. © Andrew Spencer.
0:13 *Cochlearius cochlearius* (30/7/2005 18:00h, Pantanal, Pixaim area, Mato Grosso, Brazil, 16.40S,56.50W) © Peter Boesman
0:17 *Cochlearius cochlearius* (1/8/2005 07:30h, Pantanal, Pixaim area, Mato Grosso, Brazil, 16.40S,56.50W) © Peter Boesman
0:11 *Cochlearius cochlearius*. (23rd March 2010 09h35, Carara NP area, 10m elev., Puntarenas, Costa Rica). © Peter Boesman.
0:19 *Zenaidura macroura* (23/12/1992 06:45h, La Selva lodge, Napo, Ecuador, 00.30S,76.30W) © Peter Boesman
0:38 *Zenaidura macroura* (21/7/2005 17:30h, Alta Floresta area, Mato Grosso, Brazil, 09.54S,55.54W) © Peter Boesman
0:25 *Zenaidura macroura* (23/12/1992, La Selva lodge, Napo, Ecuador, 00.30S,76.30W) © Peter Boesman
0:54 *Zenaidura macroura* (21/7/2005 17:30h, Alta Floresta area, Mato Grosso, Brazil, 09.54S,55.54W) © Peter Boesman.
0:10 *Botaurus pinnatus*. (March 2003. Chone lakes, Manabí, Ecuador. 20 m. 0°42' S, 80°12' W). At dusk. John V. Moore.
0:27 *Ixobrychus exilis* (28/12/1994, Buena Vista, Santa Cruz, Bolivia, 17.20S,63.30W) © Peter Boesman
0:08 *Ixobrychus exilis* (25/8/1994, Caño Colorado, Monagas, Venezuela, 09.55N,62.55W) © Peter Boesman
0:24 *Ixobrychus involucris*. Acambuco, Salta, Argentina, 8-10-05, © Bernabe Lopez-Lanus.
0:16 *Ixobrychus involucris* (27/7/1996 07:30h, San Pablo marsh, Carabobo, Venezuela, 10.31N,68.22W). The guttural calls somewhat on the background (not the nasal calls on the foreground). © Peter Boesman
0:10 *Ixobrychus involucris*. Estancia La Verdosa (San Enrique), Partido de 25 de Mayo, Buenos Aires, Argentina., Argentina, 50m, 25-10-2001, Call 'hoc, hoc, hoc'. © Bernabe Lopez-Lanus.

0289 1 Black-crowned Night-Heron 1 Calls 0:14 Nycticorax nycticorax (11/8/2008 11:00h, Pisco, Ica, Peru, 13.40S,76.15W). Several birds near colony. © Peter Boesman

0289 2 Black-crowned Night-Heron 2 Call flight 0:04 Nycticorax nycticorax (27/11/2004 19:00h, Lagoa Grande area, Pernambuco, Brazil, 09.00S,40.15W) © Peter Boesman

0289 3 Black-crowned Night-Heron 3 Call flight 0:07 Nycticorax nycticorax (30/7/2005 18:00h, Pantanal, Pixaim area, Mato Grosso, Brazil, 16.40S,56.50W) © Peter Boesman

0289 4 Black-crowned Night-Heron 4 Call flight 0:23 Nycticorax nycticorax (7/8/2000 20:00h, Morrocoy NP, Falcon, Venezuela, 10.51N,68.18W) © Peter Boesman.

0290 1 Yellow-crowned Night-Heron 1 Call 0:27 Nyctanassa violacea. (March 2003. South of San Vicente, Manabi, Ecuador. 0 m. 0°38' S, 80°22' W). Calls of a perched group, at dusk. John V. Moore.

0291 1 Green Heron 1 Call 0:06 Butorides virescens (10/4/1998 07:00h, Sequoyah NWR, OK, , USA,) © Peter Boesman.

0292 1 Striated Heron 1 Song 0:11 Butorides striatus (8/8/2003 06:45h, Villa Lola area, Bolivar, Venezuela, 07.55N,62.00W) © Peter Boesman

0292 2 Striated Heron 2 Call 0:12 Butorides striatus (29/7/2005 15:00h, Pantanal, Porto Jofre area, Mato Grosso, Brazil, 17.25S,56.45W) © Peter Boesman

0292 3 Striated Heron 3 Call 0:03 Butorides striatus (30/12/1996 16:00h, Rio Sarare/Rio Burguita, Apure, Venezuela, 07.14N,71.25W) © Peter Boesman

0292 4 Striated Heron 4 Calls 0:23 Butorides striatus (29/7/2005 15:00h, Pantanal, Porto Jofre area, Mato Grosso, Brazil, 17.25S,56.45W) © Peter Boesman

0292 5 Striated Heron 5 Calls 0:05 Butorides striatus (2/8/2008 12:30h, Villa Rica Coffee plantations, Pasco, Peru, 10.40S,75.20W) © Peter Boesman

0292 6 Striated Heron 6 Call 0:08 Butorides striata striata. Finca El Emporio (represa), Villa de Leyva, Boyaca, Colombia, 28-05-2002, Calls © Bernabe Lopez-Lanus.

0294 1 Cattle Egret 1 Call flight 0:16 Bubulcus ibis (21/3/2001 10:00h, Teotitlan, Oaxaca, Mexico, 17.05N,96.30W) © Peter Boesman

0294 2 Cattle Egret 2 Call 0:20 Bubulcus ibis. March 2003. 4 km. north of Santa Rosa (El Oro, Ecuador). 80 m. 3°25' S, 79°57' W. Calls of a group at dusk. John V. Moore.

0294 3 Cattle Egret 3 Calls colony 0:08 Bubulcus ibis ibis. Humedal Laguna del Neuta, Soacha, Cundinamarca, Colombia, 2600m, amr, 24-05-2003, Youngs call, In a nesting colony. Little youngs of 2 or 3 weeks of old. © Bernabe Lopez-Lanus.

0296 1 Great Blue Heron 1 Call 0:09 Ardea herodias (17/2/2007 06:30h, Patagonia State Park, AZ, , USA,) © Peter Boesman.

0297 1 Cocoi Heron 1 Call 0:04 Ardea cocoi (30/7/2005 18:00h, Pantanal, Pixaim area, Mato Grosso, Brazil, 16.40S,56.50W) © Peter Boesman

0297 2 Cocoi Heron 2 Call 0:09 Ardea cocoi (30/7/2005 05:45h, Pantanal, Pixaim area, Mato Grosso, Brazil, 16.40S,56.50W) © Peter Boesman

0297 3 Cocoi Heron 3 Call 0:18 Ardea cocoi (30/12/1996 08:00h, Rio Sarare/Rio Burguita, Apure, Venezuela, 07.14N,71.25W) © Peter Boesman

0297 4 Cocoi Heron 4 Soft calls 1:27 Ardea cocoi (4th January 2010 16h45, Mana Dulce, Tolima, Colombia, 4° 21' 04"N 74° 39' 06"W). (Background: W Slaty Antshrike, Great Kiskadee, Scrub Greenlet). © Peter Boesman.

0299 1 Great Egret 1 Call 0:07 Ardea alba (28/7/2005 08:30h, Transpantaneira, Mato Grosso, Brazil, 17.00S,57.00W) © Peter Boesman

0299 2 Great Egret 2 Call 0:08 Ardea alba (17/3/2001 11:00h, Boca del Cielo, Chiapas, Mexico, 16.00N,93.36W) © Peter Boesman

0300 1 Whistling Heron 1 Call 0:23 Syrigma sibilatrix (1/7/1996 , Hato El Cedral area, Apure, Venezuela, 07.30N,69.17W) © Gustavo Rodriguez.

0300 2 Whistling Heron 2 Call 0:17 Syrigma sibilatrix (February 2009, Hato El Cedral area, Apure, Venezuela, 07.30N,69.17W) © Hans Matheve.

0301 1 Capped Heron 1 Calls 0:28 Pilherodius pileatus (21/7/1997 07:45h, Oquiriquia, Santa Cruz, Bolivia, 14.40S,62.05W) © Stefan Woltmann

0301 2 Capped Heron 2 Calls 0:37 Pilherodius pileatus (23/7/2005 07:30h, Rio Cristalino Jungle Lodge, Mato Grosso, Brazil, 09.27S,55.54W) © Peter Boesman

0302 1 Tricolored Heron 1 Call 0:07 Egretta tricolor. (March 2003. South of San Vicente, Manabi, Ecuador. 0 m. 0°38' S, 80°22' W). Background: Scrub Blackbird. Calls during short flight. John V. Moore.

0302 2 Tricolored Heron 2 Call 0:05 Egretta tricolor (7/8/2000 16:00h, Chichiriviche area, Falcon, Venezuela, 10.57N,68.20W) © Peter Boesman

0302 3 Tricolored Heron 3 Call 0:18 Egretta tricolor. (Rio Guanabano, Chiriqui Province, Panama, 0m, 17:40h, 22-03-2009). © Andrew Spencer.

0306 1 Snowy Egret 1 Call 0:02 Egretta thula (8/4/1999 07:00h, Anahuac NWR, TX, USA) © Peter Boesman.

0306 2 Snowy Egret 2 Call 0:06 Egretta thula (1/8/2005 08:15h, Pantanal, Pixaim area, Mato Grosso, Brazil, 16.40S,56.50W) © Peter Boesman

0306 3 Snowy Egret 3 Call 0:05 Egretta thula (23/7/2008 12:00h, Laguna Paraiso, Lima, Peru, 11.15S,77.40W) © Peter Boesman

0306 4 Snowy Egret 4 Call 0:08 Egretta thula (23/7/2008 12:00h, Laguna Paraiso, Lima, Peru, 11.15S,77.40W) © Peter Boesman

0307 1 Little Blue Heron 1 Flight calls 0:09 Egretta caerulea. (March 2003. South of San Vicente, Manabi, Ecuador. 0 m. 0°38' S, 80°22' W). (Background: West Peruvian Dove). John V. Moore.

0309 1 Scarlet Ibis 1 Call 0:03 Eudocimus ruber (10/8/2000 08:00h, Morrocoy NP, Falcon, Venezuela, 10.51N,68.18W) © Peter Boesman.

0309 2 Scarlet Ibis 2 Call 0:10 Eudocimus ruber (10/8/2000 10:00h, Morrocoy NP, Falcon, Venezuela, 10.51N,68.18W) © Peter Boesman.

0313 1 Sharp-tailed Ibis 1 Call 0:25 Cercibis oxyaerca (3/8/2000, San Silvestre road, Barinas, Venezuela, 08.15N,70.06W) © Peter Boesman

0313 2 Sharp-tailed Ibis 2 Call 0:09 Cercibis oxyaerca (10/12/1984 16:30h, La Ye area, Apure, Venezuela, 07.33N,69.17W) © Chris Parrish.

0313 3 Sharp-tailed Ibis 3 Call 0:54 Cercibis oxyaerca. (Hato El Porvenir, Apure, Venezuela, 09:00h, 08-01-2007). Calls from three birds sitting on dead snags. © Andrew Spencer.

0313 4 Sharp-tailed Ibis 4 Call 0:16 Cercibis oxyaerca. (Hato El Porvenir, Apure, Venezuela, ?m, 08:20h, 08-01-2007). Quiet grunting calls given by a bird foraging in a small puddle. © Andrew Spencer.

0314 1 Green Ibis 1 Call 0:30 Mesembrinibis cayennensis (29/7/2003, Finca Vuelta Larga, Sucre, Venezuela, 10.30N,63.00W) © Peter Boesman

0314 2 Green Ibis 2 Call 0:51 Mesembrinibis cayennensis (18/10/1998 09:20h, Fazenda Caiman, Mato Grosso del Sul, Brazil, 19.57S,56.14W) © Chris Sharpe.

0314 3 Green Ibis 3 Call 0:23 Mesembrinibis cayennensis (30/7/2002 07:00h, Gran Sabana southern side, Bolivar, Venezuela, 04.59N,60.50W) © Peter Boesman.

0314 4 Green Ibis 4 Call 0:19 Mesembrinibis cayennensis (30/7/2002 07:30h, Gran Sabana southern side, Bolivar, Venezuela, 04.59N,60.50W) © Peter Boesman.

0315 1 Bare-faced Ibis 1 Soft calls in flight () 0:14 Phimosus infuscatus (30/12/1996, Rio Sarare/Rio Burguita, Apure, Venezuela, 07.14N,71.25W) © Peter Boesman

0317 1 Buff-necked Ibis 1 Calls flight 0:46 Theristicus caudatus (6/8/2005, Aparados da Serra, Rio Grande do Sul, Brazil,) © Peter Boesman

0317 2 Buff-necked Ibis 2 Call flight 0:15 Theristicus caudatus (29/7/2005 07:00h, Pantanal, Porto Jofre area, Mato Grosso, Brazil, 17.25S,56.45W) © Peter Boesman.

0317 3 Buff-necked Ibis 3 Call 0:09 Theristicus caudatus (30/12/1996 16:00h, Rio Sarare/Rio Burguita, Apure, Venezuela, 07.14N,71.25W) © Peter Boesman.

0317 4 Buff-necked Ibis 4 Call 0:28 Theristicus caudatus (30/12/1996 16:00h, Rio Sarare/Rio Burguita, Apure, Venezuela, 07.14N,71.25W) © Peter Boesman

0320 1 Roseate Spoonbill 1 Call 0:12 Ajaia ajaja (1/2/1996 , Hato El Piñero, Cojedes, Venezuela, 08.56N,68.05W) © Gustavo Rodriguez

0324 1 Black Vulture 1 Grunts 0:44 Coragyps atratus (10/8/2002 08:00h, Canoabo area, Carabobo, Venezuela, 10.20N,68.18W) © Peter Boesman

0327 1 Osprey 1 Whistles 0:28 Pandion haliaetus (9/1/1993 15:45h, Corcovado NP, Puntarenas, Costa Rica, 08.40N,83.40W) © Gunter De Smet

0328 1 White-tailed Kite 1 Call 0:05 Elanus leucurus. (Provincia de Buenos Aires, Argentina. Call (harsh). © Bernabe Lopez-Lanus.

0328 2 White-tailed Kite 2 Call 0:05 Elanus leucurus. (Estancia Las Vinchucas_Altona_Tapalque_Buenos Aires, Argentina, 60m, 03-01-2004). Whistles. © Bernabe Lopez-Lanus.

0329 1 Pearl Kite 1 Call 0:19 Gampsonyx swainsonii. (March 2003. Pacoa, Guayas, Ecuador. 5 m. 2°06' S, 80°44' W). Calls of perched bird. John V. Moore.

0330 1 Hook-billed Kite 1 Song 0:11 Chondrohierax uncinatus (Yuturi Lodge, Sucumbios, Ecuador, 00.34S,76.01W) © John Moore

0331 1 Gray-headed Kite 1 Long call 1:42 Leptodon cayannensis. (21st March 2010 06h05, Esquinas lodge, 100m elev., Piedras Blancas NP, Puntarenas, Costa Rica). © Peter Boesman.

0331 2 Gray-headed Kite 2 Long call 0:09 Leptodon cayannensis. (25th July 2010 9h30, ACTS Explornapo, Loreto, Peru, 120 m. 3°10' S, 72°55' W). © Peter Boesman.

0331 3 Gray-headed Kite 3 Long call 0:18 Leptodon cayannensis (24/7/2007 08:30h, Casa Maria, Carabobo, Venezuela, 10.19N,68.15W) © Peter Boesman

0331 4 Gray-headed Kite 4 Short call 0:09 Leptodon cayannensis. (21st March 2010 06h05, Esquinas lodge, 100m elev., Piedras Blancas NP, Puntarenas, Costa Rica). (Background: Chestnut-backed Antbird). © Peter Boesman.

0331 5 Gray-headed Kite 5 Short call 0:17 Leptodon cayannensis (5/3/1994 , Caño Colorado, Monagas, Venezuela, 09.55N,62.55W) © Peter Boesman

0333 1 Swallow-tailed Kite 1 Song 0:10 Elanoides forficatus (28/12/1994 09:30h, Chapare road, Cochabamba, Bolivia, 17.24S,66.00W) © Peter Boesman

0333 2 Swallow-tailed Kite 2 Song 0:10 Elanoides forficatus (26/7/2002 11:30h, Lower escalera, Bolivar, Venezuela, 06.00N,61.22W) © Peter Boesman

0333 3 Swallow-tailed Kite 3 Song 0:39 Elanoides forficatus (22/7/2003 08:30h, Casa Maria, Carabobo, Venezuela, 10.19N,68.15W) © Peter Boesman

0334 1 Black-collared Hawk 1 Call 0:43 Busarellus nigricollis (26th July 2010 15h30, Explornapo, Loreto, Peru, 120 m. 3°10' S, 72°55' W), © Peter Boesman.

0334 2 Black-collared Hawk 2 Call 0:06 Busarellus nigricollis (28/7/2005 07:00h, Transpantaneira, Mato Grosso, Brazil, 17.00S,57.00W) © Peter Boesman

0334 3 Black-collared Hawk 3 Call 0:41 Busarellus nigricollis (28/7/2005 07:00h, Transpantaneira, Mato Grosso, Brazil, 17.00S,57.00W) © Peter Boesman

0334 4 Black-collared Hawk 4 Call series 0:33 Busarellus nigricollis (27/7/1996 09:00h, San Pablo marsh, Carabobo, Venezuela, 10.31N,68.22W) © Peter Boesman

0335 1 Snail Kite 1 Call 0:42 Rostrhamus sociabilis (18/2/005 08:15h, Pantanal, Pixaim area, Mato Grosso, Brazil, 16.40S,56.50W) © Peter Boesman

0335 2 Snail Kite 2 Call 0:04 Rostrhamus sociabilis (11/6/1995 17:00h, San Pablo marsh, Carabobo, Venezuela, 10.31N,68.22W) © Peter Boesman.

0335 3 Snail Kite 3 Call 0:10 Rostrhamus sociabilis (21/6/1996, San Pablo marsh, Carabobo, Venezuela, 10.31N,68.22W) © Peter Boesman

0336 1 Slender-billed Kite 1 Call 0:26 Rostrhamus hamatus (19/6/1994, Caño Colorado, Monagas, Venezuela, 09.55N,62.55W) © Peter Boesman

0336 2 Slender-billed Kite 2 Call 0:21 Helicolestes hamatus. (Awala-Yalimapo, French Guiana, 4m, 30-08-2007, N5.440° W53.540"). Call, natural recording © Alexandre Renaudier.

0336 3 Slender-billed Kite 3 Call 2:02 Helicolestes hamatus. (Oceania, Madre de Dios, Peru, 250m, 06:00h, 29-10-2009). © Andrew Spencer.

0337 1 Double-toothed Kite 1 Song 0:11 Harpagus bidentatus (Sacha Lodge, Napo, Ecuador, 00.32S,76.23W) © John Moore

0337 2 Double-toothed Kite 2 Song 0:09 Harpagus bidentatus bidentatus. (Mirador de Lumbaqui, Sucumbios, Ecuador, 910m, 12:30h, 25-07-2011, N0.155° W77.1738"). © Andrew Spencer.

0340 1 Plumbeous Kite 1 Call 0:52 Ictinia plumbea. (Buenaventura Reserve, El Oro, Ecuador, 1000m, 14:00h, 30-12-2007, S3.390° W79.460"). Calls from a perched bird. © Andrew Spencer.

0342 1 Cinereous Harrier 1 Call 0:51 Circus cinereus. Estancia Las Vinchuca, Altona_Tapalque_Buenos Aires, Argentina, 60m, Calls © Bernabe Lopez-Lanus.

0343 1 Long-winged Harrier 1 Display calls 0:09 Circus buffoni. (Reserva Olamendi, Campana, Buenos Aires, Argentina, 20m, 24-11-2001). In flight © Bernabe Lopez-Lanus.

0343 2 Long-winged Harrier 2 Call 0:08 Circus buffoni. (Awala-Yalimapo, digue, French Guiana, 2m). © Alexandre Renaudier.

0344 1 Gray-bellied Hawk 1 Song 0:25 Accipiter poliolegaster. (Los Amigos research station, Peru, 2007). © Joseph Tobias.

0344 2 Gray-bellied Hawk 2 Song 0:13 Accipiter poliolegaster. (Peru, 5-12-07). © Joseph Tobias and Nathalie Seddon.

0345 1 Tiny Hawk 1 Call 0:22 Accipiter superciliosus (30/6/1994 08:00h, Rio Grande area, Bolivar, Venezuela, 08.03N,61.40W) © Peter Boesman

0346 1 Semicollared Hawk 1 Call 0:06 Accipiter colaris. (Chical road, Carchi, Ecuador, 2050m, 14:00h, 01-08-2011, N0.4720° W78.86"). Calls from an adult (I believe male) bird after playback. © Andrew Spencer.

0347 1 Sharp-shinned Hawk 1 Long call 0:30 Accipiter striatus. (Rio Anatenorio, on the road Salcedo - Tena, Napo, Ecuador, 3150m). Calls from perch near nest, last calls in flight. Niels Krabbe.

0347 2 Sharp-shinned Hawk 2 Call 0:46 Accipiter striatus. (April 1997, 3 - 5 km below Oyacachi, Napo, Ecuador. At 3150 m. 0°13' S, 78°02' W). Niels Krabbe.

0347 3 Sharp-shinned Hawk 3 Call 0:19 Accipiter striatus (6/8/2004 11:30h, Intervalles National Park, Sao Paulo, Brazil, 24.20S,48.25W) © Peter Boesman.

0347 4 Sharp-shinned Hawk 4 Call flight 0:13 Accipiter striatus (7th January 2010 10h00. Onzaga road near Soata, Boyaca, Colombia, 6°20'11"N 72°44'11"W). © Peter Boesman.

0348 1 Cooper's Hawk 1 call 0:30 Euplotosis neoxenus (24/3/2002 18:00h, Floripondio road, Volcan de Nieve, Jalisco, Mexico, 19.36N,103.42W) © Peter Boesman

0349 1 Bicolored Hawk 1 Long call 0:16 Accipiter bicolor (11/6/1995 09:30h, Palmichal area, Carabobo, Venezuela, 10.21N,68.12W) © Peter Boesman

0349 2 Bicolored Hawk 2 Calls 0:35 Accipiter bicolor (11/6/1995 10:00h, Palmichal area, Carabobo, Venezuela, 10.21N,68.12W) © Peter Boesman

0349 3 Bicolored Hawk 3 Short call 0:25 Accipiter bicolor (22/7/2000 08:00h, Quibor - Sanare road, Lara, Venezuela, 09.48N,69.36W) © Peter Boesman

0350 1 Crane Hawk 1 Call 0:02 Geranospiza caerulescens (31/3/1994, Caño Colorado, Monagas, Venezuela, 09.55N,62.55W) © Peter Boesman

0350 2 Crane Hawk 2 Call 0:05 Geranospiza caerulescens (31/3/2002 09:00h, Singayta, San Blas, Nayarit, Mexico, 21.32N,105.10W) © Peter Boesman

0350 3 Crane Hawk 3 Call 0:20 Geranospiza caerulescens. (Awala-Yalimapo, French Guiana, 1m, 07-06-2006, N5.440° W53.540"). Background: Silver-beaked Tanager, Barred Antshrike, Great Kiskadee © Alexandre Renaudier.

0351 1 Plumbeous Hawk 1 Call 0:52 Leucopternis plumbea (15/4/1995 07:00h, Darien Cana, Panama, 07.50N,77.40W) © Peter Boesman

0352 1 Slate-colored Hawk 1 Long call 0:24 Leucopternis schistacea (23/12/1992 09:00h, La Selva lodge, Napo, Ecuador, 00.30S,76.30W) © Peter Boesman

0352 2 Slate-colored Hawk 2 Short call 1:07 Leucopternis schistacea (25/12/1992, La Selva lodge, Napo, Ecuador, 00.30S,76.30W) © Peter Boesman

0352 3 Slate-colored Hawk 3 Short call 0:15 Leucopternis schistaceus. (26-04-2008, Oropendola Lodge, Manu, Madre de Dios, Peru, 260m, S12.206° W70.4334"). At swamp in terra firme. © David Geale.

0352 4 Slate-colored Hawk 4 Short call 0:26 Leucopternis schistaceus. (5th August 2010 16h00, Rio Javari, Reserva Natural Palmari, Amazonas, Brazil, 50m, 4°17'20" S, 70°17'41" W). © Peter Boesman.

0352 5 Slate-colored Hawk 5 Short call 0:55 Leucopternis schistaceus. (3rd August 2010 8h30, Muyuna lodge, Loreto, Peru, 4°18' S, 73°17' W). © Peter Boesman.

0354 1 Common Black-Hawk 1 Song 0:14 Buteogallus anthracinus (4/8/2002 05:30h, Laguna Unare, Anzoategui, Venezuela, 10.07N,65.20W) © Peter Boesman.

0356 1 Great Black-Hawk 1 Long call 0:06 Buteogallus urubitinga (1/11/1993, Junglaven area, Amazonas, Venezuela, 05.00N,66.23W) © Peter Boesman

0356 2 Great Black-Hawk 2 Short call 0:16 Buteogallus urubitinga (22/12/1993, Piñas, El Oro, Ecuador, 03.40S,79.40W) © Peter Boesman

0356 3 Great Black Hawk 3 Short call 0:07 Buteogallus urubitinga urubitinga. (Cristalino Jungle Lodge, MT, Brazil, 240m, 16:00h, 17-02-2006, S9.3553° W55.5555"). © Nick Athanas.

0357 1 Savanna Hawk 1 Call 0:22 Buteogallus meridionalis (7/4/2005 15:15h, Reserva Ecologica de Guapiassu, Rio de Janeiro, Brazil, 22.24S,42.44W) © Nick Athanas

0357 2 Savanna Hawk 2 Call () 0:06 Buteogallus meridionalis (30/12/1996, Rio Sarare/Rio Burguita, Apure, Venezuela, 07.14N,71.25W) © Peter Boesman

0358 1 Solitary Eagle 1 Call 0:08 Harpyhaliaetus solitarius. (11-11-2002 11:30h, between Manu Cloud Forest Lodge and Rocotal, Manu Road, Cuzco, Peru.13.06S, 71.31W). Perched bird. At 1900 m. Ramiro and Virgilio Yabar .

0360 1 Barred Hawk 1 Short call 0:25 Leucopternis princeps. Chical road, Carchi, Ecuador, 2050m, 14:00h, 01-08-2011, N0.4720° W78.86", Calls from a soaring bird. © Andrew Spencer.

0360 2 Barred Hawk 2 Short call 0:11 Leucopternis princeps. Mashpi Road, Pichincha, Ecuador, 1300m, 15:00h, 07-07-2010, N0.940° W78.5057", call © Andrew Spencer.

0360 3 Barred Hawk 3 Long call 0:11 Leucopternis princeps (15/4/1995, Cana, Darien, Panama, 07.50N,77.40W) © Peter Boesman

0361 1 Roadside Hawk 1 Short call 0:35 Buteo magnirostris (23/12/1997 07:00h, Canoabo area, Carabobo, Venezuela, 10.20N,68.18W) © Peter Boesman.

0361 2 Roadside Hawk 2 Short Call 2:14 Buteo magnirostris (2/8/2008 09:00h, Villa Rica Coffee plantations, Pasco, Peru, 10.40S,75.20W) © Peter Boesman

0361 3 Roadside Hawk 3 Long call 0:20 Buteo magnirostris (22/5/1994, Caño Colorado, Monagas, Venezuela, 09.55N,62.55W) © Peter Boesman.

0361 4 Roadside Hawk 4 Long call 0:38 Buteo magnirostris (21/12/1997 09:00h, Yacambu NP, Lara, Venezuela, 09.43N,69.35W) © Peter Boesman.

0361 5 Roadside Hawk 5 Both calls 0:32 Buteo magnirostris (2/8/2008 09:00h, Villa Rica Coffee plantations, Pasco, Peru, 10.40S,75.20W) © Peter Boesman

0361 6 Roadside Hawk 6 Both calls 0:39 Buteo magnirostris (4/7/1996 09:00h, Yacambu NP, Lara, Venezuela, 09.43N,69.35W) © Peter Boesman.

0362 1 Harris's Hawk 1 Call 0:29 Parabuteo unicinctus (1/8/1996, Hato El Cedral area, Apure, Venezuela, 07.30N,69.17W) © Gustavo Rodriguez

0362 2 Harris's Hawk 2 Call 0:09 Parabuteo unicinctus (28/7/2001 17:00h, Machailla NP, Manabí, Ecuador, 01.28S,80.45W) © Nick Athanas

0363 1 White-rumped Hawk 1 Call 0:24 Buteo leucorhous. (04-11-2007 08:12h, RNA El Dorado, Sierra de Santa Marta, Magdalena, Colombia, 2200m, N11.6'28" W74.2'55"). There were two birds soaring, but I think only one was calling. © Nick Athanas.

0363 2 White-rumped Hawk 2 Call 0:39 Buteo leucorhous. Above RNA El Dorado, Sierra de Santa Marta, Magdalena, Colombia, 2100m, 16:00h, 7 Feb 2010, N11.6'28" W74.2'55", calls © Frank Lambert.

0364 1 White-tailed Hawk 1 Call 0:49 Buteo albicaudatus (1/11/1995, Hato El Cedral area, Apure, Venezuela, 07.30N,69.17W) © Gustavo Rodriguez

0364 2 White-tailed Hawk 2 Call 0:17 Buteo albicaudatus (9/12/1984 17:45h, Hato El Frio area, Apure, Venezuela, 07.50N,69.00W) © Chris Parrish

0365 1 Variable Hawk 1 Call 0:35 Buteo polyosoma polyosoma. Finca La Carbonera (canon del río Toche), Tolima, Colombia, 2900m, 11:12h, 07-11-1998, Bernabe Lopez-Lanus.

0366 1 Black-chested Buzzard-Eagle 1 Call 0:36 Geranoaetus melanooleucus (29/1/1997, Fazenda Canabrava, Curaçá, Bahia, Brazil, 09.00S,39.54W) © Juan Mazar Barnett

0366 2 Black-chested Buzzard-Eagle 2 Calls 0:29 Geranoaetus melanooleucus. (November 1992, below Gualded, Loja, Ecuador, 2280m). Call of perched adult ("kekekekeke") and juvenile in flight. Niels Krabbe.

0368 1 White Hawk 1 Call 1:54 Leucopternis albicollis. (19-10-1998 17:36h, Serrania Cuchilla, Pilon Lajas Biosphere Reserve, Beni, Bolivia, S15.15° W67.10'"). Calls, At 450 m. (Background: Black-throated Antbird). © A. Bennett Hennessey.

0368 2 White Hawk 2 Call 0:20 Leucopternis albicollis. (Pico Bonito National Park, Honduras, 150m, 10:00h, 15/08/05, Single adult bird perched low in the forest (about 10 meters off the ground). It called often and didn't seem to mind our presence. © Jesse Fagan.

0370 1 Semiplumbeous Hawk 1 long call 0:27 Leucopternis semiplumbeus. (13th March 2010 17h00, La Selva biological station, Heredia, Costa Rica). (Background: Great Tinamou, Bright-rumped Attila). © Peter Boesman.

0370 2 Semiplumbeous Hawk 2 short call 0:51 Leucopternis semiplumbeus. (13th March 2010 17h00, La Selva biological station, Heredia, Costa Rica). (Background: Bright-rumped Attila). © Peter Boesman.

0370 3 Semiplumbeous Hawk 3 high call 0:39 Leucopternis semiplumbea (25/12/1991 08:00h, La Selva, Heredia, Costa Rica, 10.20N,84.00W) © Peter Boesman

0371 1 Black-faced Hawk 1 Call 1:04 Leucopternis melanops (30/12/2001 , Km 73 area, Bolivar, Venezuela, 06.17N,61.17W) © Mark Van Beirs

0371 2 Black-faced Hawk 2 Call 0:54 Leucopternis melanops (26/8/1999 , km 88 area, Bolivar, Venezuela, 06.12N,61.24W) © Gustavo Rodriguez.

0373 1 Gray Hawk 1 Call 0:35 Asturina nitida (3/8/2000 06:00h, Obra la Toma, Tachira, Venezuela, 07.56N,71.43W) © Peter Boesman

0373 2 Gray Hawk 2 Call 0:09 Asturina nitida (11/1/2005 17:30h, Carajás, Aguas Claras area, Pará, Brazil, 06.00S,50.30W) © Peter Boesman

0373 3 Gray Hawk 3 Call 0:06 Asturina nitida (3/1/1994 09:15h, Santa Marta Lorenzo road, Magdalena, Colombia, 11.00N,73.40W) © Peter Boesman

0374 1 Broad-winged Hawk 1 Call 0:38 Buteo platypterus (9/3/1997 11:30h, Yacambu NP, Lara, Venezuela, 09.43N,69.35W) © Peter Boesman

0374 2 Broad-winged Hawk 2 Call 0:28 Buteo platypterus platypterus. Filo de Cholo (Finca La Rivera), Roncesvalles, Tolima, Colombia, 1800m, pmh, 06-01-2000, Whistle, Perched © Bernabe Lopez-Lanus.

0375 1 White-throated Hawk 1 Call 0:22 Buteo albigula. Base hacia el refugio Otto Mailing, PN Nahuel Huapi, Rio Negro, Argentina, Whistle, In flight © Bernabe Lopez-Lanus.

0377 1 Swainson's Hawk 1 call 0:06 Buteo swainsoni. (Prowers County, Colorado, USA, 1000m, 19:30h, 11-06-2005). Background: Eastern Kingbird, Western Meadowlark, Red-winged Blackbird. © Nathan Pieplow.

0379 1 Zone-tailed Hawk 1 Flight call 0:11 Buteo albonotatus (May 2002. 2 km. east of Macará (Loja, Ecuador). 550 m. 4°22' S, 79°55' W).

0381 1 Crested Eagle 1 Call 0:15 Morphnus guianensis (La Selva lodge, Napo, Ecuador, 00.30S,76.30W). Recording has been edited. © John Moore

0382 1 Harpy Eagle 1 Call 0:59 Harpia harpyja (3/2/2006 , Rio Grande area, Bolivar, Venezuela, 08.03N,61.40W) © Mark Van Beirs

0382 2 Harpy Eagle 2 Call immature 0:30 Harpia harpyja (17/4/1994 , Rio Grande area, Bolivar, Venezuela, 08.03N,61.40W) © Peter Boesman

0382 3 Harpy Eagle 3 Call immature 0:50 Harpia harpyja (3/2/2006 , Rio Grande area, Bolivar, Venezuela, 08.03N,61.40W) © Mark Van Beirs

0383 1 Black Hawk-Eagle 1 Song 0:14 Spizaetus tyrannus (16/4/1992 , Lower Rio Caura area, Bolivar, Venezuela, 07.15N,65.00W) © Peter Boesman.

0383 2 Black Hawk-Eagle 2 Song 0:52 Spizaetus tyrannus (6/8/2004 11:30h, Intervalles National Park, Sao Paulo, Brazil, 24.20S,48.25W) © Peter Boesman

0383 3 Black Hawk-Eagle 3 Song 0:23 Spizaetus tyrannus (27/7/2002 11:00h, Upper escalera, Bolivar, Venezuela, 05.58N,61.24W) © Peter Boesman

0383 4 Black Hawk-Eagle 4 Song 0:23 Spizaetus tyrannus (19/1/2005 09:30h, Carajás, Salobo area, Pará, Brazil, 05.55S,50.30W) © Peter Boesman.

0384 1 Black-and-white Hawk-Eagle 1 Call () 0:21 Spizaetus melanoleucus. (13-04-2009 14:35h, Amazonia Lodge, Manu, Madre de Dios, Peru, 550m,S12.51'57" W71.22'11"). Single bird soaring being harassed by a Falco sp.. (Background: Rusty-belted Tapaculo). © David Geale.

0385 1 Ornate Hawk-Eagle 1 Song 0:49 Spizaetus ornatus (24/1/1996 , Fortuna area, Panama,) © Dodge Engleman

0385 2 Ornate Hawk-Eagle 2 Song 0:39 Spizaetus ornatus (23/7/2005 14:00h, Rio Cristalino Jungle Lodge, Mato Grosso, Brazil, 09.27S,55.54W) © Peter Boesman

0385 3 Ornate Hawk-Eagle 3 Song 0:29 Spizaetus ornatus (26/3/1995 09:00h, Rancho Grande area, Aragua, Venezuela, 10.21N,67.42W) © Peter Boesman.

0385 4 Ornate Hawk-Eagle 4 Call 0:44 Spizaetus ornatus. (18-05-2003 09:00h, Manu Wildlife Center, Madre de Dios, Peru, 300m, S12.23'57" W70.42'7"). Calls from adult on nest. © Nick Athanas.

0386 1 Black-and-chestnut Eagle 1 Call 2:10 Spizaetus isidori. Tandayapa Valley, Pichincha, Ecuador, 1700m, 11:00h, 05-09-2010, S0.10° W78.41'0", Calls from an adult (female?) at a nest © Andrew Spencer.

0387 1 Laughing Falcon 1 Song 0:16 Herpetotheres cachinnans (11/1/2005 09:30h, Carajás, Aguas Claras area, Pará, Brazil, 06.00S,50.30W) © Peter Boesman

0387 2 Laughing Falcon 2 Song 0:28 Herpetotheres cachinnans (23/12/1991 10:30h, Carara NP, Puntarenas, Costa Rica, 09.45N,84.40W) © Peter Boesman

0387 3 Laughing Falcon 3 Song 1:42 Herpetotheres cachinnans (2/8/2003 18:00h, Tucupita area, Delta Amac, Venezuela, 09.08N,62.04W) © Peter Boesman

0387 4 Laughing Falcon 4 Song 0:36 Herpetotheres cachinnans (27/7/2004, Arraial do Cabo, Rio de Janeiro, Brazil, 22.57S,42.02W) © Peter Boesman

0387 5 Laughing Falcon 5 Laugh 0:07 Herpetotheres cachinnans. (24th March 2010 06h30, Guacimo road north of Tarcoles river, 10m elev., Puntarenas, Costa Rica). Large duck or goose in flight. © Peter Boesman.

0388 1 Barred Forest-Falcon 1 Song 0:49 Micrastur ruficollis (22/7/2005 07:15h, Rio Cristalino Jungle Lodge, Mato Grosso, Brazil, 09.27S,55.54W) © Peter Boesman

0388 2 Barred Forest-Falcon 2 Song 0:35 Micrastur ruficollis (31/7/2002 07:30h, El Pauji road, Bolivar, Venezuela, 04.36N,61.30W) © Peter Boesman

0388 3 Barred Forest-Falcon 3 Song 0:17 Micrastur ruficollis (10/12/1999 , Km 67 area, Bolivar, Venezuela, 06.18N,61.16W) © Mark Van Beirs

0388 4 Barred Forest-Falcon 4 Long song 0:20 Micrastur ruficollis (6/5/1997 07:00h, Montalban La Rosa Mountains, Carabobo, Venezuela, 10.15N,68.18W) © Peter Boesman

0388 5 Barred Forest-Falcon 5 Long song 1:02 Micrastur ruficollis (5/8/2004 06:00h, Intervalles National Park, Sao Paulo, Brazil, 24.20S,48.25W) © Peter Boesman

0388 6 Barred Forest-Falcon 6 Long song 0:22 Micrastur ruficollis (6/5/1997 07:00h, Montalban La Rosa Mountains, Carabobo, Venezuela, 10.15N,68.18W) © Peter Boesman.

0388 7 Barred Forest-Falcon 7 Long song 0:28 Micrastur ruficollis (3/1/1994 05:45h, Santa Marta Lorenzo road, Magdalena, Colombia, 11.00N,73.40W) © Peter Boesman.

0389 1 Plumbeous Forest-Falcon 1 Long song 0:29 Micrastur plumbeus. Reserva Mangaloma, Pichincha, Ecuador, 600m, 11:00h, 26-09-2010, N0.722° W78.59'39", song © Andrew Spencer.

0389 2 Plumbeous Forest-Falcon 2 Short song 0:23 Micrastur plumbeus. Reserva Mangaloma, Pichincha, Ecuador, 600m, 11:00h, 26-09-2010, N0.722° W78.59'39", call © Andrew Spencer.

0390 1 Lined Forest-Falcon 1 Song 0:14 Micrastur gilvicolis (17/4/1994, Rio Grande area, Bolivar, Venezuela, 08.03N,61.40W). © Peter Boesman.

0390 2 Lined Forest-Falcon 2 Aggressive song 0:24 Micrastur gilvicolis. (16-07-08 07:30h, Manu Wildlife Center, Madre de Dios, Peru, 300m). © Fabrice Schmitt.

0392 1 Slaty-backed Forest-Falcon 1 Song 0:27 Micrastur mirandollei (30/10/1993 , Lower Rio Caura area, Bolivar, Venezuela, 07.15N,65.00W) © Peter Boesman

0392 2 Slaty-backed Forest-Falcon 2 Song variant 0:40 Micrastur mirandollei (25/12/1992 , La Selva CR, Heredia, Costa Rica, 10.20N,84.00W) © Peter Boesman

0392 3 Slaty-backed Forest-Falcon 3 Song variant 0:41 Micrastur mirandollei. (Mana, piste ONF Dardanelles, French Guiana, 35m, 22-06-2008, N5.38'59" W63.48'52"). Song, natural recording. © Alexandre Renaudier.

0393 1 Collared Forest-Falcon 1 Song 0:25 Micrastur semitorquatus (1/8/2000 18:00h, Campamento La Trampa, Tachira, Venezuela, 07.55N,71.43W) © Peter Boesman

0393 2 Collared Forest-Falcon 2 Song 0:38 Micrastur semitorquatus (14/3/2000 , Singayta, San Blas, Nayarit, Mexico, 21.32N,105.10W) With 'long song' on background. © Pete Morris

0393 3 Collared Forest-Falcon 3 Song 0:38 Micrastur semitorquatus (26/1/2006 , Junglaven area, Amazonas, Venezuela, 05.00N,66.23W) © Mark Van Beirs.

0393 4 Collared Forest-Falcon 4 Song 0:41 Micrastur semitorquatus (2nd January 2010 18h00, Bosque Bremen, Quindio, Colombia, 4°40'26" N 75°37'5" W). © Peter Boesman.

0393 5 Collared Forest-falcon 5 Song () 0:50 Micrastur semitorquatus (31st January 2011 7h00. RNA Reinita Cielo Azul, San Vicente de Chucurí, Santander, Colombia, 1900m, N.50°47' N, 73.22°30' W), (Background: Wattleed Guan, Three-striped Warbler). © Peter Boesman.

0393 6 Collared Forest-Falcon 6 Long song 0:13 Micrastur semitorquatus (17/4/1994 , Rio Grande area, Bolivar, Venezuela, 08.03N,61.40W) © Peter Boesman.

0394 1 Buckley's Forest-Falcon 1 Song 0:31 Micrastur buckleyi (Yuturi Lodge, Sucumbios, Ecuador, 00.34S,76.01W) © John Moore

0394 2 Buckley's Forest-Falcon 2 Song 0:52 Micrastur buckleyi (25/7/2009 10:00h, Cocha Camungo, Madre de Dios, Peru, 12.25S,70.40W) © Peter Boesman

0394 3 Buckley's Forest-Falcon 3 Song 0:41 Micrastur buckleyi (6th August 2010 17h30, Peruvian side of Rio Javari, Reserva Natural Palmari, Amazonas, Brazil, 50m, 4°17'20" S, 70°17'41" W). © Peter Boesman.

0396 1 Crested Caracara 1 Call 0:15 Caracara cheriway © Paul Schwartz

0396 2 Crested Caracara 2 Call immature 0:13 Caracara cheriway (4/8/2002 08:30h, Laguna Unare, Anzoategui, Venezuela, 10.07N,65.20W) © Peter Boesman

0398 1 Red-throated Caracara 1 Call 0:12 Daptrius americanus (1/11/1993 , Junglaven area, Amazonas, Venezuela, 05.00N,66.23W) © Peter Boesman

0398 2 Red-throated Caracara 2 Call 0:13 Ibycter americanus. Mitu, Vaupes, Colombia, 190m, 11:00h, 08-06-2011, N1.14'45" W70.13'44", Calls from a pair of birds flying over. © Andrew Spencer.

0398 3 Red-throated Caracara 3 Call 0:17 Daptrius americanus (14/2/1994 , Rio Grande area, Bolivar, Venezuela, 08.03N,61.40W) © Peter Boesman.

0398 4 Red-throated Caracara 4 Call 0:39 Daptrius americanus (March 2009, Junglaven area, Amazonas, Venezuela, 05.00N,66.23W) © Hans Matheve

0403 1 Black Caracara 1 Call 1:23 Daptrius ater (19/10/1999 08:30h, San Antonio, Amazonas, Venezuela, 03.28N,66.44W) © Chris Sharpe

0403 2 Black Caracara 2 Call in flight 0:22 Daptrius ater (11/1/2008 11:10h, Morro de Calzada, San Martin, Peru, 06.00S,77.05W) © Peter Boesman

0403 3 Black Caracara 3 Call () 0:16 Daptrius ater (21/10/1994 , Castillos de Guayana area, Delta Amac, Venezuela, 08.31N,62.24W) © Peter Boesman.

0404 1 Yellow-headed Caracara 1 Call 0:12 Milvago chimachima (29/7/2002 06:00h, Gran Sabana northern side, Bolivar, Venezuela, 05.40N,61.20W) © Peter Boesman

0404 2 Yellow-headed Caracara 2 Call 0:39 Milvago chimachima (24/7/2000 13:00h, Dirira National Park, Lara, Venezuela, 09.42N,70.03W) © Peter Boesman

0404 3 Yellow-headed Caracara 3 Call 0:23 Milvago chimachima (3/8/2000 09:00h, Obra la Toma, Tachira, Venezuela, 07.56N,71.43W) © Peter Boesman

0404 4 Yellow-headed Caracara 4 Call 0:33 Milvago chimachima (30/7/2004, Alughas Negras road, Rio de Janeiro, Brazil, 22.25S,44.45W) © Peter Boesman

0404 5 Yellow-headed Caracara 5 Calls flight 0:18 Milvago chimachima (5th January 2010 9h00. Mana Dulce, Tolima, Colombia, 4° 21' 04"N 74° 39' 06"W). (Background: Ruddy Ground Dove). © Peter Boesman.

0407 1 American Kestrel 1 Call 0:21 Falco sparverius (18/2/2007 08:20h, Whitewater Draw NWR, AZ, USA) © Peter Boesman

0407 2 American Kestrel 2 Call 0:35 Falco sparverius. Finca La Carbonera (canon del rio Toche), Tolima, Colombia, 2900m, 08:29h, 28-09-1998, © Bernabe Lopez-Lanus.

0409 1 Bat Falcon 1 Call 0:22 Falco ruficularis (8/4/2003 09:00h, Palenque ruins, Chiapas, Mexico, 17.22N,92.00W) © Peter Boesman

0409 2 Bat Falcon 2 Call 0:28 Falco ruficularis (17/1/2005, Carajás, Salobo area, Pará, Brazil, 05.55S,50.30W) © Peter Boesman

0409 3 Bat Falcon 3 Call 0:22 Falco ruficularis (7/6/2000 10:00h, El Salto area, San Luis Potosí, Mexico, 22.33N,99.20W) © Peter Boesman

0409 4 Bat Falcon 4 Call 0:59 Falco ruficularis (7/6/2000 10:00h, El Salto area, San Luis Potosí, Mexico, 22.33N,99.20W) © Peter Boesman

0409 5 Bat Falcon 5 Call 0:09 Falco ruficularis (22/7/2003 08:00h, Casa Maria, Carabobo, Venezuela, 10.19N,68.15W) © Peter Boesman.

0409 6 Bat Falcon 6 Call () 0:24 Falco ruficularis (23/7/2002 18:30h, Rio Grande area, Bolivar, Venezuela, 08.03N,61.40W) © Peter Boesman.

0410 1 Orange-breasted Falcon 1 Call 0:09 Falco deiroleucus (June 1999. Km 13 on Narupa - Loreto road, Napo, Ecuador. 950 - 1350 m. 0°43' S, 77°44' W). Flight calls of soaring bird. John V. Moore.

0410 2 Orange-breasted Falcon 2 Call 0:08 Falco deiroleucus. (Loreto Road, Napo, Ecuador, 1350m, 13:00h, 01-12-2010, S0.41'45" W77.43'49"). © Andrew Spencer.

0410 3 Orange-breasted Falcon 3 Call 0:39 Falco deiroleucus. (Cerro Roraima, Bolivar, Venezuela, 2450m, 11:30h, 03-07-2008). Calls from one individual of a trio that was in the same area for a few days. © Andrew Spencer.

0411 1 Aplomado Falcon 1 Call 0:28 Falco femoralis (7/1/2008 11:00h, Abra Barra Negro, Amazonas, Peru, 06.46S,77.50W) © Peter Boesman

0411 2 Aplomado Falcon 2 Call 0:08 Falco femoralis (1/3/1997 , Hato El Cedral area, Apure, Venezuela, 07.30N,69.17W) © Gustavo Rodriguez.

0411 3 Aplomado Falcon 3 Call 0:18 Falco femoralis (7/4/2003 17:45h, Libertad road, Chiapas, Mexico, 17.30N,91.42W) © Peter Boesman.

0412 1 Peregrine Falcon 1 Call 0:16 Falco peregrinus. (November 2003. Salinas, Guayas, Ecuador. 10 m. 2°18' S, 80°55' W). A single perched bird. John V. Moore.

0412 2 Peregrine Falcon 2 Call 0:21 Falco peregrinus tundrius. (Mana, village, French Guiana, 2m, 28-11-2009). Call at rest, natural recording; perched on a pylon. © Alexandre Renaudier.

0413 1 Limpkin 1 Call 0:16 Aramus guarana (19/10/1994 08:00h, Boca de Macareo, Delta Amacuro, Venezuela, 09.04N,62.03W) © Peter Boesman

0413 2 Limpkin 2 Call 0:24 Aramus guarana (28/7/2005 08:30h, Transpantaneira, Mato Grosso, Brazil, 17.00S,57.00W) © Peter Boesman

0413 3 Limpkin 3 Call 0:17 Aramus guarana (11/6/1995 17:00h, San Pablo marsh, Carabobo, Venezuela, 10.31N,68.22W) © Peter Boesman.

0413 4 Limpkin 4 Call 0:30 Aramus guarana (28/7/2003 16:30h, Finca Vuelta Larga, Sucre, Venezuela, 10.30N,63.00W) © Peter Boesman.

0413 5 Limpkin 5 Call 0:17 Aramus guarana (29/7/2003 07:30h, Finca Vuelta Larga, Sucre, Venezuela, 10.30N,63.00W) © Peter Boesman.

0414 1 Gray-winged Trumpeter 1 Song and call 0:35 Psophia crepitans (26/1/2006 , Junglaven area, Amazonas, Venezuela, 05.00N,66.23W) © Mark Van Beirs

0414 2 Gray-winged Trumpeter 2 Song and call 0:46 Psophia crepitans (21/10/1994 08:45h, Km 85 area, Bolivar, Venezuela, 06.12N,61.23W) © Peter Boesman

0414 3 Gray-winged Trumpeter 3 Song and call 0:23 Psophia crepitans (3/11/1993 , Lower Rio Caura area, Bolivar, Venezuela, 07.15N,65.00W) © Peter Boesman.

0414 4 Gray-winged Trumpeter 4 Calls 0:14 Psophia crepitans (26th July 2010 12h00, Explornapo, Loreto, Peru, 120 m. 3°10' S, 72°55' W). Domesticated bird. © Peter Boesman.

0415 1 Pale-winged Trumpeter 1 Song 0:37 Psophia leucoptera. (07-09-08 16:30h, Cocha Salvador, Manu NP, Madre de Dios, Peru, 320m). Song after playback. © Fabrice Schmitt.

0415 2 Pale-winged Trumpeter 2 Call 0:27 Psophia leucoptera. (11-02-199 17:58h, Serrania Pilon, Pilon Lajas Biosphere Reserve, Beni, Bolivia, 8, S15.71° W67.758°). Two birds. At 900 m. © A. Bennett Hennessey.

0415 3 Pale-winged Trumpeter 3 Call 0:14 Psophia leucoptera (27-05-2003 06:30h, Amazonia Lodge, Alto Madre de Dios, Peru, 700m), © Nick Athanas.

0418 1 Ocellated Crake 1 Song 0:30 Micropygia schomburgkii (28/7/2002 08:00h, Gran Sabana southern side, Bolivar, Venezuela, 04.59N,60.50W) © Peter Boesman

0418 2 Ocellated Crake 2 Song 0:09 Micropygia schomburgkii (6/8/2002 11:00h, Cerro de Paja, Carabobo, Venezuela, 10.18N,68.15W) © Peter Boesman

0419 1 Clapper Rail 1 Song 1:53 Rallus longirostris (14/2/2007 08:05h, Salton Sea, CA, USA) © Peter Boesman

0419 2 Clapper Rail 2 Duet song 0:43 Rallus longirostris (12/2/2007 09:51h, San Diego area, CA, USA) © Peter Boesman

0419 3 Clapper Rail 3 Duet song 0:12 Rallus longirostris longirostris. (Awala-Yalimapo, Pointe Isere, French Guiana, 1m) Call by 2 birds, natural recording. (Background: Great Kiskadee). © Alexandre Renaudier.

0421 1 Virginia Rail 1 Song 0:10 Rallus limicola aequatorialis. Lago San Pablo, Otavalo, Imbabura, Ecuador, 2600m, 07:00h, 26-02-2011, N0.12'50" W78.14'16", Song duet from a pair of birds in response to playback © Andrew Spencer.

0422 1 Bogota Rail 1 Song 0:19 Rallus semiplumbeus. Parque La Florida, Bogota, Colombia, 2600m, 10:00h, 18-06-2010, N4.43'47" W74.8'8", song © Andrew Spencer.

0422 2 Bogota Rail 2 Song 0:10 Rallus semiplumbeus semiplumbeus. Humedal de La Conejera (Bogota), Cundinamarca, Colombia, 2600m, amh, 20-08-1999. Song © Bernabe Lopez-Lanus.

0422 3 Bogota Rail 3 Call 0:02 Rallus semiplumbeus semiplumbeus. Humedal de La Conejera (Bogota), Cundinamarca, Colombia, 2600m, amh, 03-11-2000, Alarm call © Bernabe Lopez-Lanus.

0425 1 Brown Wood-Rail 1 Duet 0:40 Aramides wofli. Rio Silanche, Pedro Vicente Maldonado, Pichincha, Ecuador, 400m, 06:45h, 16-07-2002, N0.8'35" W79.8'0", Duet from pair © Nick Athanas.

0425 2 Brown Wood-Rail 2 Call 0:35 Aramides wofli. Humedal del Yalare, Esmeraldas, Ecuador, 50m, 08:00h, 11-07-2010, N1.6'0" W78.51'00", call © Andrew Spencer.

0427 1 Gray-necked Wood-Rail 1 Song 2:57 Aramides cajanea (26/7/2007 20:00h, Palmichal area, Carabobo, Venezuela, 10.21N,68.12W) © Peter Boesman

0427 2 Gray-necked Wood-Rail 2 Song 0:26 Aramides cajanea (30/10/1993 , Lower Rio Caura area, Bolivar, Venezuela, 07.15N,65.00W) © Peter Boesman.

0427 3 Gray-necked Wood-Rail 3 Song 0:23 Aramides cajanea (27/5/1995 07:00h, Guatapar area, Carabobo, Venezuela, 10.13N,68.05W) © Peter Boesman.

0427 4 Gray-necked Wood-Rail 4 Pumping 0:21 Aramides cajanea (17/4/1994 , Rio Grande area, Bolivar, Venezuela, 08.03N,61.40W) © Peter Boesman.

0428 1 Rufous-necked Wood-Rail 1 Song 0:12 Aramides axillaris © Paul Schwartz

0428 2 Rufous-necked Wood-Rail 2 Song 0:05 Aramides axillaris (0/1/1900 , Zero Location, , ,) © Paul Schwartz.

0431 1 Uniform Crake 1 Song 0:46 Amaurolimnas concolor (6/4/2003 18:30h, Las Choapas, Vera Cruz, Mexico, 17.45N,94.00W) © Peter Boesman

0431 2 Uniform Crake 2 Song 1:05 Amaurolimnas concolor (21/7/2009 15:00h, Manu Amazonia Lodge, Cuzco, Peru, 12.50S,71.15W) © Peter Boesman

0431 3 Uniform Crake 3 Song () 0:14 Amaurolimnas concolor (13/8/2004 17:00h, Ubatuba - Pica Pau area, Sao Paulo, Brazil, 23.24S,45.05W) © Peter Boesman.

0432 1 Chestnut-headed Crake 1 Song 1:11 Anurolimnas castaneiceps (23/7/2009 14:00h, Amazon Manu Lodge, Madre de Dios, Peru, 12.18S,70.48W) © Peter Boesman

0432 2 Chestnut-headed Crake 2 Song 0:39 Anurolimnas castaneiceps (19th July 2010 17h00, Allpahuayo - Mishana Reserve, Loreto, Peru, 120m, S3.50'0" W73.15'0"). © Peter Boesman.

0432 3 Chestnut-headed Crake 3 Duet 1:58 Anurolimnas castaneiceps (23/7/2009 14:00h, Amazon Manu Lodge, Madre de Dios, Peru, 12.18S,70.48W) © Peter Boesman

0432 4 Chestnut-headed Crake 4 Duet 1:40 Anurolimnas castaneiceps (19th July 2010 17h00, Allpahuayo - Mishana Reserve, Loreto, Peru, 120m, S3.50'0" W73.15'0"). (Background: White-eyed Parakeet). © Peter Boesman.

0432 5 Chestnut-headed Crake 5 Bill snapping 0:33 Anurolimnas castaneiceps (23/7/2009 14:00h, Amazon Manu Lodge, Madre de Dios, Peru, 12.18S,70.48W) © Peter Boesman

0432 6 Chestnut-headed Crake 6 Chucks and purring 0:36 Anurolimnas castaneiceps (19th July 2010 17h00, Allpahuayo - Mishana Reserve, Loreto, Peru, 120m, S3.50'0" W73.15'0"). (Background: White-eyed Parakeet, Silverbeak). © Peter Boesman.

0433 1 Russet-crowned Crake 1 Song 1:38 Anurolimnas virescens (21/1/2005, Carajás, Salobo area, Pará, Brazil, 05.55S,50.30W) © Peter Boesman

0433 2 Russet-crowned Crane 2 Song
0433 3 Russet-crowned Crane 3 Song
0433 4 Russet-crowned Crane 4 Song
0433 5 Russet-crowned Crane 5 Call
0434 2 Black-banded Crane 1 Song
0434 2 Black-banded Crane 2 Short song
0436 1 Rufous-sided Crane 1 Song
0436 2 Rufous-sided Crane 2 Song
0436 3 Rufous-sided Crane 3 Call
0437 1 White-throated Crane 1 song
0437 2 White-throated Crane 2 Song
0437 3 White-throated Crane 3 Song
0438 1 Gray-breasted Crane 1 Song
0438 2 Gray-breasted Crane 2 Song
0438 3 Gray-breasted Crane 3 Song
0438 4 Gray-breasted Crane 4 Call
0438 5 Gray-breasted Crane 5 Call
0443 1 Yellow-breasted Crane 1 Call
0445 1 Ash-throated Crane 1 Duet
0445 2 Ash-throated Crane 2 Song
0445 3 Ash-throated Crane 3 Song
0445 4 Ash-throated Crane 4 Call
0445 5 Ash-throated Crane 5 Call
0446 1 Sora 1 Song
0446 2 Sora 2 Call
0446 3 Sora 3 Call
0448 1 Paint-billed Crane 1 Song
0448 2 Paint-billed Crane 2 Song
0448 3 Paint-billed Crane 3 Pumping
0448 4 Paint-billed Crane 4 Pumping
0448 5 Paint-billed Crane 5 Pumping purring and song
0448 6 Paint-billed Crane 6 Pumping purring and song
0448 7 Paint-billed Crane 7 Pumping and song
0448 8 Paint-billed Crane 8 Calls
0449 1 Spotted Rail 1 Call
0449 2 Spotted Rail 2 Call
0450 1 Blackish Rail 1 Song
0450 2 Blackish Rail 2 Song
0450 3 Blackish Rail 3 Purring and Song
0450 4 Blackish Rail 4 Call
0452 1 Common Gallinule 1 Call
0452 2 Common Gallinule 2 Call
0454 1 Spot-flanked Gallinule 1 Call
0454 2 Spot-flanked Gallinule 2 Call
0454 3 Spot-flanked Gallinule 3 Call
0455 1 Purple Gallinule 1 Call
0455 2 Purple Gallinule 2 Call
0455 3 Purple Gallinule 3 Call
0455 4 Purple Gallinule 4 Call
0456 1 Azure Gallinule 1 Call
0456 2 Azure Gallinule 2 Call
0461 1 Caribbean Coot 1 Call
0461 2 Caribbean Coot 2 Call
0461 3 Caribbean Coot 3 Call pulli
0462 1 American Coot 1 Call
0462 2 American Coot 2 Call
0462 3 American Coot 3 Call
0462 4 American Coot 4 Call
0462 5 American Coot 5 High call
0463 1 Slate-colored Coot 1 Call
0463 2 Slate-colored Coot 2 Call
0465 1 Sungrebe 1 Song
0465 2 Sungrebe 2 Call
0:36 Anuroilmnas viridis (1/1/2008 11:45h, Morro de Calzada, San Martín, Peru, 06.00S,77.05W) © Peter Boesman
0:41 Anuroilmnas viridis (25/7/2002 17:00h, Soldier's Monument area, Bolívar, Venezuela, 05.54N,61.26W) © Peter Boesman
0:38 Anuroilmnas viridis (March 2009, Soldier's Monument area, Bolívar, Venezuela, 05.54N,61.26W) © Hans Matheve
1:52 Anuroilmnas viridis (7/2/2004 06:30h, Sao Francisco do Conde, Bahia, Brazil, 12.37S,38.42W) © Peter Boesman
0:18 Anuroilmnas fasciatus. (10-05-2007 06:58h, Shiripuno, Huarani reserve, border of Orellana and Pastaza, Ecuador, 220m, S1.100° W76.400°). Response to playback. © Nick Athanas.
0:32 Anuroilmnas fasciatus. (29th July 2010 8h30, Padre Island near Cumaceba lodge, Loreto, Peru, 3°38' S, 73°08' W). © Peter Boesman.
1:28 Laterallus melanophaius (29/6/1995 08:00h, Manu Amazonia Lodge, Cuzco, Peru, 12.00S,71.00W) © Peter Boesman
0:18 Laterallus melanophaius (2/8/2008 12:30h, Villa Rica Coffee plantations, Pasco, Peru, 10.40S,75.20W) © Peter Boesman
0:12 Laterallus melanophaius (7/4/2005 16:30h, Reserva Ecologica de Guapiassu, Rio de Janeiro, Brazil, 22.24S,42.44W) © Nick Athanas
0:52 Laterallus albigularis (5th January 2010 16h00. Laguna Pedro Palo, Cundinamarca, Colombia, 4°41' 0"N 74°23' 21"W). © Peter Boesman.
0:43 Laterallus albigularis (5th January 2010 16h00. Laguna Pedro Palo, Cundinamarca, Colombia, 4°41' 0"N 74°23' 21"W). © Peter Boesman.
0:37 Laterallus albigularis. (22nd March 2010 06h10, Esquinas lodge, 100m elev., Piedras Blancas NP, Puntarenas, Costa Rica). (Background: Striped Cuckoo, Red-breasted Blackbird). © Peter Boesman.
1:16 Laterallus exilis (11/1/2005 15:00h, Carajás, Aguas Claras area, Pará, Brazil, 06.00S,50.30W) © Peter Boesman
1:07 Laterallus exilis (28/7/2005 16:00h, Pantanal, Porto Jofre area, Mato Grosso, Brazil, 17.25S,56.45W) © Peter Boesman
0:12 Laterallus exilis (26th July 2010 16h30, Explomapo, Loreto, Peru, 120 m. 3°10' S, 72°55' W). © Peter Boesman.
0:45 Laterallus exilis (20/7/2006 17:30h, Cucuy road north of Sao Gabriel da Cachoeira, Amazonas, Brazil, 00.01N,66.30W) © Peter Boesman
1:00 Laterallus exilis (29/7/2005 11:30h, Transpantaneira, Mato Grosso, Brazil, 17.00S,57.00W) © Peter Boesman.
0:04 Porzana flaviventer (Saladillo (c.6km to the NW), provincia Buenos Aires, Argentina, 45m, 07-12-2002, S35.363° W59.51°10'), At least one individual with nest (eggs) at the same place. I didn't see the bird calling. © Bernabe Lopez-Lanus.
0:42 Porzana albicollis (28/7/2002 07:00h, Gran Sabana southern side, Bolívar, Venezuela, 04.59N,60.50W) © Peter Boesman
0:53 Porzana albicollis (30th January 2011 17h00. RNA Reinita Cielo Azul, San Vicente de Chucurí, Santander, Colombia, 1900m, N.50°47' N, 73.22°30' W), © Peter Boesman.
2:16 Porzana albicollis (18/7/2003 , Emas National Park, Goiás, Brazil, 18.00S,53.00W) © Mark Van Beirs.
0:28 Porzana albicollis (30th January 2011 17h00. RNA Reinita Cielo Azul, San Vicente de Chucurí, Santander, Colombia, 1900m, N.50°47' N, 73.22°30' W), © Peter Boesman.
0:27 Porzana albicollis (17/1/2005 08:30h, Carajás, Salobo area, Pará, Brazil, 05.55S,50.30W) © Peter Boesman.
0:07 Porzana carolina (14/2/2007 16:00h, Salton Sea, CA, , USA,) © Peter Boesman.
0:11 Porzana carolina (14/2/2007 08:00h, Salton Sea, CA, , USA,) © Peter Boesman.
0:02 Porzana carolina (8/4/1999 07:00h, Anahuac NWR, TX, , USA,) © Peter Boesman.
0:13 Neocrex erythrops (2/8/2003 17:00h, Tucupita area, Delta Amac, Venezuela, 09.08N,62.04W) © Peter Boesman.
0:22 Neocrex erythrops (2/8/2003 17:00h, Tucupita area, Delta Amac, Venezuela, 09.08N,62.04W) © Peter Boesman.
0:35 Neocrex erythrops (2/8/2003 17:15h, Tucupita area, Delta Amac, Venezuela, 09.08N,62.04W) © Peter Boesman.
0:09 Neocrex erythrops (26/12/2007 18:10h, Jaén area, Cajamarca, Peru, 05.40S,78.50W) © Peter Boesman.
1:25 Neocrex erythrops (2/8/2003 17:00h, Tucupita area, Delta Amac, Venezuela, 09.08N,62.04W) © Peter Boesman
0:32 Neocrex erythrops (2/8/2003 17:15h, Tucupita area, Delta Amac, Venezuela, 09.08N,62.04W) © Peter Boesman.
1:04 Neocrex erythrops (2/8/2003 17:00h, Tucupita area, Delta Amac, Venezuela, 09.08N,62.04W) © Peter Boesman.
0:25 Neocrex erythrops (26/12/2007 18:10h, Jaén area, Cajamarca, Peru, 05.40S,78.50W) © Peter Boesman
0:11 Pardirallus maculatus (1/1/2008 18:45h, Tarapoto, San Martín, Peru, 06.30S,76.20W) © Peter Boesman
0:55 Pardirallus maculatus (1/1/2008 18:45h, Tarapoto, San Martín, Peru, 06.30S,76.20W) © Peter Boesman
1:34 Pardirallus nigricans (2/8/2004 16:30h, Serra da Canastra, Minas Gerais, Brazil, 20.15S,46.37W) © Peter Boesman
1:23 Pardirallus nigricans (5/2/2004, Boa Nova humid area, Bahia, Brazil, 14.30S,40.05W) © Peter Boesman
0:24 Pardirallus nigricans (1/7/1995 07:00h, Manu Amazonia Lodge, Cuzco, Peru, 12.00S,71.00W) © Peter Boesman
1:00 Pardirallus nigricans (2/8/2008 12:30h, Villa Rica Coffee plantations, Pasco, Peru, 10.40S,75.20W) © Peter Boesman
0:05 Gallinula chloropus (16/3/1997 11:00h, Canoabo area, Carabobo, Venezuela, 10.20N,68.18W) © Peter Boesman
0:13 Gallinula chloropus (16/3/1997 11:00h, Canoabo area, Carabobo, Venezuela, 10.20N,68.18W) © Peter Boesman.
0:13 Gallinula melanops crassirostris. (La Rinconada (3km al SW de Saladillo), Saladillo, Buenos Aires, Argentina, 45m, 13-10-2001). © Bernabe Lopez-Lanus.
0:11 Gallinula melanops crassirostris. (La Rinconada (3km al SW de Saladillo), Saladillo, Buenos Aires, Argentina, 45m, 13-10-2001). Very sporadic 'song'. © Bernabe Lopez-Lanus.
0:07 Gallinula melanops bogotensis. Finca El Emporio (represa), Villa de Leyva, Boyaca, Colombia, pmh, 04-06-2002, Song, Very sporadic sound © Bernabe Lopez-Lanus.
0:11 Porphyrio martinica (23/7/2002 18:30h, Rio Grande area, Bolívar, Venezuela, 08.03N,61.40W) © Peter Boesman
0:09 Porphyrio martinica (1/8/2003 17:00h, Represa El Guamo, Monagas, Venezuela, 10.05N,63.40W) © Peter Boesman
0:06 Porphyrio martinica (2/8/2008 12:30h, Villa Rica Coffee plantations, Pasco, Peru, 10.40S,75.20W) © Peter Boesman
0:15 Porphyrio martinica (2/8/2008 12:30h, Villa Rica Coffee plantations, Pasco, Peru, 10.40S,75.20W) © Peter Boesman
0:08 Porphyrio flavirostris (1/7/1996 , Hato El Cedral area, Apure, Venezuela, 07.30N,69.17W) © Gustavo Rodriguez
0:19 Venezuela, Delta Amacuro. © Alexandre Renaudier.
0:09 Fulica caribaea (8/3/1997 12:00h, Yacambu NP, Lara, Venezuela, 09.43N,69.35W) © Peter Boesman
0:08 Fulica caribaea (8/3/1997 12:00h, Yacambu NP, Lara, Venezuela, 09.43N,69.35W) © Peter Boesman.
0:12 Fulica caribaea (5/7/1996 07:30h, Yacambu NP, Lara, Venezuela, 09.43N,69.35W) © Peter Boesman.
0:09 Fulica americana (17/2/2007 06:15h, Patagonia State Park, AZ, , USA,) © Peter Boesman.
0:14 Fulica americana (17/2/2007 06:40h, Patagonia State Park, AZ, , USA,) © Peter Boesman.
0:10 Fulica americana. Humedal Laguna del Neuta, Soacha, Cundinamarca, Colombia, 2600m, 25-05-2003, Call © Bernabe Lopez-Lanus.
0:06 Fulica americana. Humedal Laguna del Neuta, Soacha, Cundinamarca, Colombia, 2600m, 25-05-2003, Call © Bernabe Lopez-Lanus.
0:05 Fulica americana (19/4/2003 08:00h, Almoloya marshes, México, Mexico, 19.25N,99.30W) © Peter Boesman.
0:14 Fulica ardesiaca (1/8/2008 05:30h, Junin Lake, Junin, Peru, 11.00S,76.05W) © Peter Boesman.
1:02 Fulica ardesiaca (1/8/2008 05:45h, Junin Lake, Junin, Peru, 11.00S,76.05W) © Peter Boesman.
0:38 Heliornis fulica (Macouria river, Macouria, French Guiana, 3m, 26-01-10). Song, after playback. © Alexandre Renaudier.
0:18 Heliornis fulica (Yuturi Lodge, Sucumbios, Ecuador, 00.34S,76.01W) © John Moore

0465 3 Sungrebe 3 Call

0466 1 Sunbittern 1 Song

0466 2 Sunbittern 2 Call

0466 3 Sunbittern 3 Call

0469 1 Pied Lapwing 1 Call

0469 2 Pied Lapwing 2 Call

0470 1 Southern Lapwing 1 Call

0470 2 Southern Lapwing 2 Call

0470 3 Southern Lapwing 3 Call

0470 4 Southern Lapwing 4 Call

0471 1 Andean Lapwing 1 Call

0471 2 Andean Lapwing 2 Call

0471 3 Andean Lapwing 3 Call

0472 1 American Golden-Plover 1 Call flight

0472 2 American Golden-Plover 2 Call flight

0472 3 American Golden-Plover 3 Calls

0473 1 Black-bellied Plover 1 Call flight

0473 2 Black-bellied Plover 2 Call

0473 3 Black-bellied Plover 3 Call

0474 1 Semipalmated Plover 1 Call

0476 1 Wilson's Plover 1 Call

0476 2 Wilson's Plover 2 Calls

0476 3 Wilson's Plover 3 Call

0477 1 Killdeer 1 Call

0477 2 Killdeer 2 Call

0478 1 Snowy Plover 1 Call

0478 2 Snowy Plover 2 Call and rattle

0479 1 Collared Plover 1 Call

0479 2 Collared Plover 2 Call

0479 3 Collared Plover 3 Call

0485 1 American Oystercatcher 1 Call

0488 1 Black-necked Stilt 1 Call

0488 2 Black-necked Stilt 2 Call

0488 3 Black-necked Stilt 3 Call

0488 4 Black-necked Stilt 4 Call

0491 1 Double-striped Thick-knee 1 Call

0491 2 Double-striped Thick-knee 2 Call

0495 1 Wilson's Snipe 1 Call flight

0496 1 South American Snipe 1 Display sound

0496 2 South American Snipe 2 Display sound

0496 3 South American Snipe 3 Ground song

0496 4 South American Snipe 4 Ground song

0496 5 South American Snipe 5 Call

0496 6 South American Snipe 6 Call flight

0498 1 Noble Snipe 1 Song

0498 2 Noble Snipe 2 Song ()

0498 3 Noble Snipe 3 Call flight

0498 4 Noble Snipe 4 Call flight

0499 1 Giant Snipe 1 Display song

0499 2 Giant Snipe 2 Display song

0499 3 Giant Snipe 3 Display song and ground song

0499 4 Giant Snipe 4 Ground song

0499 5 Giant Snipe 5 Ground song

0499 6 Giant Snipe 6 Call

0500 1 Andean Snipe 1 Display and call

0502 1 Imperial Snipe 1 Display

0504 1 Long-billed Dowitcher 1 call

0506 1 Hudsonian Godwit 1 Call

0506 2 Hudsonian Godwit 2 Call

0508 1 Marbled Godwit 1 Call

0510 1 Whimbrel 1 Call

0510 2 Whimbrel 2 Call

0511 1 Long-billed Curlew 1 Call

0:18 Heliornis fulica (Yuturi Lodge, Sucumbios, Ecuador, 00.34S,76.01W) © John Moore

0:29 Eurypyga helias (4/8/2000 09:00h, San Silvestre road, Barinas, Venezuela, 08.15N,70.06W) © Peter Boesman

0:38 Eurypyga helias © Paul Schwartz

0:40 Eurypyga helias (1/8/2005 08:45h, Pantanal, Pixaim area, Mato Grosso, Brazil, 16.40S,56.50W) © Peter Boesman

0:25 Vanellus cayanus (21/7/2000 15:10h, Hato El Cedral area, Apure, Venezuela, 07.30N,69.17W) © Chris Sharpe

0:07 Vanellus cayanus (22/7/2005 16:00h, Rio Cristalino area, Mato Grosso, Brazil, 09.35S,55.50W) © Peter Boesman

0:23 Vanellus chilensis (24/7/2002 06:30h, Villa Lola area, Bolivar, Venezuela, 07.55N,62.00W) © Peter Boesman

0:31 Vanellus chilensis (29/7/2003 08:00h, Finca Vuelta Larga, Sucre, Venezuela, 10.30N,63.00W) © Peter Boesman

0:19 Vanellus chilensis (9/8/2004, Itapoá - Volta Velha, Santa Catarina, Brazil, 26.07S,48.35W) © Peter Boesman

0:14 Vanellus chilensis (27/11/2004 08:00h, Petrolina area, Pernambuco, Brazil, 09.25S,40.30W) © Peter Boesman.

0:04 Vanellus resplendens (8/8/2008 07:15h, Pomacocha Lake, Junin, Peru, 11.50S,75.15W) © Peter Boesman.

0:13 Vanellus resplendens (9/1/2008 10:00h, Cruz Conga area, Cajamarca, Peru, 07.05S,78.20W) © Peter Boesman.

0:10 Vanellus resplendens (29/7/2008 07:00h, Bosque Unchog, Huánuco, Peru, 09.45S,76.15W) © Peter Boesman.

0:07 Pluvialis dominica (10/4/1998 10:00h, Moffett River Bottoms, OK, USA) © Peter Boesman

0:05 Pluvialis dominica (10/4/1998 10:00h, Moffett River Bottoms, OK, USA) © Peter Boesman

0:39 Pluvialis dominica (5/4/2003 12:00h, Las Barrancas, Vera Cruz, Mexico, 18.48N,96.00W). Large group. © Peter Boesman

0:03 Pluvialis squatarola (17/3/2001 10:00h, Boca del Cielo, Chiapas, Mexico, 16.00N,93.36W) © Peter Boesman

0:05 Pluvialis squatarola (17/11/1996 07:00h, Morrocoy NP, Falcon, Venezuela, 10.51N,68.18W) © Peter Boesman.

0:13 Pluvialis squatarola. Hoofdplaat, Zeeland, Netherlands. 9 September 2007 (8h00). © Peter Boesman.

0:16 Charadrius semipalmatus (8/4/1999 07:00h, Anahuac NWR, TX, USA) © Peter Boesman

0:18 Charadrius wilsonia (8/4/1999 07:00h, Bolivar Flats, TX, USA) © Peter Boesman

0:41 Charadrius wilsonia (28/7/2003 09:00h, Peninsula de Araya, Sucre, Venezuela, 10.40N,63.42W) © Peter Boesman

0:18 Charadrius wilsonia. (Barra Grande, Peninsula de Maraú, BA, Brazil, 1m, 08:48h, 27-09-2007). One bird walking on the beach. © Nick Athanas.

0:30 Charadrius vociferus (20/3/1998 07:00h, Sequoyah NWR, OK, Oklahoma, USA,) © Peter Boesman

0:30 Charadrius vociferus (19/4/2003 09:00h, Almoloya marshes, México, Mexico, 19.25N,99.30W) © Peter Boesman.

1:21 Charadrius alexandrinus (23/7/2008 12:00h, Laguna Paraiso, Lima, Peru, 11.15S,77.40W) © Peter Boesman.

0:23 Charadrius alexandrinus (23/7/2008 12:00h, Laguna Paraiso, Lima, Peru, 11.15S,77.40W) © Peter Boesman.

0:21 Charadrius collaris (21/6/1996 15:00h, Chichiriviche area, Falcon, Venezuela, 10.57N,68.20W) © Peter Boesman

0:03 Charadrius collaris (3/8/2005 08:30h, Mostardas area, Rio Grande do Sul, Brazil, 31.10S,51.00W) © Peter Boesman

0:26 Charadrius collaris (30th July 2010 6h30, Padre Island near Cumaceba lodge, Loreto, Peru, 3°38' S, 73°08' W). © Peter Boesman.

0:14 Haematopus palliatus. (November 2003. Salinas, Guayas, Ecuador. 10 m. 2°18' S, 80°55' W). John V. Moore.

1:09 Himantopus mexicanus (23/7/2008 12:00h, Laguna Paraiso, Lima, Peru, 11.15S,77.40W) © Peter Boesman

0:18 Himantopus mexicanus mexicanus (4/8/2002 07:00h, Laguna Unare, Anzoategui, Venezuela, 10.07N,65.20W) © Peter Boesman

0:24 Himantopus mexicanus (8/8/2000 10:00h, Morrocoy NP, Falcon, Venezuela, 10.51N,68.18W) © Peter Boesman.

0:12 Himantopus mexicanus (8/8/2000 10:00h, Morrocoy NP, Falcon, Venezuela, 10.51N,68.18W) © Peter Boesman.

0:25 Burhinus bistriatus (13/5/1995, Guataparo area, Carabobo, Venezuela, 10.13N,68.05W) © Peter Boesman

1:02 Burhinus bistriatus (13/12/1984 02:00h, Hato El Frio area, Apure, Venezuela, 07.50N,69.00W) © Chris Parrish.

0:17 Gallinago delicata. (Santee National Wildlife Refuge, South Carolina, USA, 30m, 14:30h, 27-03-2007). Calls from a small flock just flushed. also: Common Yellowthroat, Northern Cardinal, Wood Duck © Robin Carter.

0:38 Gallinago paraguaiae (4/8/2005 18:00h, Aparados da Serra, Rio Grande do Sul, Brazil, 29.20S,50.10W) © Peter Boesman

0:54 Gallinago paraguaiae (4/8/2005 18:00h, Aparados da Serra, Rio Grande do Sul, Brazil, 29.20S,50.10W) © Peter Boesman.

0:06 Gallinago paraguaiae (4/8/2005 18:00h, Aparados da Serra, Rio Grande do Sul, Brazil, 29.20S,50.10W) © Peter Boesman

1:07 Gallinago paraguaiae (4/8/2005 18:00h, Aparados da Serra, Rio Grande do Sul, Brazil, 29.20S,50.10W) © Peter Boesman.

0:20 Gallinago paraguaiae. (5 km south of Quinta, RS, Brazil, 5m, 09:51h, 01-08-2008), Male, calling while resting on the ground between display flights. After 9 sec, it takes off and starts roding again. (Background: Southern Screamer). © Nick Athanas.

0:05 Gallinago paraguaiae (Hato El Cedral, Apure, Venezuela). © Hans Matheve;

0:11 Gallinago nobilis. Humedal Laguna del Neuta, Soacha, Cundinamarca, Colombia, 2600m, pmh, 24-05-2003, Song from ground. © Bernabe Lopez-Lanus.

0:18 Gallinago nobilis (8th January 2010 18h40. Rogitama, Cundinamarca, Colombia 5° 47' 44"N 73° 27' 25"W). © Peter Boesman.

0:09 Gallinago nobilis (8th January 2010 18h00. Rogitama, Cundinamarca, Colombia 5° 47' 44"N 73° 27' 25"W). © Peter Boesman.

0:15 Gallinago nobilis. Humedal Laguna del Neuta, Soacha, Cundinamarca, Colombia, 2600m, pmh, 24-05-2003, Alarm call when take off © Bernabe Lopez-Lanus.

1:16 Gallinago undulata (5/8/2005, Aparados da Serra, Rio Grande do Sul, Brazil,) © Peter Boesman

0:08 Gallinago undulata (25/7/2002 18:00h, Gran Sabana northern side, Bolivar, Venezuela, 05.40N,61.20W) © Peter Boesman.

1:19 Gallinago undulata (25/7/2002 18:00h, Gran Sabana northern side, Bolivar, Venezuela, 05.40N,61.20W) © Peter Boesman.

0:22 Gallinago undulata (25/7/2002 18:00h, Gran Sabana northern side, Bolivar, Venezuela, 05.40N,61.20W) © Peter Boesman.

0:10 Gallinago undulata (25/7/2002 18:00h, Gran Sabana northern side, Bolivar, Venezuela, 05.40N,61.20W) © Peter Boesman.

0:33 Gallinago undulata (24/12/1990 01:00h, Soldier's Monument area, Bolivar, Venezuela, 05.54N,61.26W). Call on the ground in the middle of the night. © Peter Boesman.

0:31 Gallinago jamesoni (27/6/1995 05:45h, Manu Andean Slope, Cuzco, Peru, 12.30S,71.30W) © Peter Boesman

0:34 Gallinago imperialis. Yanacocha reserve, Pichincha, Ecuador, 3500m, 05:30h, 07-01-2001, S0.80° W78.35'0", Pre-dawn roding display of two individuals. © Nick Athanas.

0:16 Limodromus scolopaceus (8/4/1999 07:00h, Anahuac NWR, TX, , USA,) © Peter Boesman

0:13 Limosa haemastica. (Estuario arroyo Maldonado, Maldonado, Argentina, 1m, amh, 17-02-2005, N0.0°36' E0.0°36'), Alarm call, when the bird took off. © Bernabe Lopez-Lanus.

0:05 Limosa haemastica. (Chonchi, X Region, Chile, 0m, 08:25h, 07-02-2010). Calls from a flushing bird. © Andrew Spencer

0:24 Limosa fedoa. (Clay County, Minnesota, USA, 19:10h, 13-06-2007). Alarm calls as a bird flew over my head and out into a field. (Background: Killdeer, Western Meadowlark). © Andrew Spencer

0:05 Numenius phaeopus (16/3/2001 16:30h, Puerto Arista, Chiapas, Mexico, 16.03N,93.45W) © Peter Boesman

0:02 Numenius phaeopus (15/8/1998 , Morrocoy NP, Falcon, Venezuela, 10.51N,68.18W) © Gustavo Rodriguez

0:03 Numenius americanus (14/2/2007 11:40h, Salton Sea, CA, , USA,) © Peter Boesman.

0512 1 Upland Sandpiper 1 Call 0:35 *Bartramia longicauda*. (Grand River National Grasslands, Perkins Co., South Dakota, USA, 08:20h, 16-06-2007). Calls. (Background: Western Meadowlark, Chestnut-collared Longspur, Grasshopper Sparrow). © Andrew Spencer.

0512 2 Upland Sandpiper 2 Call 0:11 *Bartramia longicauda*. (Mana, rice fields, French Guiana, 2m, 18-10-2008). Call in flight, natural recording. © Alexandre Renaudier.

0514 1 Spotted Sandpiper 1 Call 0:07 *Actitis macularia* (7/2/2004 05:30h, Sao Francisco do Conde, Bahia, Brazil, 12.37S,38.42W) © Peter Boesman

0514 2 Spotted Sandpiper 2 Call 0:09 *Actitis macularia* (8/8/2000 10:00h, Morrocoy NP, Falcon, Venezuela, 10.51N,68.18W) © Peter Boesman.

0515 1 Greater Yellowlegs 1 Call 0:14 *Tringa melanoleuca* (3/8/2005 07:00h, Mostardas area, Rio Grande do Sul, Brazil, 31.10S,51.00W) © Peter Boesman

0515 2 Greater Yellowlegs 2 Call 0:16 *Tringa melanoleuca* (23/7/2008 12:00h, Laguna Paraiso, Lima, Peru, 11.15S,77.40W) © Peter Boesman

0515 3 Greater Yellowlegs 3 Call 0:17 *Tringa melanoleuca* (8/8/2008 12:00h, Pomacocha Lake, Junín, Peru, 11.50S,75.15W) © Peter Boesman

0516 1 Lesser Yellowlegs 1 Call 0:02 *Tringa flavipes* (10/4/1998 10:00h, Moffett River Bottoms, OK, USA) © Peter Boesman

0516 2 Lesser Yellowlegs 2 Call 0:11 *Tringa flavipes* (7/8/2000 16:00h, Chichiriviche area, Falcon, Venezuela, 10.57N,68.20W) © Peter Boesman

0518 1 Solitary Sandpiper 1 Call 0:06 *Tringa solitaria* (28/3/1997 09:00h, Orinoco river islands, Amazonas, Venezuela, 05.24N,67.46W) © Peter Boesman

0518 2 Solitary Sandpiper 2 Call () 0:03 *Tringa solitaria* (27/1/2004, Petrolina area, Pernambuco, Brazil, 09.25S,40.30W) © Peter Boesman

0519 1 Willet 1 Song 0:06 *Catoptrophorus semipalmatus* (8/4/1999 07:00h, Galveston Island, TX, USA) © Peter Boesman

0519 2 Willet 2 Call 0:04 *Catoptrophorus semipalmatus* (16/3/2001 16:30h, Puerto Arista, Chiapas, Mexico, 16.03N,93.45W) © Peter Boesman

0519 3 Willet 3 Call 0:06 *Catoptrophorus semipalmatus* (16/3/2001 16:30h, Puerto Arista, Chiapas, Mexico, 16.03N,93.45W) © Peter Boesman

0521 1 Ruddy Turnstone 1 Call 0:07 *Arenaria interpres*. Lauwersmeer, Friesland, Nederland. 18 May 2007 (9h20). Four birds in flight. © Peter Boesman.

0525 1 Sanderling 1 Call 0:10 *Calidris alba*. Nummer Een, Zeeland, Nederland. 1 May 2009 (8h00). Single bird in flight. © Peter Boesman.

0526 1 Semipalmated Sandpiper 1 Call () 0:10 *Calidris pusilla* (17/11/1996 07:00h, Morrocoy NP, Falcon, Venezuela, 10.51N,68.18W) © Peter Boesman

0528 1 Least Sandpiper 1 Call 0:04 *Calidris minutilla* (12/3/2001 11:00h, Teotitlan, Oaxaca, Mexico, 17.05N,96.30W) © Peter Boesman

0528 2 Least Sandpiper 2 Call 0:08 *Calidris minutilla* (29/7/2003 08:00h, Finca Vuelta Larga, Sucre, Venezuela, 10.30N,63.00W) © Peter Boesman

0528 3 Least Sandpiper 3 Call 0:03 *Calidris minutilla* (10/8/2000 10:00h, Morrocoy NP, Falcon, Venezuela, 10.51N,68.18W) © Peter Boesman.

0529 1 White-rumped Sandpiper 1 Call 0:18 *Calidris fuscicollis* (24/4/1998 07:00h, Moffett River Bottoms, OK, USA) © Peter Boesman

0530 1 Baird's Sandpiper 1 Call 0:10 *Calidris bairdii* (8/8/2008 12:30h, Pomacocha Lake, Junín, Peru, 11.50S,75.15W) © Peter Boesman

0530 2 Baird's Sandpiper 2 Call 0:11 *Calidris bairdii*. (21-03-2009 11:25h, Laguna Pozuelos, Jujuy, Argentina, 3680m). Calls of 5 birds when flushed. Tape ref. B 250 © Niels Krabbe.

0530 3 Baird's Sandpiper 3 Contact call () 0:13 *Calidris bairdii* (8/8/2008 12:30h, Pomacocha Lake, Junín, Peru, 11.50S,75.15W) © Peter Boesman

0531 1 Pectoral Sandpiper 1 Call 0:06 *Calidris melanotos* (24/4/1998 07:00h, Moffett River Bottoms, OK, USA) © Peter Boesman

0531 2 Pectoral Sandpiper 2 Call 0:06 *Calidris melanotos* (1/4/1999 07:00h, Sequoyah NWR, OK, USA) © Peter Boesman

0532 1 Dunlin 1 Call 0:06 *Calidris alpina*. Lauwersmeer, Friesland, Nederland. 18 Mei 2007 (8h35). © Peter Boesman.

0534 1 Stilt Sandpiper 1 Call 0:04 *Calidris himantopus* (1/3/1997, Hato El Cedral area, Apure, Venezuela, 07.30N,69.17W) © Gustavo Rodriguez

0534 2 Stilt Sandpiper 2 Flight call 0:05 *Calidris himantopus*. (July 1991. Churute mangroves, Guayas, Ecuador. 0 m. 2°24' S, 79°42' W). Niels Krabbe.

0535 1 Buff-breasted Sandpiper 1 Call 0:10 *Tryngites subruficollis*. (Laguna de Rocha (close to laguna Las Nutrias), Rocha, Uruguay, 12m, 24-02-2005). Alarm call. At very short distance from the microphone (1,5 m) when take off © Bernabe Lopez-Lanus.

0537 1 Wilson's Phalarope 1 Call 0:08 *Phalaropus tricolor*. (21-03-2009 11:10h, Laguna Pozuelos, Jujuy, Argentina, 3680m, S22.25°0' W66.0°36'). Flight calls of single bird, Tape ref. B 230, 235 © Niels Krabbe.

0544 1 Wattled Jacana 1 Call 0:24 *Jacana jacana* (24/7/2002 07:00h, Villa Lola area, Bolívar, Venezuela, 07.55N,62.00W) © Peter Boesman

0544 2 Wattled Jacana 2 Call 0:05 *Jacana jacana* (28/7/2005 07:45h, Transpantaneira, Mato Grosso, Brazil, 17.00S,57.00W) © Peter Boesman

0544 3 Wattled Jacana 3 Call 0:10 *Jacana jacana* (25th July 2010 16h30, Explornapo, Loreto, Peru, 120 m. 3°10' S, 72°55' W). © Peter Boesman.

0544 4 Wattled Jacana 4 Call 0:07 *Jacana jacana* (27/7/1996, San Pablo marsh, Carabobo, Venezuela, 10.31N,68.22W) © Peter Boesman.

0544 5 Wattled Jacana 5 Call 0:08 *Jacana jacana* (28/7/2003 17:00h, Finca Vuelta Larga, Sucre, Venezuela, 10.30N,63.00W) © Peter Boesman.

0552 1 Long-tailed Skua 1 Call 2:21 *Stercorarius longicaudus*. Njulla Abisko Lappland, Sweden (800m), 21 June 2008. © Patrik Åberg.

0556 1 Andean Gull 1 Call 0:41 *Chroicocephalus serranus*. Lago Umayo, Puno, Peru, 3900m, 10:00h, 05-11-2009, S15.44°19' W70.11°34', call © Andrew Spencer.

0556 2 Andean Gull 2 Call 1:54 *Chroicocephalus serranus*. Lago Umayo, Puno, Peru, 3900m, 10:00h, 05-11-2009, S15.44°19' W70.11°34', call © Andrew Spencer.

0563 1 Laughing Gull 1 Call 0:08 *Larus atricilla* (8/4/1999 07:00h, Galveston Island, TX, USA) © Peter Boesman

0563 2 Laughing Gull 2 Call 0:17 *Larus atricilla* (17/3/2001 11:30h, Boca del Cielo, Chiapas, Mexico, 16.00N,93.36W) © Peter Boesman

0564 1 Franklin's Gull 1 Call flight 0:10 *Leucophaeus pipixcan*. (November 2003. Salinas, Guayas, Ecuador. 10 m. 2°18' S, 80°55' W). John V. Moore.

0566 1 Belcher's Gull 1 Call 0:59 *Larus belcheri* (11/8/2008 15:00h, Paracas peninsula, Ica, Peru, 13.50S,76.20W) © Peter Boesman.

0568 1 Ring-billed Gull 1 Call 1:39 *Larus delawarensis* (13/2/2007 17:15h, Salton Sea, CA, USA,) © Peter Boesman

0570 1 Lesser Black-backed Gull 1 Call 1:16 *Larus fuscus*. Zeebrugge, West-Vlaanderen, Belgium. 20 May 2007 (8h30). © Peter Boesman.

0570 2 Lesser Black-backed Gull 2 Calls 0:15 *Larus fuscus* (10/8/2001 14:00h, Zeebrugge, , Belgium,) © Peter Boesman.

0571 1 Herring Gull 1 Call 0:10 *Larus argentatus* (10/8/2001 14:00h, Zeebrugge, West-Vlaanderen, Belgium,) © Peter Boesman

0578 1 Least Tern 1 Call 0:05 *Sterna antillarum* (8/4/1999 07:00h, Bolivar Flats, TX, USA) © Peter Boesman

0579 1 Yellow-billed Tern 1 Call 0:07 *Sterna superciliiaris* (25th July 2010 16h30, Explornapo, Loreto, Peru, 120 m. 3°10' S, 72°55' W). © Peter Boesman.

0579 2 Yellow-billed Tern 2 Call 0:39 *Sterna superciliiaris* (25th July 2010 16h30, Explornapo, Loreto, Peru, 120 m. 3°10' S, 72°55' W). © Peter Boesman.

0579 3 Yellow-billed Tern 3 Call 0:08 *Sterna superciliiaris* (3/8/2005, Mostardas area, Rio Grande do Sul, Brazil,) © Peter Boesman

0579 4 Yellow-billed Tern 4 Call 0:11 *Sterna superciliiaris* (4/8/2002 09:00h, Laguna Unare, Anzoategui, Venezuela, 10.07N,65.20W) © Peter Boesman

0581 1 Large-billed Tern 1 Call 0:26 *Phaetusa simplex* (28/7/2005 08:00h, Transpantaneira, Mato Grosso, Brazil, 17.00S,57.00W) © Peter Boesman

0581 2 Large-billed Tern 2 Call 0:20 *Phaetusa simplex* (28/3/1997 08:00h, Orinoco river islands, Amazonas, Venezuela, 05.24N,67.46W) © Peter Boesman

0581 3 Large-billed Tern 3 Call 0:20 *Phaetusa simplex* (22/6/1996 17:15h, Tacarigua dam, Falcon, Venezuela, 11.00N,68.24W) © Peter Boesman

0581 4 Large-billed Tern 4 Interaction calls 1:11 *Phaetusa simplex* (30th July 2010 6h45, Padre Island near Cumaceba lodge, Loreto, Peru, 3°38' S, 73°08' W). © Peter Boesman.

0582 1 Gull-billed Tern 1 Call () 0:05 *Sterna nilotica* (5/4/2003 12:00h, Las Barrancas, Vera Cruz, Mexico, 18.48N,96.00W) © Peter Boesman

0583 1 Caspian Tern 1 Call 0:19 *Sterna caspia* (27/3/2002 17:30h, Manzanillo Airport Marshes, Colima, Mexico, 19.05N,104.24W) © Peter Boesman

0585 1 Black Tern 1 Call 0:48 *Chlidonias niger*. (Zouweboezem, Zuid-Holland, Nederland. 19 May 2007 (6h10). © Peter Boesman.

0586 1 Common Tern 1 Call 0:07 *Sterna hirundo* (10/8/2001 14:00h, Zeebrugge, West-Vlaanderen, Belgium,) © Peter Boesman

0586 2 Common Tern 2 Call 0:12 *Sterna hirundo* (10/8/2001, Zeebrugge, West-Vlaanderen, Belgium,) © Peter Boesman

0588 1 Arctic Tern 1 Calls 2:15 *Sterna paradisaea*. Lauwersmeer, Friesland, Nederland. 18 Mei 2007 (9h30). Pair interacting in flight. © Peter Boesman.

0589 1 South American Tern 1 Call 0:04 *Sterna hirundinacea*. (Alrededores Bahia Los Cauquenes, Ushuaia, Tierra del Fuego, Argentina). Call in flight. © Bernabe Lopez-Lanus.

0593 1 Elegant Tern 1 call 0:23 *Thalasseus elegans*. (16/04/2006, Rio Maipo mouth, Chile). Flying flock of some 60 birds. Fabrice Schmitt.

0594 1 Sandwich Tern 1 Call 0:09 *Sterna sandvicensis* (8/4/1999 07:00h, Bolivar Flats, TX, USA) © Peter Boesman

0595 1 Royal Tern 1 Call 0:10 *Sterna maxima* (8/4/1999 07:00h, Bolivar Flats, TX, USA) © Peter Boesman

0596 1 Black Skimmer 1 Call 0:13 *Rynchops niger* (8/4/1999 07:00h, Galveston Island, TX, USA) © Peter Boesman

0597 1 Common Ground-Dove 1 Song 0:16 *Columbina passerina* (28/7/2003, Peninsula de Araya, Sucre, Venezuela, 10.40N,63.42W) © Peter Boesman

0597 2 Common Ground-Dove 2 Song 0:27 *Columbina passerina albivitta*. Sabana Grande (aprox 20 km al W de la ciudad de Riohacha), Municipio Riohacha, La Guajira, Colombia, 3m, amh, 01-11-2000, Song © Bernabe Lopez-Lanus.

0597 3 Common Ground-Dove 3 Call 0:13 *Columbina passerina* (6/8/2000 08:00h, Quibor - Sanare road, Lara, Venezuela, 09.48N,69.36W) © Peter Boesman.

0598 1 Plain-breasted Ground-Dove 1 Song 1:24 *Columbina minuta* (2/1/2008 06:45h, Quebrada Upaquiuhua, San Martín, Peru, 06.40S,76.25W) © Peter Boesman

0598 2 Plain-breasted Ground-Dove 2 Song 0:56 *Columbina minuta* (5/8/2003 08:00h, Dry forest W of El Palmar, Bolivar, Venezuela, 07.58N,62.13W) © Peter Boesman

0598 3 Plain-breasted Ground-Dove 3 Song 1:37 *Columbina minuta* (27/11/2004, Lagoa Grande area, Pernambuco, Brazil, 09.00S,40.15W) © Peter Boesman

0599 1 Ruddy Ground-Dove 1 Song 0:18 *Columbina talpacoti* (24/7/2002 08:00h, Villa Lola area, Bolivar, Venezuela, 07.55N,62.00W) © Peter Boesman

0599 2 Ruddy Ground-Dove 2 Song 0:17 *Columbina talpacoti* (31/3/2002 07:30h, Singayta, San Blas, Nayarit, Mexico, 21.32N,105.10W) © Peter Boesman

0599 3 Ruddy Ground-Dove 3 Song 0:12 *Columbina talpacoti* (6/11/1994 07:30h, Caño Colorado, Monagas, Venezuela, 09.55N,62.55W) © Peter Boesman.

0600 1 Ecuadorian Ground-Dove 1 Song 0:50 *Columbina buckleyi* (26/12/2007 16:45h, Jaén area, Cajamarca, Peru, 05.40S,78.50W) © Peter Boesman.

0601 1 Scaled Dove 1 Song 0:21 *Columbina squammata* (28/7/2003, Peninsula de Araya, Sucre, Venezuela, 10.40N,63.42W) © Peter Boesman

0601 2 Scaled Dove 2 Song 0:13 *Columbina squammata ridgwayi*. Sabana Grande (aprox 20 km al W de la ciudad de Riohacha), Municipio Riohacha, La Guajira, Colombia, 3m, amh, 01-11-2000, Song © Bernabe Lopez-Lanus.

0601 3 Scaled Dove 3 Call 0:19 *Columbina squammata* (27/7/1996 09:00h, San Pablo marsh, Carabobo, Venezuela, 10.31N,68.22W) © Peter Boesman.

0601 4 Scaled Dove 4 Call 0:26 *Columbina squammata ridgwayi*. Sabana Grande (aprox 20 km al W de la ciudad de Riohacha), Municipio Riohacha, La Guajira, Colombia, 3m, amh, 01-11-2000, Call © Bernabe Lopez-Lanus.

0602 1 Picui Ground-Dove 1 Song 0:33 *Columbina picui* (26/1/2004 05:45h, Canudos, Bahia, Brazil, 11.50S,39.00W) © Peter Boesman

0602 2 Picui Ground-Dove 2 Song 0:21 *Columbina picui* (28/1/2004 06:45h, Lagoa Grande area, Pernambuco, Brazil, 09.00S,40.15W) © Peter Boesman

0603 1 Croaking Ground-Dove 1 Song 0:27 *Columbina cruziana* (23/7/2008 09:00h, Lomas de Lachay, Lima, Peru, 11.20S,77.30W) © Peter Boesman.

0603 2 Croaking Ground-Dove 2 Song 0:24 *Columbina cruziana* (27/12/2007 11:30h, Bagua Chica, Amazonas, Peru, 05.40S,78.35W) © Peter Boesman.

0605 1 Blue Ground-Dove 1 Song 0:38 *Claravis pretiosa* (30/1/2004, Chapada de Araripe, Ceará, Brazil, 07.15S,39.32W) © Peter Boesman

0605 2 Blue Ground-Dove 2 Song 0:37 *Claravis pretiosa* (28/12/1990, Guaniamo area, Bolivar, Venezuela, 06.33N,66.16W) © Peter Boesman

0605 3 Blue Ground-Dove 3 Song 0:40 *Claravis pretiosa* (1/1/2008 07:00h, Morro de Calzada, San Martín, Peru, 06.00S,77.05W) © Peter Boesman

0605 4 Blue Ground-Dove 4 Song 1:30 *Claravis pretiosa* (5/8/2003 08:00h, Dry forest W of El Palmar, Bolivar, Venezuela, 07.58N,62.13W) © Peter Boesman.

0610 1 Black-winged Ground-Dove 1 Song 0:44 *Metriopelia melanoptera*. (08-05-1987, Upper Chuquibamba area, Arequipa, Peru, 3600m, S15.47° W72.40° 0"). Song while walking on ground, Varied scrub. Ref.: NK 1987 1A no. 15 © Niels Krabbe.

0610 2 Black-winged Ground-Dove 2 Wing whirr 0:07 *Metriopelia melanoptera* (1/8/2008 09:00h, Junin Lake, Junin, Peru, 11.00S,76.05W) © Peter Boesman.

0615 1 Scaled Pigeon 1 Song 0:06 *Columba speciosa* (28/3/1997 16:00h, Camturama area, Amazonas, Venezuela, 05.20N,67.42W) © Peter Boesman

0615 2 Scaled Pigeon 2 Song 0:08 *Columba speciosa* (23/7/2002 17:00h, Rio Grande area, Bolivar, Venezuela, 08.03N,61.40W) © Peter Boesman

0615 3 Scaled Pigeon 3 Song 0:27 *Columba speciosa* (31/7/2003 17:00h, Sabana de Piedra - Santa Maria road, Monagas, Venezuela, 10.15N,63.35W) © Peter Boesman

0615 4 Scaled Pigeon 4 Song 0:27 *Columba speciosa* (3/1/2008 16:40h, Morro de Calzada, San Martín, Peru, 06.00S,77.05W) © Peter Boesman

0615 5 Scaled Pigeon 5 Song 1:02 *Patagioenas speciosa*. Reserva La Serrana, municipio de Anorí, Antioquia, Colombia, 06-06-2000, Song © Bernabe Lopez-Lanus.

0618 1 Bare-eyed Pigeon 1 Song 0:59 *Columba corensis* (6/7/1997 16:00h, Foothills of Serranía de San Luis, Falcon, Venezuela, 11.19N,69.36W) © Peter Boesman

0618 2 Bare-eyed Pigeon 2 Song 0:18 *Columba corensis* (28/7/2003 07:15h, Peninsula de Araya, Sucre, Venezuela, 10.40N,63.42W) © Peter Boesman.

0618 3 Bare-eyed Pigeon 3 Song 0:18 *Patagioenas corensis*. Parque Nacional Natural Macuira, Colombia, 500m, 08:00h, 10-7-2005, N12.9°36' W71.19°51', songs © Oswaldo Cortes.

0620 1 Band-tailed Pigeon 1 Song 0:15 *Columba fasciata* (13/4/2003 06:30h, Ocosingo road, Chiapas, Mexico, 16.48N,92.30W) © Peter Boesman

0620 2 Band-tailed Pigeon 2 Song 0:10 *Columba fasciata* (30/3/2000 06:00h, Rio Aberama, SW Guaiquinima, Bolivar, Venezuela, 05.47N,63.42W) © Chris Sharpe

0620 3 Band-tailed Pigeon 3 Song QQ 0:29 *Columba fasciata* (6th February 2011 7h00, Jardín, Antioquia, Colombia 6° 58' 03" N, 75° 31' 38" W). (Background: Striped Treehunter). © Peter Boesman.

0622 1 Pale-vented Pigeon 1 Song 0:24 *Columba cayennensis* (1/8/2004 07:45h, Serra da Canastra, Minas Gerais, Brazil, 20.15S,46.37W) © Peter Boesman

0622 2 Pale-vented Pigeon 2 Song 0:12 *Columba cayennensis* (2/1/2008 06:30h, Quebrada Upaquiuhua, San Martín, Peru, 06.40S,76.25W) © Peter Boesman

0622 3 Pale-vented Pigeon 3 Song 0:26 *Columba cayennensis* (2/1/2008 06:30h, Quebrada Upaquiuhua, San Martín, Peru, 06.40S,76.25W) © Peter Boesman

0622 4 Pale-vented Pigeon 4 Song 0:22 *Columba cayennensis* (17/11/1996 07:00h, Morrocoy NP, Falcon, Venezuela, 10.51N,68.18W) © Peter Boesman.

0622 5 Pale-vented Pigeon 5 Song 0:33 *Columba cayennensis* (29/7/2003 07:00h, Finca Vuelta Larga, Sucre, Venezuela, 10.30N,63.00W) © Peter Boesman.

0624 1 Plumbeous Pigeon 1 Song N 0:12 *Columba plumbea* (26/7/2000 07:00h, Finca Monteverde at Olinda II, Merida, Venezuela, 08.45N,71.28W) © Peter Boesman

0624 2 Plumbeous Pigeon 2 Song N 0:34 *Columba plumbea* (2nd January 2010 14h00, Bosque Bremen, Quindío, Colombia, 4°40'26" N 75°37'5" W). © Peter Boesman.

0624 3 Plumbeous Pigeon 3 Song NW 0:23 *Columba subvinaea* (15/4/1995 09:30h, Darien Cana, Panama, 07.50N,77.40W) © Peter Boesman.

0624 4 Plumbeous Pigeon 4 Song Amazon 0:40 *Columba plumbea* (11th August 2010 9h30, Rio Javari, Reserva Natural Palmari, Amazonas, Brazil, 50m, 4°17'20" S, 70°17'41" W). © Peter Boesman.

0624 5 Plumbeous Pigeon 5 Call 0:19 *Columba plumbea pallescens* (29/12/2007 16:45h, Abra Patricia road, San Martín, Peru, 05.50S,77.46W) © Peter Boesman

0625 1 Ruddy Pigeon 1 Song 0:46 *Columba subvinaea* (4/8/2003, Boca de Macareo, Delta Amac, Venezuela, 09.04N,62.03W) © Peter Boesman

0625 2 Ruddy Pigeon 2 Song 0:13 *Columba subvinaea* (16/7/1994, Caño Colorado, Monagas, Venezuela, 09.55N,62.55W) © Peter Boesman.

0625 3 Ruddy Pigeon 3 Song 0:10 *Columba subvinaea* (26th July 2010 10h00, Explomapo, Loreto, Peru, 120 m, 3°10' S, 72°55' W). © Peter Boesman.

0625 4 Ruddy Pigeon 4 Song 0:50 *Columba subvinaea* (31st January 2011 8h00, RNA Reinita Cielo Azul, San Vicente de Chucurí, Santander, Colombia, 1900m, N.50°47' N, 73.22°30' W), (Background: Collared Forest-falcon, Wattled Guan, Three-striped Warbler). © Peter Boesman.

0625 5 Ruddy Pigeon 5 Call 0:30 *Columba subvinaea* (31/12/2007 11:20h, Abra Patricia road, San Martín, Peru, 05.50S,77.46W) © Peter Boesman

0625 6 Ruddy Pigeon 6 Call 0:54 *Columba subvinaea* (25/7/2007 10:00h, Montalban La Rosa Mountains, Carabobo, Venezuela, 10.15N,68.18W) © Peter Boesman.

0626 1 Short-billed Pigeon 1 song 0:11 *Patagioenas nigrirostris*. (23rd March 2010 05h30, Carara NP area, 10m elev., Puntarenas, Costa Rica). (Background: Chestnut-backed Antbird, Long-billed Gnatwren). © Peter Boesman.

0626 2 Short-billed Pigeon 2 song 0:37 *Patagioenas nigrirostris*. (20th March 2010 10h15, Esquinas lodge, 100m elev., Piedras Blancas NP, Puntarenas, Costa Rica). (Background: Golden-naped Woodpecker, Ruddy-tailed Flycatcher, Rufous Piha). © Peter Boesman.

0626 3 Short-billed Pigeon 3 song 0:35 *Patagioenas nigrirostris*. (14th March 2010 07h45, La Selva biological station, Heredia, Costa Rica). (Background: Bright-rumped Attila, Rufous Mourner). © Peter Boesman.

0626 4 Short-billed Pigeon 4 Song 0:21 *Columba nigrirostris* (16/4/1995 08:00h, Nusagandi NP, Panama, 09.20N,78.50W) © Peter Boesman.

0626 5 Short-billed Pigeon 5 call 0:12 *Patagioenas nigrirostris*. (21st March 2010 06h30, Esquinas lodge, 100m elev., Piedras Blancas NP, Puntarenas, Costa Rica). (Background: Chestnut-backed Antbird). © Peter Boesman.

0626 6 Short-billed Pigeon 6 call 0:29 *Patagioenas nigrirostris*. (20th March 2010 10h15, Esquinas lodge, 100m elev., Piedras Blancas NP, Puntarenas, Costa Rica). © Peter Boesman.

0627 1 Dusky Pigeon 1 Song 0:16 *Columba goodsoni* (25/2/2006 10:00h, Silanche reserve, Pichincha, Ecuador, 00.10N,79.15W) © Peter Boesman.

0627 2 Dusky Pigeon 2 Song and call 0:16 *Columba goodsoni* (20/12/1993, Rio Palenque, Los Rios, Ecuador, 00.25S,79.25W) © Peter Boesman.

0630 1 Eared Dove 1 Song 0:58 Zenaida auriculata (23/7/2008 09:00h, Lomas de Lachay, Lima, Peru, 11.20S,77.30W) © Peter Boesman

0630 2 Eared Dove 2 Song 0:21 Zenaida auriculata ruficauda. Laguna de Pedro Palo, Tena, Cundinamarca, Colombia, 2200m, 14:38h, 18-03-2000, Song © Bernabe Lopez-Lanus.

0630 3 Eared Dove 3 Call 0:19 Zenaida auriculata (23/7/2008 09:00h, Lomas de Lachay, Lima, Peru, 11.20S,77.30W) © Peter Boesman

0631 1 Mourning Dove 1 song 0:08 Zenaida macroura (18/2/2007 08:10h, Whitewater Draw NWR, AZ, , USA,) © Peter Boesman

0631 2 Mourning Dove 2 Song 0:15 Zenaida macroura (21/3/2001 07:30h, Yagui, Oaxaca, Mexico, 16.55N,96.25W) © Peter Boesman

0632 1 White-tipped Dove 1 Song 0:24 Leptotila verreauxi (28/7/2005, Pantanal, Porto Jofre area, Mato Grosso, Brazil,) © Peter Boesman

0632 2 White-tipped Dove 2 Song 0:21 Leptotila verreauxi (6/8/2000 06:00h, Quibor - Sanare road, Lara, Venezuela, 09.48N,69.36W) © Peter Boesman.

0632 3 White-tipped Dove 3 Song 0:25 Leptotila verreauxi (10/8/2004 16:00h, Fazenda Sao Pedro, Curitiba, Paraná, Brazil, 25.30S,49.05W) © Peter Boesman.

0632 4 White-tipped Dove 4 Song 0:19 Leptotila verreauxi (1/2/1997 09:00h, La Mision Limestone hills, Falcon, Venezuela, 10.51N,68.33W) © Peter Boesman.

0634 1 Pallid Dove 1 Song 0:59 Leptotila pallida. Ayampe, Manabi, Ecuador, 50m, 08:00h, 16-01-2008, S1.400° W80.47°0", song © Andrew Spencer.

0634 2 Pallid Dove 2 Song 0:17 Leptotila pallida. Rio Palenque, Patricia Pilar, Pichincha, Ecuador, 250m, 11:00h, 13-07-2001, S0.3520° W79.2145", song, also: Chestnut-backed Antbird © Nick Athanas.

0635 1 Gray-headed Dove 1 song 0:26 Leptotila plumbeiceps (18/3/2001 10:00h, Uxpanapa road, Vera Cruz, Mexico, 17.08N,94.55W) © Peter Boesman

0635 2 Gray-headed Dove 2 song 0:23 Leptotila plumbeiceps (1/9/1996 , Cayo Nancy, Bocas del Toro, Panama,) © Dodge Engleman

0636 1 Gray-fronted Dove 1 Song 0:40 Leptotila rufaxilla (29/7/2009 06:30h, Pantiacolla Lodge, Madre de Dios, Peru, 12.39S,71.14W) © Peter Boesman

0636 2 Gray-fronted Dove 2 Song 0:35 Leptotila rufaxilla (19/1/2005, Carajás, Salobo area, Pará, Brazil, 05.55S,50.30W) © Peter Boesman

0636 3 Gray-fronted Dove 3 Song 0:34 Leptotila rufaxilla (3/8/2003 06:00h, Tucupita area, Delta Amac, Venezuela, 09.08N,62.04W) © Peter Boesman.

0636 4 Gray-fronted Dove 4 Song 0:28 Leptotila rufaxilla (17/4/1994 , Rio Grande area, Bolivar, Venezuela, 08.03N,61.40W) © Peter Boesman.

0637 1 Gray-chested Dove 1 song 0:19 Leptotila (9/3/1996, cerro Campana, Panamá, Panama) © Dodge Engleman

0637 2 Gray-chested Dove 2 song 0:52 Leptotila cassinii. (19th March 2010 16h00, Esquinas lodge, elev. 100m, Piedras Blancas NP, Puntarenas, Costa Rica). © Peter Boesman.

0637 3 Gray-chested Dove 3 song 0:59 Leptotila cassinii. (13th March 2010 6h45, La Selva biological station, Heredia, Costa Rica). (Background: Streak-crowned Woodcreeper, Fasciated Antshrike, Greyish Saltator). © Peter Boesman.

0638 1 Tolima Dove 1 Song 0:27 Leptotila conoveri (12th February 2011 8h00. Clarita Botero near Ibagué, Tolima, Colombia). © Peter Boesman.

0638 2 Tolima Dove 2 Song 0:24 Leptotila conoveri. Ibague, Tolima, Colombia, 1950m, 19-05-2007, N4.2620° W75.1355", calls, just north of town © Frank Lambert.

0638 3 Tolima Dove 3 Song 0:51 Leptotila conoveri. Clarita Botero, Ibague, Tolima, Colombia, 1700m, 07:40h, 01-07-2011, N4.288° W75.1341", song, natural vocalization © Andrew Spencer.

0640 1 Russet-crowned Quail-Dove 1 Song 0:35 Geotrygon goldmani (15/4/1995 07:00h, Darien Cana, , Panama, 07.50N,77.40W) © Peter Boesman.

0640 2 Russet-crowned Quail-Dove 2 Song 0:11 Geotrygon goldmani (15/4/1995 07:00h, Darien Cana, , Panama, 07.50N,77.40W) © Peter Boesman.

0643 1 Lined Quail-Dove 1 Song 0:40 Geotrygon linearis (6/8/2002 17:00h, Cerro Montalban, Carabobo, Venezuela, 10.15N,68.21W) © Peter Boesman.

0643 2 Lined Quail-Dove 2 Song 0:23 Geotrygon linearis (29/6/1996 07:30h, Macarao NP, SW entrance, Miranda, Venezuela, 10.22N,67.05W) © Peter Boesman.

0643 3 Lined Quail-Dove 3 Song 0:10 Geotrygon linearis (22/7/1996 07:00h, Palmichal area, Carabobo, Venezuela, 10.21N,68.12W) © Peter Boesman.

0643 4 Lined Quail-Dove 4 Song 0:22 Geotrygon linearis (8/3/1997 09:00h, Yacambu NP, Lara, Venezuela, 09.43N,69.35W) © Peter Boesman.

0643 5 Lined Quail-Dove 5 Song 0:33 Geotrygon linearis (19/4/1997 07:00h, Pico Humboldt trail, Merida, Venezuela, 08.36N,71.05W) © Peter Boesman.

0643 6 Lined Quail-Dove 6 Song 0:28 Geotrygon linearis. RNA Reinita Cielo Azul, San Vicente de Chucuri, Santander, Colombia, 1650m, 29-04-2007, N6.5047° W73.2230", song © Frank Lambert.

0644 1 White-throated Quail-Dove 1 Song 1:01 Geotrygon frenata (4/1/2008 12:00h, Abra Patricia road, San Martin, Peru, 05.50S,77.46W) © Peter Boesman.

0644 2 White-throated Quail-Dove 2 Song 0:20 Geotrygon frenata (20/7/2009 08:00h, Manu road high, , Peru, 13.12S,71.35W) © Peter Boesman.

0644 3 White-throated Quail Dove 3 Sng 0:23 Geotrygon frenata (8th February 2011 16h00. RNA Las Tangaras near Carmen del Atrato, Antioquia, Colombia). © Peter Boesman.

0646 1 Ruddy Quail-Dove 1 Song 0:41 Geotrygon montana (3/2/2004 05:00h, Crasto forest, Sergipe, Brazil, 11.25S,37.25W) © Peter Boesman

0646 2 Ruddy Quail-Dove 2 Song 0:38 Geotrygon montana (6/2/2004, Boa Nova humid area, Bahia, Brazil, 14.30S,40.05W) © Peter Boesman

0646 3 Ruddy Quail-Dove 3 Song () 0:39 Geotrygon montana (7/8/2003 05:30h, Rio Grande area, Bolivar, Venezuela, 08.03N,61.40W) © Peter Boesman.

0652 1 Blue-and-yellow Macaw 1 Call perched 0:31 Ara ararauna (31/3/1994, Caño Colorado, Monagas, Venezuela, 09.55N,62.55W) © Peter Boesman

0652 2 Blue-and-yellow Macaw 2 Call perched 0:35 Ara ararauna (31/3/1994 , Caño Colorado, Monagas, Venezuela, 09.55N,62.55W) © Peter Boesman

0652 3 Blue-and-yellow Macaw 3 Call flight 0:54 Ara ararauna (18/7/2006 10:00h, Presidente Figueiredo area, Amazonas, Brazil, 02.00S,60.00W) © Peter Boesman

0652 4 Blue-and-yellow Macaw 4 Call flight 0:18 Ara ararauna (25/7/2009 08:30h, Cocha Camungo, Madre de Dios, Peru, 12.25S,70.40W) © Peter Boesman

0652 5 Blue-and-Yellow Macaw 5 Call flight 0:19 Ara ararauna (6th August 2010 16h00, Rio Javari, Reserva Natural Palmari, Amazonas, Brazil, 50m, 4°17'20" S, 70°17'41" W). © Peter Boesman.

0654 1 Military Macaw 1 Call flight 0:33 Ara militaris (26/7/2000 17:00h, Finca Monteverde at Olinda II, Merida, Venezuela, 08.45N,71.28W) © Peter Boesman

0654 2 Military Macaw 2 Call flight 0:33 Ara militaris (4/4/2002 07:00h, Panuco road, Sinaloa, Mexico, 23.22N,106.00W) © Peter Boesman.

0654 3 Military Macaw 3 Call flight 0:40 Ara militaris. Reserva Los Besotes, Valledupar, Cesar, Colombia, 22-05-01, Song, © Bernabe Lopez-Lanus.

0655 1 Great Green Macaw 1 call flight 0:20 Ara ambiguus. (La Selva, Sarapiquí, Heredia, Costa Rica, 35m, 17:03h, 14-02-2010, N10.2553° W84.220"), Calls from a pair flying overhead. (Background: Cocoa Woodcreeper, Black-cheeked Woodpecker, Yellow-crowned Euphonia). © Scott Olmstead

0655 2 Great Green Macaw 2 call flight 0:15 Ara ambigua (18/2/1996 , Cerro Hoya, Veraguas, Panama,) © Dodge Engleman

0655 3 Great Green Macaw 3 call perched 0:05 Ara ambiguus. (14th March 2010 08h00, La Selva biological station, Heredia, Costa Rica). © Peter Boesman.

0656 1 Scarlet Macaw 1 Call flight 0:20 Ara macao (31/12/1996 06:00h, Rio Sarare/Rio Burguita, Apure, Venezuela, 07.14N,71.25W) © Peter Boesman

0656 2 Scarlet Macaw 2 Call perched 0:36 Ara macao (10/1/1993 09:40h, Corcovado NP, Puntarenas, Costa Rica, 08.40N,83.40W) © Gunter De Smet

0657 1 Red-and-green Macaw 1 Call flight 0:19 Ara chloropterus (1/8/2002 17:00h, Upper escalera, Bolivar, Venezuela, 05.58N,61.24W) © Peter Boesman

0657 2 Red-and-green Macaw 2 Call flight 0:11 Ara chloropterus (26/7/2002 16:30h, Lower escalera, Bolivar, Venezuela, 06.00N,61.22W) © Peter Boesman.

0657 3 Red-and-green Macaw 3 Call flight 0:19 Ara chloropterus (1/2/1997 07:00h, La Mision Limestone hills, Falcon, Venezuela, 10.51N,68.33W) © Peter Boesman.

0657 4 Red-and-green Macaw 4 Call perched 2:02 Ara chloropterus (25/7/2009 08:00h, Cocha Camungo, Madre de Dios, Peru, 12.25S,70.40W) © Peter Boesman

0659 1 Chestnut-fronted Macaw 1 Call flight 0:10 Ara severa (12/1/2005 10:00h, Carajás, Salobo area, Pará, Brazil, 05.55S,50.30W) © Peter Boesman

0659 2 Chestnut-fronted Macaw 2 Call flight 0:26 Ara severa (27/5/1995 07:30h, Guataparó area, Carabobo, Venezuela, 10.13N,68.05W) © Peter Boesman

0659 3 Chestnut-fronted Macaw 3 Flight calls 0:26 Ara severa. (3rd February 2011 7h30. RNA El Paujil, Santander, Colombia, 310m, 6.259° N, 74.1541° W). © Peter Boesman.

0659 4 Chestnut-fronted Macaw 4 Call variant flight 0:11 Ara severa (29/12/1996 07:00h, Rio Sarare/Rio Burguita, Apure, Venezuela, 07.14N,71.25W) © Peter Boesman

0660 1 Red-bellied Macaw 1 Call flight 0:19 Ara manilata (28/7/2002 07:00h, Gran Sabana southern side, Bolivar, Venezuela, 04.59N,60.50W) © Peter Boesman

0660 2 Red-bellied Macaw 2 Call flight 0:55 Ara manilata (4/8/2003 16:30h, Rio Uracoa Moriche palm grove, Monagas, Venezuela, 08.50N,62.30W) © Peter Boesman

0660 3 Red-bellied Macaw 3 Call flight 0:14 Ara manilata (23/7/2009 07:00h, Amazon Manu Lodge, Madre de Dios, Peru, 12.18S,70.48W) © Peter Boesman

0660 4 Red-bellied Macaw 4 Call perched 0:18 Ara manilata (26/7/2005 16:00h, Alta Floresta area, Mato Grosso, Brazil, 09.54S,55.54W) © Peter Boesman

0665 1 Yellow-eared Parrot 1 Call 0:14 Ognorhynchus icterotis. Finca La Siberia, Roncesvalles, Tolima, Colombia, 2850m, pmh, 07-05-1999, Calls from 20+ birds © Bernabe Lopez-Lanus.

0665 2 Yellow-eared Parrot 2 Call

0665 3 Yellow-eared Parrot 3 Call flight

0667 1 Golden-plumed Parakeet 1 Call perched

0667 2 Golden-plumed Parakeet 2 Call perched

0667 3 Golden-plumed Parakeet 3 Call flight

0667 4 Golden-plumed Parakeet 4 Call flight

0667 5 Golden-plumed Parakeet 5 Call flight

0668 1 Blue-crowned Parakeet 1 Call perched

0668 2 Blue-crowned Parakeet 2 Call flight

0668 3 Blue-crowned Parakeet 3 Call flight

0669 1 Scarlet-fronted Parakeet 1 Call flight

0669 2 Scarlet-fronted Parakeet 2 Call flight

0669 3 Scarlet-fronted Parakeet 3 Call flight

0669 4 Scarlet-fronted Parakeet 4 Call flight

0669 5 Scarlet-fronted Parakeet 5 Call flight

0672 1 White-eyed Parakeet 1 Call flight

0672 2 White-eyed Parakeet 2 Call flight

0672 3 White-eyed Parakeet 3 Call flight

0672 4 White-eyed Parakeet 4 Call

0672 5 White-eyed Parakeet 5 Call

0672 6 White-eyed Parakeet 6 Call

0677 1 Dusky-headed Parakeet 1 Call

0677 2 Dusky-headed Parakeet 2 Call

0677 3 Dusky-headed Parakeet 3 Call flight

0679 1 Brown-throated Parakeet 1 Call

0679 2 Brown-throated Parakeet 2 Call

0692 1 Painted Parakeet 1 Call

0692 2 Painted Parakeet 2 Call

0692 3 Painted Parakeet 3 Call

0692 4 Painted Parakeet 4 Call

0696 1 Santa Marta Parakeet 1 Call perched

0698 1 Maroon-tailed Parakeet 1 Call

0698 2 Maroon-tailed Parakeet 2 Call

0698 3 Maroon-tailed Parakeet 3 Call

0702 1 Brown-breasted Parakeet 1 Call flight

0702 2 Brown-breasted Parakeet 2 Call flight

0707 1 Green-rumped Parrotlet 1 Calls

0707 2 Green-rumped Parrotlet 2 Calls flight

0707 3 Green-rumped Parrotlet 3 Calls flight

0708 1 Blue-winged Parrotlet 1 Call

0708 2 Blue-winged Parrotlet 2 Call flight

0709 1 Spectacled Parrotlet 1 Call

0709 2 Spectacled Parrotlet 2 Call

0709 3 Spectacled Parrotlet 3 Call

0710 1 Dusky-billed Parrotlet 1 Call

0710 2 Dusky-billed Parrotlet 2 Call perched

0710 3 Dusky-billed Parrotlet 3 Call flight

0713 1 Tui Parakeet 1 Call

0713 2 Tui Parakeet 2 Call flight

0713 3 Tui Parakeet 3 Call flight

0715 1 White-winged Parakeet 1 Call flight

0715 2 White-winged Parakeet 2 Call flight

0718 1 Orange-chinned Parakeet 1 Call

0718 2 Orange-chinned Parakeet 2 Call

0718 3 Orange-chinned Parakeet 3 Call

0718 4 Orange-chinned Parakeet 4 Call flight

0719 1 Cobalt-winged Parakeet 1 Call

0719 2 Cobalt-winged Parakeet 2 Call

0719 3 Cobalt-winged Parakeet 3 Call flight

0719 4 Cobalt-winged Parakeet 4 Call flight

0719 5 Cobalt-winged Parakeet 5 Call flight

0719 6 Cobalt-winged Parakeet 6 Call flight

0719 7 Cobalt-winged Parakeet 7 Flock calls

0:04 Ognorhynchus icterotis. Finca La Siberia, Roncevalles, Tolima, Colombia, 2650m, 15:40h, 07-05-1999, Call, Standard call from two birds. © Bernabe Lopez-Lanus.

0:24 Ognorhynchus icterotis. RNA Loro Orejamarillo, Jardín, Antioquia, Colombia, 2500m, 12:40h, 16-02-2007, N5.3220° W75.48'16", flight calls, A flock of about 11. © Nick Athanas.

0:30 Leptosittaca branickii. RNA El Mirador, Génova, Quindío, Colombia, 3350m, 17:19h, 19-02-2007, N4.8'22" W75.44'8", calls, Perched, then taking flight at 8.5s. Recorded near two active artificial nest boxes. © Nick Athanas.

0:20 Leptosittaca branickii (29th December 2009 15h00. R.N. Rio Blanco, Caldas, Colombia, 2600m, 5°5' N 75°30'W). © Peter Boesman.

0:41 Leptosittaca branickii (29th December 2009 14h00. R.N. Rio Blanco, Caldas, Colombia, 2600m, 5°5' N 75°30'W). © Peter Boesman.

0:40 Leptosittaca branickii (29th December 2009 16h00. R.N. Rio Blanco, Caldas, Colombia, 2600m, 5°5' N 75°30'W). (Background: Slate-crowned Antpitta). © Peter Boesman.

0:36 Leptosittaca branickii. Finca La Carbonera (canon del rio Toche), Tolima, Colombia, 2800m, pmh, 09-06-1998, Calls, Four birds foraging, then in flight © Bernabe Lopez-Lanus.

0:41 Aratinga acuticaudata (25/1/2004, Canudos, Bahia, Brazil, 11.50S,39.00W) © Peter Boesman

0:13 Aratinga acuticaudata (8/8/2003 06:15h, Villa Lola area, Bolivar, Venezuela, 07.55N,62.00W) © Peter Boesman.

0:22 Aratinga acuticaudata (26/1/2004 06:30h, Canudos, Bahia, Brazil, 11.50S,39.00W) © Peter Boesman.

0:25 Aratinga wagleri (27/7/2000 07:00h, Finca Monteverde at Olinda II, Merida, Venezuela, 08.45N,71.28W) © Peter Boesman

0:14 Aratinga wagleri (11/6/1995 07:00h, Palmichal area, Carabobo, Venezuela, 10.21N,68.12W) © Peter Boesman.

0:32 Aratinga wagleri (23/12/1997 09:30h, Canoabo area, Carabobo, Venezuela, 10.20N,68.18W) © Peter Boesman.

0:16 Aratinga wagleri (6/8/2002 17:00h, Cerro Montalban, Carabobo, Venezuela, 10.15N,68.21W) © Peter Boesman.

0:21 Aratinga wagleri (3rd January 2010 6h45. Bosque Bremen, Quindío, Colombia, 4°40'26"N 75°37'5"W). © Peter Boesman.

0:19 Aratinga leucophthalmus (24/7/2005 07:45h, Rio Cristalino Jungle Lodge, Mato Grosso, Brazil, 09.27S,55.54W) © Peter Boesman

0:23 Aratinga leucophthalmus (2/8/2008 09:00h, Villa Rica Coffee plantations, Pasco, Peru, 10.40S,75.20W) © Peter Boesman

0:18 Aratinga leucophthalmus (5/3/1994 , Caño Colorado, Monagas, Venezuela, 09.55N,62.55W) © Peter Boesman.

0:37 Aratinga leucophthalmus (26/7/2009 16:30h, Pantiacolla Lodge, Madre de Dios, Peru, 12.39S,71.14W) © Peter Boesman

1:13 Aratinga leucophthalmus (19th July 2010 10h00, Alpahuayo - Mishana Reserve, Loreto, Peru, 120m, S3.50° W73.15°). (Background: White-throated Toucan, Smooth-billed Ani, monkeys). © Peter Boesman.

0:13 Aratinga leucophthalmus (23/7/2002 18:00h, Rio Grande area, Bolivar, Venezuela, 08.03N,61.40W) © Peter Boesman.

0:41 Aratinga weddellii (21/7/2009 10:00h, Manu Amazonia Lodge, Cuzco, Peru, 12.50S,71.15W) © Peter Boesman

0:19 Aratinga weddellii (22/7/2009 08:00h, Manu Amazonia Lodge, Cuzco, Peru, 12.50S,71.15W) © Peter Boesman

0:10 Aratinga weddellii (26th July 2010 15h00, Explomapo, Loreto, Peru, 120 m. 3°10' S, 72°55' W). © Peter Boesman.

0:26 Aratinga pertinax (22/11/1992, El Limon area, Aragua, Venezuela, 10.18N,67.37W) © Peter Boesman

0:22 Aratinga pertinax (28/12/1990 , Guaniamo area, Bolivar, Venezuela, 06.33N,66.16W) © Peter Boesman.

0:16 Pyrrhura picta (30/10/1993 , Lower Rio Caura area, Bolivar, Venezuela, 07.15N,65.00W) © Peter Boesman.

0:10 Pyrrhura picta (25/3/1997 06:30h, Lower Rio Caura area, Bolivar, Venezuela, 07.15N,65.00W) © Peter Boesman.

0:26 Pyrrhura picta (17/4/1994 , Rio Grande area, Bolivar, Venezuela, 08.03N,61.40W) © Peter Boesman.

0:28 Pyrrhura picta. (Régina, grande Montagne tortue Bélizon, French Guiana, 250m, 21-09-2010). Calls in flight, a bit more than 100 birds. © Alexandre Renaudier.

0:15 Pyrrhura vindicata (31/1/1994 07:30h, Santa Marta Lorenzo road, Magdalena, Colombia, 11.00N,73.40W) © Peter Boesman.

0:11 Pyrrhura melanura (20/7/2006 16:00h, Cucuy road north of Sao Gabriel da Cachoeira, Amazonas, Brazil, 00.01N,66.30W) © Peter Boesman

0:06 Pyrrhura melanura (23/12/1992 , La Selva lodge, Napo, Ecuador, 00.30S,76.30W) © Peter Boesman

0:10 Pyrrhura melanura melanura. Mitu, Vaupes, Colombia, 190m, 15:00h, 08-06-2011, N1.14'45" W70.13'44", Calls from a small flock of birds as they flushed. © Andrew Spencer.

0:23 Pyrrhura calliptera (9th January 2010 9h20. Parque Nacional Chingazo, Cundinamarca, Colombia 4°47'2"N 73°46'32"W). © Peter Boesman.

0:14 Pyrrhura calliptera. Parque Nacional Natural Chingazo, Cundinamarca, Colombia, 2800m, 08:30h, 06-06-2011, N4.44'49" W73.51'21", calls from a flyover flock of about 5 birds. © Andrew Spencer.

0:09 Forpus passerinus (3/8/2003 17:00h, Boca de Macareo, Delta Amac, Venezuela, 09.04N,62.03W) © Peter Boesman.

0:14 Forpus passerinus (24/7/2002 08:00h, Villa Lola area, Bolivar, Venezuela, 07.55N,62.00W) © Peter Boesman.

0:10 Forpus passerinus (5/7/1997 09:00h, Posada Puente de Piedra, Falcon, Venezuela, 11.30N,69.17W) © Peter Boesman.

0:11 Forpus xanthopterygius (2/8/2004 07:30h, Serra da Canastra, Minas Gerais, Brazil, 20.15S,46.37W) © Peter Boesman

0:17 Forpus xanthopterygius (25/1/2004 07:00h, West of Jeremoabo, Bahia, Brazil, 10.02S,38.30W) © Peter Boesman

0:27 Forpus conspicillatus (5th January 2010 9h45. Mana Dulce, Tolima, Colombia, 4° 21' 04"N 74° 39' 06"W). (Background: Rufous-tailed Jacamar, Scrub Greenlet). © Peter Boesman.

0:34 Forpus conspicillatus (6/2/2007 09:18h, San Vicente de Chucurí, Santander, Colombia, 06.51N,73.22W) © Nick Athanas.

0:32 Forpus conspicillatus caucae. Darien, Valle del Cauca, Colombia, 1600m, 06:00h, 21-06-2010, N3.56'2" W76.29'38", calls © Andrew Spencer.

0:20 Forpus sclateri. (26-05-2003 10:00h, Amazonia Lodge, Alto Madre de Dios, Peru, 500m, S12.51'57" W71.22'1"). © Nick Athanas;

0:20 Forpus sclateri (23/12/1992 , La Selva lodge, Napo, Ecuador, 00.30S,76.30W) © Peter Boesman

0:28 Forpus sclateri (26/7/2005 12:00h, Rio Cristalino Jungle Lodge, Mato Grosso, Brazil, 09.27S,55.54W) © Peter Boesman

0:15 Brotogeris sanctithomae (25/7/2009 10:30h, Cocha Camungo, Madre de Dios, Peru, 12.25S,70.40W) © Peter Boesman

0:27 Brotogeris sanctithomae (25/7/2009 08:30h, Cocha Camungo, Madre de Dios, Peru, 12.25S,70.40W) © Peter Boesman

0:33 Brotogeris sanctithomae (30th July 2010 8h30, Cumaceba lodge, Loreto, Peru, 3°38' S, 73°08' W). © Peter Boesman.

0:21 Brotogeris versicolurus (30th July 2010 7h30, Padre Island near Cumaceba lodge, Loreto, Peru, 3°38' S, 73°08' W). © Peter Boesman.

0:10 Brotogeris versicolurus (30th July 2010 7h30, Padre Island near Cumaceba lodge, Loreto, Peru, 3°38' S, 73°08' W). © Peter Boesman.

0:21 Brotogeris jugularis (1st February 2011 6h00. RNA Reinita Cielo Azul, San Vicente de Chucurí, Santander, Colombia, 1800m, N.50'47" N, 73.22'30" W). © Peter Boesman.

0:16 Brotogeris jugularis (25/7/2000 08:00h, Rio Frio road, Merida, Venezuela, 08.52N,71.20W) © Peter Boesman.

0:34 Brotogeris jugularis (29/12/1996 06:00h, Rio Sarare/Rio Burquita, Apure, Venezuela, 07.14N,71.25W) © Peter Boesman.

0:13 Brotogeris jugularis (4th January 2010 17h45. Mana Dulce, Tolima, Colombia, 4° 21' 04"N 74° 39' 06"W). (Background: Great Kiskadee, Scrub Greenlet). © Peter Boesman.

0:41 Brotogeris cyanoptera (18/2/2006 17:00h, Garenno Lodge, Napo, Ecuador, 01.05S,77.35W) © Peter Boesman

0:07 Brotogeris cyanoptera (19/7/2006 15:00h, Tabajos tracks, Sao Gabriel da Cachoeira, Amazonas, Brazil, 00.10S,67.00W) © Peter Boesman

0:14 Brotogeris cyanoptera (21st July 2010 08h00, Alpahuayo - Mishana Reserve, Loreto, Peru, 120m, S3.50° W73.15°). © Peter Boesman.

0:17 Brotogeris cyanoptera (29th July 2010 6h30, Padre Island near Cumaceba lodge, Loreto, Peru, 3°38' S, 73°08' W). © Peter Boesman.

0:15 Brotogeris cyanoptera (30th July 2010 7h30, Padre Island near Cumaceba lodge, Loreto, Peru, 3°38' S, 73°08' W). © Peter Boesman.

0:14 Brotogeris cyanoptera cyanoptera. Mitu, Vaupes, Colombia, 190m, 06:42h, 08-06-2011, N1.14'45" W70.13'44", call, calls from a small flyover flock. © Andrew Spencer.

0:58 Brotogeris cyanoptera (5/9/2000 11:45h, Tambopata Research Centre, Madre de Dios, Peru, 13.08S,69.36W) © Chris Sharpe

0724 1 Barred Parakeet 1 Call flight
0724 2 Barred Parakeet 2 Call flight
0724 3 Barred Parakeet 3 Call
0725 1 Rufous-fronted Parakeet 1 Call
0725 2 Rufous-fronted Parakeet 2 Call
0725 3 Rufous-fronted Parakeet 3 Call flight
0730 1 Scarlet-shouldered Parrotlet 1 Call
0730 2 Scarlet-shouldered Parrotlet 2 Call flight
0730 3 Scarlet-shouldered Parrotlet 3 Call flight
0730 4 Scarlet-shouldered Parrotlet 4 Call flight
0731 1 Blue-fronted Parrotlet 1 Call perched
0731 2 Blue-fronted Parrotlet 2 Call flight
0732 1 Sapphire-rumped Parrotlet 1 Call
0732 2 Sapphire-rumped Parrotlet 2 Call
0732 3 Sapphire-rumped Parrotlet 3 Call flight
0735 1 Spot-winged Parrotlet 1 Call
0736 1 Black-headed Parrot 1 Call
0736 2 Black-headed Parrot 2 Call
0736 3 Black-headed Parrot 3 Call
0736 4 Black-headed Parrot 4 Call and flight
0736 5 Black-headed Parrot 5 Call and flight
0738 1 Red-fan Parrot 1 Call
0738 2 Red-fan Parrot 2 Call
0738 3 Red-fan Parrot 3 Call ()
0740 1 Brown-hooded Parrot 1 call perched
0740 2 Brown-hooded Parrot 2 call perched
0740 3 Brown-hooded Parrot 3 call flight
0740 4 Brown-hooded Parrot 4 call flight
0741 1 Rose-faced Parrot 1 Call
0742 1 Saffron-headed Parrot 1 Call
0742 2 Saffron-headed Parrot 2 Call
0742 3 Saffron-headed Parrot 3 Call flight
0743 1 Orange-cheeked Parrot 1 Call flight
0743 2 Orange-cheeked Parrot 2 Call flight
0743 3 Orange-cheeked Parrot 3 Call
0748 1 Rusty-faced Parrot 1 Call
0748 2 Rusty-faced Parrot 2 Call
0748 3 Rusty-faced Parrot 3 Call
0749 1 Indigo-winged Parrot 1 Call
0749 2 Indigo-winged Parrot 2 Call
0751 1 Short-tailed Parrot 1 Call
0751 2 Short-tailed Parrot 2 Call
0753 1 Blue-headed Parrot 1 Call flight
0753 2 Blue-headed Parrot 2 Call flight
0753 3 Blue-headed Parrot 3 Call flight
0753 4 Blue-headed Parrot 4 Call flight
0753 5 Blue-headed Parrot 5 Call flock
0754 1 Red-billed Parrot 1 Call flight
0754 2 Red-billed Parrot 2 Call flight
0754 3 Red-billed Parrot 3 Call flight
0754 4 Red-billed Parrot 4 Call
0756 1 Speckle-faced Parrot 1 Call
0756 2 Speckle-faced Parrot 2 Call
0756 3 Speckle-faced Parrot 3 Call flight
0756 4 Speckle-faced Parrot 4 Call flight
0756 5 Speckled Chachalaca 6 Call
0757 1 Bronze-winged Parrot 1 Call flight
0757 2 Bronze-winged Parrot 2 Call flight
0757 3 Bronze-winged Parrot 3 Call flight
0758 1 Dusky Parrot 1 Call flight
0758 2 Dusky Parrot 2 Call flight
0761 1 Red-lored Parrot 1 Call
0765 1 Festive Parrot 1 Call

0:11 Bolborhynchus lineola (2/8/2000 17:00h, Campamento La Trampa, Tachira, Venezuela, 07.55N,71.43W) © Peter Boesman
0:18 Bolborhynchus lineola (30/6/1996 17:30h, Colonia Tovar area, Aragua, Venezuela, 10.24N,67.20W) © Peter Boesman.
0:10 Bolborhynchus lineola (13/12/1991 , Gualaceo - Limón road, Morona-Santiago, Ecuador, 03.01S,78.32W) © Niels Krabbe.
0:21 Bolborhynchus ferrugineifrons. Finca La Argentina, vereda Cocora (Quebrada Cardenas), Quindio, Colombia, 3450m, 15:02h, 22-11-1998, Calls, Nine birds, on the ground. © Bernabe Lopez-Lanus.
0:21 Bolborhynchus ferrugineifrons. Finca Indostan, sobre Vereda La Cascada, Anzoategui, Tolima, Colombia, 3500m, Dawnh, 13-08-1999, Calls, Individuals on the ground © Bernabe Lopez-Lanus.
0:16 Bolborhynchus ferrugineifrons. Finca La Argentina, vereda Cocora (Quebrada Cardenas), Quindio, Colombia, 3450m, 15:02h, 22-11-1998, Calls, Nine birds, taking off. © Bernabe Lopez-Lanus.
0:21 Touit huetii. (12-09-2008 16:15h, Pantiacolla Lodge, Manu, Madre de Dios, Peru, 450m, S12.39°36' W71.14°31'). Soft calls from two birds feeding in terra firme understory. (background: Gray-fronted Dove, Screaming Piha). © David Geale.
0:28 Touit huetii. (May 2005. Laguna Añangu, Orellana, Ecuador. 235m. 00.31S,76.26W). (Background: Plumbeous Pigeon). Flight calls of a group of 30. John V. Moore.
0:16 Touit huetii (16/7/1994, Caño Colorado, Monagas, Venezuela, 09.55N,62.55W) © Peter Boesman
0:07 Touit huetii. Mito, Vaupes, Colombia, 190m, 08:30h, 11-06-2011, N1.14°45' W70.13°44", Calls from a flyover flock of 35+ birds. © Andrew Spencer.
0:19 Touit dilectissimus. Trail to the Rio Mira 4 km. west of Alto Tambo, Esmeraldas, Ecuador, 500m, 10:45h, 20-01-2008, Calls from about eight perched birds, followed by calls upon take off © Andrew Spencer.
0:16 Touit dilectissimus. Rio Silanche, Pedro Vicente Maldonado, Pichincha, Ecuador, 450m, 15:00h, 09-07-2010, N0.8°35' W79.8°0', calls © Andrew Spencer.
0:29 Touit purpurata (22/10/2005 06:45h, Upper escalera, Bolivar, Venezuela, 05.58N,61.24W) © Nick Athanas
0:15 Touit purpuratus. (La Escalera, Sierra de Lema, Bolivar, Venezuela, 30-11-2010, N5.57°56' W61.23°30'). (Background: Golden-tufted Grackle). © Alexandre Renaudier.
0:11 Touit purpurata (22nd July 2010 8h00, Allpahuayo - Mishana Reserve, Loreto, Peru, 120m, S3.50°0' W73.15°0'). © Peter Boesman.
0:14 Touit stictopterus. Condor Mirador, Zamora-Chinchipe, Ecuador, 1450m, 07:45h, 16-08-2011, Calls from a flock of six birds flying overhead. © Andrew Spencer.
0:07 Pionites melanocephala (24th July 2010 7h30, ACTS Explomapo, Loreto, Peru, 120 m. 3°10' S, 72°55' W). © Peter Boesman.
0:10 Pionites melanocephala (23/7/2002 18:00h, Rio Grande area, Bolivar, Venezuela, 08.03N,61.40W) © Peter Boesman
0:20 Pionites melanocephala (18/2/2006 08:00h, Gareno Lodge, Napo, Ecuador, 01.05S,77.35W) © Peter Boesman
0:15 Pionites melanocephala (30/7/2002 17:30h, El Pauji road, Bolivar, Venezuela, 04.36N,61.30W) © Peter Boesman
0:27 Pionites melanocephala (28/3/1997, Gavilan road, Amazonas, Venezuela, 05.36N,67.12W) © Peter Boesman
0:22 Derophtys accipitrinus accipitrinus. Mito, Vaupes, Colombia, 190m, 11:00h, 10-06-2011, N1.14°45' W70.13°44", Calls from one or two of a group of six. © Andrew Spencer.
0:28 Derophtys accipitrinus (1/2/2006 09:30h, Reserva Biologica da Campina, Amazonas, Brazil, 02.35S,60.01W) © Nick Athanas
0:33 Derophtys accipitrinus (17/1/2005, Carajás, Salobo area, Pará, Brazil, 05.55S,50.30W) © Peter Boesman
0:09 Pionopsitta haematotis (12/4/1997 , Fort Sherman, Colón, Panama,) © Dodge Engleman
0:19 Pionopsitta haematotis (12/4/1997 , Fort Sherman, Colón, Panama,) © Dodge Engleman
0:08 Pytilia haematotis. (17th March 2010 07h45, Tapaní NP, 1200m elev., Cartago, Costa Rica). (Background: Lesser Greenlet). © Peter Boesman.
0:17 Pytilia haematotis. (24th March 2010 16h35, Las Heliconias Lodge, 800m elev., Alajuela, Costa Rica). © Peter Boesman.
0:14 Pytilia pulchra. Rio Silanche, Pedro Vicente Maldonado, Pichincha, Ecuador, 250m, 13:00h, 21-07-2010, N0.8°35' W79.8°0', Calls from a pair of perched birds © Andrew Spencer.
0:45 Pionopsitta pytilia (25/7/2000 10:00h, Rio Frio road, Merida, Venezuela, 08.52N,71.20W) © Peter Boesman
0:16 Pionopsitta pytilia (28/2/1995 10:00h, San Isidro area, Barinas, Venezuela, 08.52N,70.36W) © Peter Boesman
0:11 Pionopsitta pytilia (2nd February 2011 8h30, RNA El Paujil, Santander, Colombia, 310m, 6.259° N, 74.1541° W). © Peter Boesman.
0:12 Pionopsitta barrabandi (20/7/2006 17:00h, Cucuy road north of Sao Gabriel da Cachoeira, Amazonas, Brazil, 00.01N,66.30W) © Peter Boesman
0:10 Pytilia barrabandi barrabandi. Mito, Vaupes, Colombia, 190m, 06:55h, 13-06-2011, N1.14°45' W70.13°44", Calls from a small flock taking off. © Andrew Spencer.
0:35 Pionopsitta barrabandi (26/1/2006, Junglaven area, Amazonas, Venezuela, 05.00N,66.23W) © Mark Van Beirs
0:26 Hapalopsittaca amazonina. (February 2009, Pico Humboldt trail, Merida, Venezuela). © Hans Matheve.
0:20 Hapalopsittaca amazonina. (February 2009, Pico Humboldt trail, Merida, Venezuela). © Hans Matheve.
0:11 Hapalopsittaca amazonina velezi. Filo de Cholo (Finca La Rivera), Roncesvalles, Tolima, Colombia, 2885m, amh, 06-01-2000, A couple calling perched © Bernabe Lopez-Lanus.
0:06 Hapalopsittaca fuertesi. RNA El Mirador, Ganova, Quindio, Colombia, 3200m, 25-05-2007, N4.8°22' W75.44'8", Flight calls near nest site © Frank Lambert.
0:20 Hapalopsittaca fuertesi. RNA El Mirador, Ganova, Quindio, Colombia, 3200m, 25-05-2007, N4.8°22' W75.44'8", flight calls near nest site © Frank Lambert.
0:33 Graydidascalus brachyurus. (30-12-2008 6:40h, ExplorNapo Lodge, Loreto, Peru, 100m). Background: White-chinned Jacamar, Scarlet-crowned Barbet; © David Geale.
0:11 Graydidascalus brachyurus. (2nd August 2010 7h30, Rio Yanayacu area near Muyuna lodge, Loreto, Peru, 4°18' S, 73°17' W). © Peter Boesman.
0:09 Pionus menstruus (20/7/2005 16:00h, Rio Cristalino Jungle Lodge, Mato Grosso, Brazil, 09.27S,55.54W) © Peter Boesman
0:13 Pionus menstruus (3/1/2008 17:30h, Morro de Calzada, San Martin, Peru, 06.00S,77.05W) © Peter Boesman
0:17 Pionus menstruus (7/8/2003 06:00h, Rio Grande area, Bolivar, Venezuela, 08.03N,61.40W) © Peter Boesman
0:17 Pionus menstruus (3rd February 2011 7h15, RNA El Paujil, Santander, Colombia, 310m, 6.259° N, 74.1541° W). © Peter Boesman.
0:17 Pionus menstruus (24/7/2009 08:00h, Amazon Manu Lodge, Madre de Dios, Peru, 12.18S,70.48W) © Peter Boesman
0:33 Pionus sordidus (30/12/2007 17:15h, Abra Patricia road, San Martin, Peru, 05.50S,77.46W) © Peter Boesman
1:05 Pionus sordidus (31/12/2007 10:00h, Abra Patricia road, San Martin, Peru, 05.50S,77.46W) © Peter Boesman
0:08 Pionus sordidus (15/11/1990 , Rancho Grande area, Aragua, Venezuela, 10.21N,67.42W) © Peter Boesman
0:17 Pionus sordidus (4/5/2002 10:15h, Cerro Negro, Monagas, Venezuela, 10.14N,63.34W) © Nick Athanas.
0:33 Pionus tumultuosus (9th January 2010 6h40, Parque Nacional Chingazo, Cundinamarca, Colombia 4°47'2."N 73°46'32"W). © Peter Boesman.
0:13 Pionus senilioides (12/2/2006 17:00h, San Isidro lodge, Napo, Ecuador, 00.40S,77.55W) © Peter Boesman
0:13 Pionus senilioides (20/2/2006 16:00h, San Isidro lodge, Napo, Ecuador, 00.40S,77.55W) © Peter Boesman
0:16 Pionus senilioides (25/2/1995 17:00h, Upper Azulita road, Merida, Venezuela, 08.36N,71.18W) © Peter Boesman.
0:27 Ortalis guttata columbiana. San Agustín, Huila, Colombia, 1700m, 08:30h, 26-06-2010, N1.5247° W76.16°4", calls © Andrew Spencer.
0:06 Pionus chalcopterus (27/7/2000 16:00h, Rio Capaz valley, Merida, Venezuela, 08.44N,71.25W) © Peter Boesman
0:27 Pionus chalcopterus (25/2/2006 10:30h, Silanche reserve, Pichincha, Ecuador, 00.10N,79.15W) © Peter Boesman
0:14 Pionus chalcopterus (2nd January 2010 16h30, Bosque Bremen, Quindio, Colombia, 4°40'26"N 75°37'5"W). © Peter Boesman.
0:12 Pionus fuscus (23/7/2002, Rio Grande area, Bolivar, Venezuela, 08.03N,61.40W) © Peter Boesman
0:08 Pionus fuscus (17/4/1994 , Rio Grande area, Bolivar, Venezuela, 08.03N,61.40W) © Peter Boesman
0:21 Amazona autumnalis (17/4/2003, Vega del Sol area, Oaxaca, Mexico, 18.00N,96.00W) © Peter Boesman
0:23 Amazona festiva (Yasuni Reserve, Napo, Ecuador, 01.00S,75.30W) © John Moore

0765 2 Festive Parrot 2 Calls
0768 1 Yellow-crowned Parrot 1 Call
0768 2 Yellow-crowned Parrot 2 Call
0768 3 Yellow-crowned Parrot 3 Call
0768 4 Yellow-crowned Parrot 4 Call flight
0770 1 Orange-winged Parrot 1 Call
0770 2 Orange-winged Parrot 2 Call
0770 3 Orange-winged Parrot 3 Call flight
0770 4 Orange-winged Parrot 4 Call flight
0771 1 Scaly-naped Parrot 1 Call flight
0771 2 Scaly-naped Parrot 2 Call flight
0771 3 Scaly-naped Parrot 3 Call flight
0771 4 Scaly-naped Parrot 4 Call flight
0771 5 Scaly-naped Parrot 5 Call
0771 6 Scaly-naped Parrot 6 Call flight
0771 7 Scaly-naped Parrot 7 Call flight
0772 1 Mealy Parrot 1 Call
0772 2 Mealy Parrot 2 Call
0772 3 Mealy Parrot 3 Call
0772 4 Mealy Parrot 4 Call flight
0772 5 Mealy Parrot 5 Call flight
0772 6 Mealy Parrot 6 Call flight
0775 1 Hoatzin 1 Call
0775 2 Hoatzin 2 Call
0775 3 Hoatzin 3 Call
0775 4 Hoatzin 4 Call
0776 1 Little Cuckoo 1 Song
0776 2 Little Cuckoo 2 Call
0776 3 Little Cuckoo 3 Call
0776 4 Little Cuckoo 4 Call
0776 5 Little Cuckoo 5 Call
0776 6 Little Cuckoo 6 Call
0777 1 Dwarf Cuckoo 1 Call
0778 1 Ash-colored Cuckoo 1 Song
0779 1 Squirrel Cuckoo 1 Song
0779 2 Squirrel Cuckoo 2 Song
0779 3 Squirrel Cuckoo 3 Song
0779 4 Squirrel Cuckoo 4 Call
0779 5 Squirrel Cuckoo 5 Call
0779 6 Squirrel Cuckoo 6 Call
0779 7 Squirrel Cuckoo 7 Call flight
0779 8 Squirrel Cuckoo 8 Rattle
0780 1 Black-bellied Cuckoo 1 Song
0780 2 Black-bellied Cuckoo 2 Call
0780 3 Black-bellied Cuckoo 3 Call flight
0781 1 Dark-billed Cuckoo 1 Song
0781 2 Dark-billed Cuckoo 2 Song
0781 3 Dark-billed Cuckoo 3 Song ()
0781 4 Dark-billed Cuckoo 4 Call
0782 1 Yellow-billed Cuckoo 1 Song
0782 2 Yellow-billed Cuckoo 2 Call
0783 1 Pearly-breasted Cuckoo 1 Song
0783 2 Pearly-breasted Cuckoo 2 Call
0784 1 Mangrove Cuckoo 1 song
0785 1 Black-billed Cuckoo 1 Song
0786 1 Gray-capped Cuckoo 1 Song
0787 1 Greater Ani 1 Call
0787 2 Greater Ani 2 Call
0787 3 Greater Ani 3 Call
0787 4 Greater Ani 4 Call
0787 5 Greater Ani 5 Call
0788 1 Smooth-billed Ani 1 Call
0788 2 Smooth-billed Ani 2 Call

0:22 Amazona festiva (2nd August 2010 6h30, Rio Yanayacu area near Muyuna lodge, Loreto, Peru, 4°18' S, 73°17' W). © Peter Boesman.
0:26 Amazona ochrocephala (1/2/1997 08:00h, La Mision Limestone hills, Falcon, Venezuela, 10.51N,68.33W) © Peter Boesman
0:21 Amazona ochrocephala (1/2/1997 09:00h, La Mision Limestone hills, Falcon, Venezuela, 10.51N,68.33W) © Peter Boesman
0:06 Amazona ochrocephala (24/7/2002 08:00h, Villa Lola area, Bolivar, Venezuela, 07.55N,62.00W) © Peter Boesman
0:30 Amazona ochrocephala (5th January 2010 6h30, Mana Dulce, Tolima, Colombia, 4° 21' 04"N 74° 39' 06"W). © Peter Boesman.
0:18 Amazona amazonica (24/7/2002 06:30h, Villa Lola area, Bolivar, Venezuela, 07.55N,62.00W) © Peter Boesman
0:30 Amazona amazonica (27/7/2000 16:00h, Rio Capaz valley, Merida, Venezuela, 08.44N,71.25W) © Peter Boesman.
0:22 Amazona amazonica (13/2/1994 , Rio Grande area, Bolivar, Venezuela, 08.03N,61.40W) © Peter Boesman.
0:17 Amazona amazonica (29/7/2003 16:00h, Balneario Subucual, Sucre, Venezuela, 10.33N,63.06W) © Peter Boesman.
0:35 Amazona mercenaria (5/1/2008 06:40h, Abra Patricia road, San Martín, Peru, 05.50S,77.46W) © Peter Boesman
0:17 Amazona mercenaria (5/1/2008 07:00h, Abra Patricia road, San Martín, Peru, 05.50S,77.46W) © Peter Boesman
0:10 Amazona mercenaria (3/8/2008 07:00h, Villa Rica-Oxapampa road, Pasco, Peru, 10.35S,75.20W) © Peter Boesman
0:14 Amazona mercenaria (30/12/1997 07:00h, Guaramacal NP, Trujillo, Venezuela, 09.10N,70.11W) © Peter Boesman.
0:43 Amazona mercenaria (24/2/2000 07:30h, Ayapaina, Serranía de Canobatupe, Zulia, Venezuela, 10.03N,72.46W) © Chris Sharpe.
0:17 Amazona mercenaria (3/1/1994 06:00h, Santa Marta Lorenzo road, Magdalena, Colombia, 11.00N,73.40W) © Peter Boesman.
0:10 Amazona mercenaria (30th December 2009 7h30, R.N. Rio Blanco, Caldas, Colombia, 2600m, 5°5' N 75°30'W). © Peter Boesman.
0:28 Amazona farinosa (5/8/2003 18:30h, La Sirena, El Palmar, Bolivar, Venezuela, 08.10N,61.55W) © Peter Boesman
0:37 Amazona farinosa (16/4/1992 , Lower Rio Caura area, Bolivar, Venezuela, 07.15N,65.00W) © Peter Boesman.
0:22 Amazona farinosa (21/10/1994 07:00h, Km 85 area, Bolivar, Venezuela, 06.12N,61.23W) © Peter Boesman.
0:30 Amazona farinosa (28/7/2009 08:30h, Pantiacolla Lodge, Madre de Dios, Peru, 12.39S,71.14W) © Peter Boesman
0:18 Amazona farinosa (2/8/2008 17:30h, Villa Rica Coffee plantations, Pasco, Peru, 10.40S,75.20W) © Peter Boesman
0:21 Amazona farinosa farinosa. Mitu, Vaupes, Colombia, 190m, 06:00h, 13-06-2011, N1.14'45" W70.13'44", Calls from a small flyby flock. © Andrew Spencer.
0:26 Opisthocomus hoazin (25/7/2009 10:30h, Cocha Camungo, Madre de Dios, Peru, 12.25S,70.40W) © Peter Boesman
0:22 Opisthocomus hoazin (23/7/2009 15:00h, Amazon Manu Lodge, Madre de Dios, Peru, 12.18S,70.48W) © Peter Boesman
0:26 Opisthocomus hoazin (28th July 2010 14h30, Cumaceba lodge, Loreto, Peru, 3°38' S, 73°08' W). © Peter Boesman.
0:28 Opisthocomus hoazin (29/7/2003 18:00h, Balneario Subucual, Sucre, Venezuela, 10.33N,63.06W) © Peter Boesman
0:29 Piaya minuta (23/12/1992 08:15h, La Selva lodge, Napo, Ecuador, 00.30S,76.30W) © Peter Boesman
0:28 Piaya minuta (27/5/1995 08:45h, Guataparo area, Carabobo, Venezuela, 10.13N,68.05W) © Peter Boesman
0:38 Piaya minuta (10/7/2003 , Pantanal, Mato Grosso del Sul, Brazil, 16.30S,56.40W) © Mark Van Beirs
0:33 Piaya minuta (22/7/2005 16:15h, Rio Cristalino area, Mato Grosso, Brazil, 09.35S,55.50W) © Peter Boesman
0:03 Piaya minuta (10/11/1996 07:00h, San Pablo marsh, Carabobo, Venezuela, 10.31N,68.22W) © Peter Boesman
0:03 Piaya minuta (5/3/1994 , Caño Colorado, Monagas, Venezuela, 09.55N,62.55W) © Peter Boesman.
0:19 Coccozyus pumilus (1/6/1995 , Hato El Cedral area, Apure, Venezuela, 07.30N,69.17W) © Gustavo Rodriguez.
0:48 Coccozya cinerea. (12-12-2006 06:52h,3km southeast of Palomitas, Salta, Argentina, 900m, S24.551" W64.5714"). Response to playback. Background: White-tipped Dove, © Nick Athanas.
0:17 Piaya cayana (28/7/2003 07:45h, Peninsula de Araya, Sucre, Venezuela, 10.40N,63.42W) © Peter Boesman
0:12 Piaya cayana (25/7/2004, Angra dos Reis, Rio de Janeiro, Brazil, 23.05S,44.20W) © Peter Boesman
0:12 Piaya cayana (1/8/2004 08:30h, Serra da Canastra, Minas Gerais, Brazil, 20.15S,46.37W) © Peter Boesman.
0:22 Piaya cayana (27/5/1995 09:00h, Guataparo area, Carabobo, Venezuela, 10.13N,68.05W) © Peter Boesman
0:04 Piaya cayana (1/8/2004, Serra da Canastra, Minas Gerais, Brazil, 20.15S,46.37W) © Peter Boesman
0:02 Piaya cayana (2/11/1996 09:00h, La Mision Limestone hills, Falcon, Venezuela, 10.51N,68.33W) © Peter Boesman
0:08 Piaya cayana (26/3/1997 17:00h, Lower Rio Caura area, Bolivar, Venezuela, 07.15N,65.00W) © Peter Boesman
0:21 Piaya cayana (14/2/1994 , Rio Grande area, Bolivar, Venezuela, 08.03N,61.40W) © Peter Boesman
1:10 Piaya melanogaster. (10-07-09, Tupana lodge, Amazonas, Brazil). Natural recording. (Background: Kwall's Parrot, Screaming Piha). © Alexandre Renaudier.
0:06 Piaya melanogaster (21/7/2005 09:00h, Rio Cristalino Jungle Lodge, Mato Grosso, Brazil, 09.27S,55.54W) © Peter Boesman
0:09 Piaya melanogaster (21/7/2005 09:15h, Rio Cristalino Jungle Lodge, Mato Grosso, Brazil, 09.27S,55.54W) © Peter Boesman
0:12 Coccozyus melacoryphus (27/11/2004 17:00h, Lagoa Grande area, Pernambuco, Brazil, 09.00S,40.15W) © Peter Boesman
0:06 Coccozyus melacoryphus (27/11/2004 17:30h, Lagoa Grande area, Pernambuco, Brazil, 09.00S,40.15W) © Peter Boesman
0:15 Coccozyus melacoryphus (28/7/2003 08:00h, Peninsula de Araya, Sucre, Venezuela, 10.40N,63.42W) © Peter Boesman.
0:15 Coccozyus melacoryphus (24/7/2002 08:00h, Villa Lola area, Bolivar, Venezuela, 07.55N,62.00W) © Peter Boesman
0:07 Coccozyus americanus (23/4/1999 07:00h, Devil Den's SP, AR,USA) © Peter Boesman
0:04 Coccozyus americanus (23/4/1999 07:00h, Devil Den's SP, AR,USA) © Peter Boesman
0:45 Coccozyus euleri. (Régina, Montagne tortue, French Guiana, 30m, 14-09-2010). Song, in response to playback ; the first recording for French Guiana. (Background: Screaming Piha). © Alexandre Renaudier.
0:21 Coccozyus euleri. (Roura, route forestiere du placer Tibourou, French Guiana, 30m, 16-09-2010). Calls, in response to playback. (Background: Slate-colored Grosbeak, Screaming Piha, Green-backed Trogon, Red-eyed Vireo). © Alexandre Renaudier.
0:20 Coccozyus minor. (Icaacal, La Union department, El Salvador, 8:00h, 11-05-08). (Background: Banded Wren, Streak-backed Oriole, Scrub Euphonia). © Jesse Fagan.
0:44 Coccozyus erythrophthalmus. (Goshen, Hampshire Co., Massachusetts, United States, 18:00h, 21-06-2008). © Andrew Spencer.
0:40 Coccozyus lansbergi (Mision Rio Tucuco, Zulia, Venezuela, 09.45N,72.45W) © Paul Schwartz
0:33 Crotophaga major © Paul Schwartz
0:16 Crotophaga major (29/7/2003 07:15h, Finca Vuelta Larga, Sucre, Venezuela, 10.30N,63.00W) © Peter Boesman
0:15 Crotophaga major (30th July 2010 9h30, Cumaceba lodge, Loreto, Peru, 3°38' S, 73°08' W). © Peter Boesman.
0:27 Crotophaga major (2nd February 2011 17h30, RNA El Paujil, Santander, Colombia, 310m, 6.2°59' N, 74.15°41' W). © Peter Boesman.
0:15 Crotophaga major (16/7/1994 , Caño Colorado, Monagas, Venezuela, 09.55N,62.55W) © Peter Boesman.
0:07 Crotophaga ani (4/8/2002 08:00h, Laguna Unare, Anzoategui, Venezuela, 10.07N,65.20W) © Peter Boesman
0:29 Crotophaga ani (4/2/2004 18:00h, Boa Nova humid area, Bahia, Brazil, 14.30S,40.05W) © Peter Boesman

0788 3 Smooth-billed Ani 3 Call
0788 4 Smooth-billed Ani 4 Call
0788 5 Smooth-billed Ani 5 Call
0789 1 Groove-billed Ani 1 Call E
0789 2 Groove-billed Ani 2 Call N
0789 3 Groove-billed Ani 3 Grunts
0791 1 Striped Cuckoo 1 Song
0791 2 Striped Cuckoo 2 Call
0791 3 Striped Cuckoo 3 Call
0791 4 Striped Cuckoo 4 Call
0792 1 Pheasant Cuckoo 1 Song
0792 2 Pheasant Cuckoo 2 Song
0792 3 Pheasant Cuckoo 3 Song
0792 4 Pheasant Cuckoo 4 Rising song
0792 5 Pheasant Cuckoo 5 Rising song
0792 6 Pheasant Cuckoo 6 Rising song ()
0793 1 Pavonine Cuckoo 1 Song
0793 2 Pavonine Cuckoo 2 Song
0793 3 Pavonine Cuckoo 3 Song
0794 1 Rufous-vented Ground-Cuckoo 1 Song
0794 2 Rufous-vented Ground-Cuckoo 2 Bill snapping
0794 3 Rufous-vented Ground-Cuckoo 3 Bill snapping
0797 1 Rufous-winged Ground-Cuckoo 1 Song
0797 2 Rufous-winged Ground-Cuckoo 2 Song
0797 3 Rufous-winged Ground-Cuckoo 3 Song
0797 4 Rufous-winged Ground-Cuckoo 4 Bill-clacking
0799 1 Barn Owl 1 Display calls
0799 2 Barn Owl 2 Call
0800 1 Tropical Screech-Owl 1 Primary song
0800 2 Tropical Screech-Owl 2 Primary song
0800 3 Tropical Screech-Owl 3 Primary song
0800 4 Tropical Screech-Owl 4 Aggressive song
0803 1 Bare-shanked Screech-Owl 1 song
0803 2 Bare-shanked Screech-Owl 2 song
0803 3 Bare-shanked Screech-Owl 3 song variant
0804 1 Colombian Screech Owl 1 Song
0805 1 Rufescent Screech-Owl 1 Primary song
0805 2 Rufescent Screech-Owl 2 Primary song
0805 3 Rufescent Screech-Owl 3 Aggressive song
0806 1 Cinnamon Screech-Owl 1 Song
0806 2 Cinnamon Screech Owl 2 Song
0808 1 Tawny-bellied Screech-Owl 1 Primary song
0808 2 Tawny-bellied Screech-Owl 2 Primary song
0808 3 Tawny-bellied Screech-Owl 3 Primary song
0808 4 Tawny-bellied Screech-Owl 4 Alternate song
0808 5 Tawny-bellied Screech-Owl 5 Call
0809 1 Santa Marta Screech-Owl 1 Song
0809 2 Santa Marta Screech-Owl 2 Song
0813 1 White-throated Screech-Owl 1 Primary song
0813 2 White-throated Screech-Owl 2 Primary song
0813 3 White-throated Screech-Owl 3 Primary song
0813 4 White-throated Screech-Owl 4 Aggressive song
0814 1 Crested Owl 1 Song
0814 2 Crested Owl 2 Song
0814 3 Crested Owl 3 Song
0815 1 Spectacled Owl 1 Song
0815 2 Spectacled Owl 2 Song
0815 3 Spectacled Owl 3 Call
0815 4 Spectacled Owl 4 Call immature
0815 5 Spectacled Owl 5 Call
0815 6 Spectacled Owl 6 Call
0817 1 Band-bellied Owl 1 Song
0817 2 Band-bellied Owl 2 Song

0:29 *Crotophaga ani* (13/2/1994 , Rio Grande area, Bolivar, Venezuela, 08.03N,61.40W) © Peter Boesman.
0:15 *Crotophaga ani* (19th July 2010 10h00, Allpahuayo - Mishana Reserve, Loreto, Peru, 120m, S3.500° W73.150°). © Peter Boesman.
0:26 *Crotophaga ani*. Above Jardin, Antioquia, Colombia, 2100m, 09:51h, 17-02-2007, 0.0°0' 0.0°0', call, A high record for this species. © Nick Athanas.
0:20 *Crotophaga sulcirostris* (17/10/1993 , Caño Colorado, Monagas, Venezuela, 09.55N,62.55W) © Peter Boesman
0:11 *Crotophaga sulcirostris* (7/6/2000 17:00h, Hotel Talinul grounds, San Luis Potosi, Mexico, 21.54N,98.50W) © Peter Boesman.
0:13 *Crotophaga sulcirostris* (7/6/2000 17:00h, Hotel Talinul grounds, San Luis Potosi, Mexico, 21.54N,98.50W) © Peter Boesman.
0:55 *Tapera naevia* (3/8/2003 07:30h, Tucupita area, Delta Amac, Venezuela, 09.08N,62.04W) © Peter Boesman
0:35 *Tapera naevia* (4/2/2004 05:00h, Boa Nova dry area, Bahia, Brazil, 14.30S,40.15W) © Peter Boesman
0:27 *Tapera naevia* (25/7/1993, Caño Colorado, Monagas, Venezuela, 09.55N,62.55W) © Peter Boesman
0:26 *Tapera naevia* (22/6/1996 17:00h, Tacarigua dam, Falcon, Venezuela, 11.00N,68.24W) © Peter Boesman.
0:21 *Dromococcyx phasianellus* (20/4/2003 , Canyon del Sumidero, Chiapas, Mexico, 17.00N,93.05W) © Mark Van Beirs
1:00 *Dromococcyx phasianellus* (26/7/2005, Rio Cristalino Jungle Lodge, Mato Grosso, Brazil, 09.27S,55.54W) © Peter Boesman
0:24 *Dromococcyx phasianellus* (4th January 2010 18h20. Mana Dulce, Tolima, Colombia, 4° 21' 04"N 74° 39' 06"W). © Peter Boesman.
0:33 *Dromococcyx phasianellus* (1/8/2003 , Rio Cristalino Jungle Lodge, Mato Grosso, Brazil, 09.27S,55.54W) © Mark Van Beirs
0:26 *Dromococcyx phasianellus* (20/9/2001 , Pantanal, Mato Grosso del Sul, Brazil, 16.30S,56.40W) © Mark Van Beirs
0:38 *Dromococcyx phasianellus* (4th January 2010 18h00. Mana Dulce, Tolima, Colombia, 4° 21' 04"N 74° 39' 06"W). (Background: Scrub Greenlet, Rufous-browed Peppershrike). © Peter Boesman.
0:36 *Dromococcyx pavoninus* (26/2/1995 09:00h, La Azulita road, Merida, Venezuela, 08.40N,71.24W) © Peter Boesman
0:33 *Dromococcyx pavoninus* (28/2/1995 10:00h, San Isidro area, Barinas, Venezuela, 08.52N,70.36W) © Peter Boesman
1:24 *Dromococcyx pavoninus* (30/7/2003 , Intervales National Park, Sao Paulo, Brazil, 24.20S,48.25W) © Mark Van Beirs
0:21 *Neomorphus geoffroyi*. Yasuni Research Station, Parque Nacional Yasuni, Orellana, Ecuador, 250m, 08:40h, 23-08-2010, S0.4027° W76.2352°, song, from a bird at a large antswarm. also: Bicolored Antbird, White-plumed Antbird, © Andrew Spencer.
0:21 *Neomorphus geoffroyi* (16/12/1995 , Cerro Azul, Panama) © Dodge Engleman
0:22 *Neomorphus geoffroyi*. (00-08-2007, Hacienda Amazonia Lodge, Madre de Dios, Peru, 500m). Bill Snap Response to playback. © Huw Lloyd.
0:12 *Neomorphus rufipennis* (17/7/1994, Rio Grande area, Bolivar, Venezuela, 08.03N,61.40W) © Peter Boesman
0:22 *Neomorphus rufipennis* (26/3/1997 18:00h, Lower Rio Caura area, Bolivar, Venezuela, 07.15N,65.00W) © Peter Boesman.
0:12 *Neomorphus rufipennis* (10/12/1999 , Junglaven area, Amazonas, Venezuela, 05.00N,66.23W) © Mark Van Beirs.
0:16 *Neomorphus rufipennis* (16/12/2001 , Junglaven area, Amazonas, Venezuela, 05.00N,66.23W) © Mark Van Beirs.
0:40 *Tyto alba*. (Parque Nacional Lanin (Lago Quillen)_Neuquen, Argentina, Dawn, 31-01-2004). © Bernabe Lopez-Lanus.
0:31 *Tyto alba tuidara*. (Fortaleza, State of Ceará, Brazil, 10m, 20:00h, 24-07-2006, S3.47° W38.29°). Flight call and scream. © Ciro Albano.
0:37 *Megascops choliba* (17/2/2006 06:00h, Gareno Lodge, Napo, Ecuador, 01.05S,77.35W) © Peter Boesman
0:47 *Otus choliba* (19/1/1997 05:00h, Casa Maria, Carabobo, Venezuela, 10.19N,68.15W) © Peter Boesman.
0:19 *Megascops choliba crucigerus*. Finca La Rivera, Roncesvalles, Tolima, Colombia, 2800m, night, 02-09-1999, Song © Bernabe Lopez-Lanus.
0:16 *Megascops choliba* (19/1/1997 05:00h, Casa Maria, Carabobo, Venezuela, 10.19N,68.15W) © Peter Boesman
1:06 *Megascops clarkii* (26/11/1995 , Fortuna area, Chiriqui, Panama,) © Dodge Engleman
0:22 *Megascops clarkii* (24/11/1996 , Fortuna area, Chiriqui, Panama,) © Dodge Engleman
0:28 *Megascops clarkii*. (Sendero Los Quezales, Chiriqui Province, Panama, 2300m, 19:00h, 21-03-2009, N8.50°59" W82.31°59"). Song, bird was very close, but calls were very quiet. © Andrew Spencer.
1:19 *Megascops colombianus* (10th February 2011 20h00. i Santuario Otun-Quimbaya, Pereira, Tolima, Colombia). © Peter Boesman.
0:32 *Megascops ingens* (27/6/1995 19:00h, Manu Andean Slope, Cuzco, Peru, 12.30S,71.30W) © Peter Boesman
0:58 *Megascops ingens* (26/8/2001 19:15h, Ministerio road, Napo, Ecuador, 01.00S,77.30W) © Nick Athanas
0:43 *Megascops ingens* (16/2/1985 , La Soledad trail, Barinas, Venezuela, 08.48N,70.32W) © Chris Parrish
1:01 *Megascops petersoni*. (06-10-07 19:10h, ACP Abra Patricia-Alto Nieva, San Martin, Peru, 1890m, S5.42°3" W77.48°44"). © Huw Lloyd.
0:32 *Megascops petersoni*. RNA Arrierito Antioqueño, Anori Antioquia, Colombia, 1850m, 16-06-2007, N6.59°10' W75.7°30', song, identified by Niels Krabbe © Frank Lambert.
1:16 *Megascops watsoni* (March 2009, Junglaven, Amazonas, Venezuela) © Hans Matheve.
1:16 *Megascops watsoni* (30/10/1993, Lower Rio Caura area, Bolivar, Venezuela, 07.15N,65.00W) © Peter Boesman
0:34 *Megascops watsonii watsonii* (17/2/2006 19:30h, Gareno Lodge, Napo, Ecuador, 01.05S,77.35W) © Peter Boesman
0:51 *Megascops watsonii* (19/1/2005 19:00h, Carajás, Salobo area, Pará, Brazil, 05.55S,50.30W) © Peter Boesman.
0:05 *Megascops watsonii usta* (20/7/2009 20:00h, Manu Amazonia Lodge, Cuzco, Peru, 12.50S,71.15W) © Peter Boesman
1:04 *Megascops sp* RNA El Dorado, Sierra de Santa Marta, Magdalena, Colombia, 1900m, 20:45h, 8 Feb 2010, Calls or song of pair , © Frank Lambert.
0:52 *Megascops sp* (3/1/1994 05:00h, Santa Marta Lorenzo road, Magdalena, Colombia, 11.00N,73.40W) First voice recording of this taxon. © Peter Boesman.
0:17 *Megascops albugularis* (29/12/1997 06:00h, Guaramacal NP, Trujillo, Venezuela, 09.10N,70.11W) © Peter Boesman.
0:27 *Megascops albugularis* (29/12/1997 06:00h, Guaramacal NP, Trujillo, Venezuela, 09.10N,70.11W) © Peter Boesman.
0:35 *Megascops albugularis* (30th December 2009 5h00. R.N. Rio Blanco, Caldas, Colombia, 2600m, 5°5' N 75°30'W). © Peter Boesman.
0:43 *Megascops albugularis* (17/12/1996 21:00h, Páramo del Zumbador, Tachira, Venezuela, 08.00N,72.00W) © Peter Boesman.
0:34 *Lophostrix cristata* (27/3/1997 05:00h, Lower Rio Caura area, Bolivar, Venezuela, 07.15N,65.00W) © Peter Boesman
1:12 *Lophostrix cristata* (19/1/2005 19:00h, Carajás, Salobo area, Pará, Brazil, 05.55S,50.30W) © Peter Boesman
0:32 *Lophostrix cristata* (22nd July 2010 5h00, Allpahuayo - Mishana Reserve, Loreto, Peru, 120m, S3.500° W73.150°). © Peter Boesman.
0:18 *Pulsatrix perspicillata* (25/8/1994 , Caño Colorado, Monagas, Venezuela, 09.55N,62.55W) © Peter Boesman
0:19 *Pulsatrix perspicillata* (25th July 2010 5h00, ACTS Explomapo, Loreto, Peru, 120 m. 3°10' S, 72°55' W). © Peter Boesman.
0:08 *Pulsatrix perspicillata* (20/12/1993 , Rio Palenque, Los Rios, Ecuador, 00.25S,79.25W) © Peter Boesman
0:47 *Pulsatrix perspicillata* (20/1/2005 18:30h, Carajás, Aguas Claras area, Pará, Brazil, 06.00S,50.30W) © Peter Boesman
0:28 *Pulsatrix perspicillata* (21/1/2005 19:00h, Carajás, Salobo area, Pará, Brazil, 05.55S,50.30W) © Peter Boesman.
0:22 *Pulsatrix perspicillata* (28/12/1990 05:30h, Lower Rio Caura area, Bolivar, Venezuela, 07.15N,65.00W) © Peter Boesman.
1:23 *Pulsatrix melanota*. Serrania Cuchilla, Pilon Lajas Biosphere Reserve, Beni, Bolivia, 500 - 900m, 19:20h, 15-11-1999, S15.15°0' W67.10°1', Song, Certainty: 99%. A pair. Not seen. At 900 m. © A. Bennett Hennessey.
0:43 *Pulsatrix melanota*. (24-08-2001 19:30h. Loreto Road, Napo, Ecuador, 1150m S0.4145° W77.4349°). Song from a pair, one singing at a higher pitch. © Nick Athanas.

0818 1 Great Horned Owl 1 Song 0:13 *Bubo virginianus* © Paul Schwartz

0818 2 Great Horned Owl 2 Song 0:28 *Bubo virginianus* (1/2/1996 , Hato El Piñero, Cojedes, Venezuela, 08.56N,68.05W) © Gustavo Rodriguez.

0818 3 Great Horned Owl 3 Song 0:38 *Bubo virginianus* (25/3/2000 , Volcán del Fuego, Jalisco, Mexico, 19.30N,103.35W) © Pete Morris.

0822 1 Mottled Owl 1 Song 0:34 *Strix virgata* (23/12/1997 06:00h, Casa Maria, Carabobo, Venezuela, 10.19N,68.15W) © Peter Boesman

0822 2 Mottled Owl 2 Call 0:32 *Strix virgata* (23/12/1997 06:00h, Casa Maria, Carabobo, Venezuela, 10.19N,68.15W) © Peter Boesman.

0823 1 Black-and-White Owl 1 Song 1:12 *Strix nigrolineata* (2nd February 2011 5h00. RNA El Paujil, Santander, Colombia, 310m, 6.259° N , 74.1541° W). © Peter Boesman.

0823 2 Black-and-White Owl 2 Song 0:50 *Strix nigrolineata*. (2nd February 2011 5h00. RNA El Paujil, Santander, Colombia, 310m, 6.259° N , 74.1541° W). © Peter Boesman.

0823 3 Black-and-white Owl 3 Call 1:03 *Strix nigrolineata* (11/6/1995 05:30h, Palmichal area, Carabobo, Venezuela, 10.21N,68.12W) © Peter Boesman

0823 4 Black-and-white Owl 4 Call 0:06 *Strix nigrolineata* (8/4/2003 06:00h, Palenque ruins, Chiapas, Mexico, 17.22N,92.00W) © Peter Boesman.

0824 1 Black-banded Owl 1 Primary song 0:58 *Strix huhula* (21/7/2009 20:00h, Manu Amazonia Lodge, Cuzco, Peru, 12.50S,71.15W) © Peter Boesman

0824 2 Black-banded Owl 2 Primary song 0:12 *Strix huhula* (21/7/2009 20:00h, Manu Amazonia Lodge, Cuzco, Peru, 12.50S,71.15W) © Peter Boesman

0824 3 Black-banded Owl 3 Primary song 0:17 *Strix huhula* (25th July 2010 5h00, ACTS Explomapo, Loreto, Peru, 120 m. 3°10' S, 72°55' W). (Background: Spectacled Owl). © Peter Boesman.

0824 4 Black-banded Owl 4 Songs 0:12 *Strix huhula* (21/7/2009 20:00h, Manu Amazonia Lodge, Cuzco, Peru, 12.50S,71.15W) © Peter Boesman

0824 5 Black-banded Owl 5 Agressive song 0:12 *Strix huhula* (21/7/2009 20:00h, Manu Amazonia Lodge, Cuzco, Peru, 12.50S,71.15W) © Peter Boesman

0824 6 Black-banded Owl 6 Call 0:26 *Strix huhula* (31/1/1993, La Selva lodge, Napo, Ecuador, 00.30S,76.30W) © Peter Boesman

0824 7 Black-banded Owl 7 Call () 0:37 *Strix huhula* (25/3/1997 05:15h, Lower Rio Caura area. Bolivar, Venezuela. 07.15N,65.00W) © Peter Boesman.

0825 1 Rufous-banded Owl 1 Primary song 0:20 *Strix albitarsus* (30/7/2000 20:00h, El Morro - Aricagua road, Merida, Venezuela, 08.17N,71.09W) © Peter Boesman

0825 2 Rufous-banded Owl 2 Primary song 0:40 *Strix albitarsus* (23/7/2000 20:00h, Dinira National Park, Lara, Venezuela, 09.42N,70.03W) © Peter Boesman

0825 3 Rufous-banded Owl 3 Primary song 0:53 *Ciccaba albitarsis*. Fusagasuga, Colombia, 2510m, 21:12h, 12-12-2006.call. also: White-throated Screech-Owl © Oswaldo Cortes.

0825 4 Rufous-banded Owl 4 Call 0:42 *Strix albitarsus* (30/12/2007 05:45h, Abra Patricia road, San Martín, Peru, 05.50S,77.46W) © Peter Boesman

0826 1 Cloud-forest Pygmy-Owl 1 Song 0:38 *Glaucidium nubicola*. Tandayapa Valley, Pichincha, Ecuador, 1750m, 19:00h, 23-08-2002, S0.10° W78.41'0", song. © Nick Athanas.

0826 2 Cloud-forest Screech-Owl 2 Song () 0:20 *Otus marshalli* (26/2/2006 09:00h, Mindo Loma, Pichincha, Ecuador, 00.00S,78.40W) © Peter Boesman.

0827 1 Andean Pygmy-Owl 1 Song 0:39 *Glaucidium jardinii* (15/2/2007 11:14h, Páramo de Frontino, Antioquia, Colombia,) © Nick Athanas

0830 1 Central American Pygmy-Owl 1 song 0:38 *Glaucidium griseiceps*. (14th March 2010 08h55, La Selva biological station, Heredia, Costa Rica). (Background: Fasciated Antshrike). © Peter Boesman.

0830 2 Central American Pygmy-Owl 2 song 0:55 *Glaucidium minutissimum* (15/4/1995 21:00h, Cana, Darien, Panama, 07.50N,77.40W) © Peter Boesman

0834 1 Ferruginous Pygmy-Owl 1 Song 0:50 *Glaucidium brasilianum* (1/8/2003 09:30h, Sabana de Piedra - Santa Maria road, Monagas, Venezuela, 10.15N,63.35W) © Peter Boesman

0834 2 Ferruginous Pygmy-Owl 2 Song 0:42 *Glaucidium brasilianum* (15/8/1996 20:00h, Casa Maria, Carabobo, Venezuela, 10.19N,68.15W) © Peter Boesman.

0834 3 Ferruginous Pygmy-Owl 3 Call 0:06 *Glaucidium brasilianum* (7/6/2000 17:00h, Hotel Talinul grounds, San Luis Potosi, Mexico, 21.54N,98.50W) © Peter Boesman

0834 4 Ferruginous Pygmy-Owl 4 Call 0:27 *Glaucidium brasilianum* (1/8/2003 05:30h, Sabana de Piedra - Santa Maria road, Monagas, Venezuela, 10.15N,63.35W) © Peter Boesman

0834 5 Ferruginous Pygmy-Owl 5 Call 0:30 *Glaucidium brasilianum* (7/6/2000 17:00h, Hotel Talinul grounds, San Luis Potosi, Mexico, 21.54N,98.50W) © Peter Boesman

0834 6 Ferruginous Pygmy-Owl 6 Call 0:34 *Glaucidium brasilianum* (1/8/2003 08:30h, Sabana de Piedra - Santa Maria road, Monagas, Venezuela, 10.15N,63.35W) © Peter Boesman

0838 1 Burrowing Owl 1 Song 0:35 *Speotyto cunicularia* (1/8/2004 17:00h, Serra da Canastra, Minas Gerais, Brazil, 20.15S,46.37W) © Peter Boesman

0838 2 Burrowing Owl 2 Call 0:33 *Speotyto cunicularia* (8/4/2005 08:15h, Reserva Ecologica de Guapiassu, Rio de Janeiro, Brazil, 22.24S,42.44W) © Nick Athanas

0838 3 Burrowing Owl 3 Call 0:37 *Speotyto cunicularia* (24/1/2004, West of Jeremoabo, Bahia, Brazil, 10.02S,38.30W) © Peter Boesman

0838 4 Burrowing Owl 4 Call 0:45 *Speotyto cunicularia* (1/3/1995 , Hato El Cedral area, Apure, Venezuela, 07.30N,69.17W) © Gustavo Rodriguez.

0839 1 Buff-fronted Owl 1 Song 0:34 *Aegolius harrisii* (20-04-2003 09:00h, Reserva Yunguilla, Azuay, Ecuador, 1700m, S3.13'46" W79.16'18"). Response to playback, bird was singing and responding in mid-morning, inside a dense, dark patch of woodland just outside the reserve. © Nick Athanas.

0840 1 Striped Owl 1 Call 0:30 *Pseudoscops clamator*. (08/03/1997 05h00, Yacambu NP, Lara, Venezuela). Two large owls, presumably this species. Peter Boesman

0841 1 Stygian Owl 1 Song 1:04 *Asio stygius* (27/3/2000 19:50h, Rio Aberaima, SW Guaiquinima, Bolivar, Venezuela, 05.47N,63.42W) © Chris Sharpe

0841 2 Stygian Owl 2 Call 1:09 *Asio stygius stygius* (Vale das Taquaras, RJ, Brazil, 1000m, 18:18h, 13-07-2009, S22.2422° W42.27'55"). Response to playback. © Nick Athanas.

0841 3 Stygian Owl 3 Call 1:33 *Asio stygius* (21/3/2000 05:55h, Rio Aberaima, SW Guaiquinima, Bolivar, Venezuela, 05.47N,63.42W) © Chris Sharpe

0841 4 Stygian Owl 4 Call 0:09 *Asio stygius*. (13-07-2009 17:54h, Vale das Taquaras, RJ, Brazil, 1000m, S13.36'25" W39.941"). © Nick Athanas.

0842 1 Short-eared Owl 1 Call 0:03 *Asio flammeus*. Uitkerkse polders, West-Vlaanderen, Belgium. 17 February 2008 (16h45). Call in flight during interaction of two individuals. © Peter Boesman.

0843 1 Oilbird 1 Calls 0:43 *Steatornis caripensis* (21/1/1995 19:30h, Caripe area, Monagas, Venezuela, 10.10N,63.31W) © Peter Boesman

0843 2 Oilbird 2 Calls 0:19 *Steatornis caripensis* (21/1/1995 19:30h, Caripe area, Monagas, Venezuela, 10.10N,63.31W) © Peter Boesman

0843 3 Oilbird 3 Calls 1:04 *Steatornis caripensis* (March 2009, Caripe area, Monagas, Venezuela, 10.10N,63.31W) © Hans Matheve.

0843 4 Oilbird 4 Calls 0:42 *Steatornis caripensis*. Reserva Rio Claro [Gruta del Condor], Sonson, San Francisco, Antioquia, Colombia, 300m, 08:00h, 22 Jan 2010, Calls, inside a cave known as Gruta del Condor © Frank Lambert.

0844 1 Great Potoo 1 Song 1:05 *Nyctibius grandis* (3/2/1993 20:30h, La Selva CR, Heredia, Costa Rica, 10.20N,84.00W) © Gunter De Smet

0844 2 Great Potoo 2 Call 0:09 *Nyctibius grandis* (30/12/1996 24:00h, Rio Sarare/Rio Burguita, Apure, Venezuela, 07.14N,71.25W) © Peter Boesman

0845 1 Long-tailed Potoo 1 Song 0:16 *Nyctibius aethereus* (25/12/1992, La Selva lodge, Napo, Ecuador, 00.30S,76.30W) © Peter Boesman

0846 1 Common Potoo 1 Song 0:43 *Nyctibius griseus* © Paul Schwartz

0846 2 Common Potoo 2 Song 0:45 *Nyctibius griseus* (30/1/2004, Chapada de Ararape, Ceará, Brazil, 07.15S,39.32W) © Peter Boesman

0846 3 Common Potoo 3 Song 0:08 *Nyctibius griseus* (10/12/1999 , Junglaven area, Amazonas, Venezuela, 05.00N,66.23W) © Mark Van Beirs.

0847 1 Andean Potoo 1 Song 1:02 *Nyctibius maculosus* (23/9/1991 20:05h, Cordillera de Guacamayos, Napo, Ecuador, 00.37S,77.49W) © Niels Krabbe

0849 1 Rufous Potoo 1 Call and song 1:52 *Nyctibius bracteatus* (17/2/2006 19:00h, Gareno Lodge, Napo, Ecuador, 01.05S,77.35W) © Peter Boesman

0849 2 Rufous Potoo 2 Song and call 0:45 *Nyctibius bracteatus*. (Km63 road off BR-174 north of Manaus, AM, Brazil, 100m, 05:20h, 02-02-2006, S2.24°13' W60.0°35"). Response to playback. © Nick Athanas.

0849 3 Rufous Potoo 3 Call 0:06 *Nyctibius bracteatus* (17/2/2006 19:00h, Gareno Lodge, Napo, Ecuador, 01.05S,77.35W) © Peter Boesman

0850 1 Short-tailed Nighthawk 1 Song 1:13 *Lurocalis semitorquatus* (8/8/2002 05:00h, Casa Maria, Carabobo, Venezuela, 10.19N,68.15W) © Peter Boesman

0850 2 Short-tailed Nighthawk 2 Song 0:09 *Lurocalis semitorquatus* (22/7/2005 05:40h, Rio Cristalino Jungle Lodge, Mato Grosso, Brazil, 09.27S,55.54W) © Peter Boesman

0850 3 Short-tailed Nighthawk 3 Song 0:08 *Lurocalis semitorquatus* (17/7/2006 18:15h, Iracema falls, Presidente Figueiredo, Amazonas, Brazil, 02.00S,60.00W) © Peter Boesman

0850 4 Short-tailed Nighthawk 4 Song 0:23 *Lurocalis semitorquatus* (31/7/2002 05:30h, El Pauji road, Bolivar, Venezuela, 04.36N,61.30W) © Peter Boesman.

0851 1 Rufous-bellied Nighthawk 1 Song 0:06 *Lurocalis rufiventris* (23/8/1991 05:48h, Cordillera de Guacamayos, Napo, Ecuador, 00.37S,77.49W) © Niels Krabbe

0851 2 Rufous-bellied Nighthawk 2 Song 0:08 *Lurocalis rufiventris* (14/2/2006 06:00h, San Isidro lodge, Napo, Ecuador, 00.40S,77.55W) © Peter Boesman

0852 1 Nacunda Nighthawk 1 Song 0:26 *Podager nacunda* (31/7/2005 05:45h, Pantanal, Pixaim area, Mato Grosso, Brazil, 16.40S,56.50W) © Peter Boesman

0852 2 Nacunda Nighthawk 2 Song 0:34 Podager nacunda (30/7/2005, Pantanal, Pixaim area, Mato Grosso, Brazil,) © Peter Boesman

0853 1 Least Nighthawk 1 Song 0:27 Chordeiles pusillus (1/11/1993 , Junglaven area, Amazonas, Venezuela, 05.00N,66.23W) © Peter Boesman.

0853 2 Least Nighthawk 2 Song 0:25 Chordeiles pusillus (24/1/2006 , Junglaven area, Amazonas, Venezuela, 05.00N,66.23W) © Mark Van Beirs.

0853 3 Least Nighthawk 3 Call 1:15 Chordeiles pusillus (12/9/1985 , San Carlos de Rio Negro, Amazonas, Venezuela, 01.55N,67.02W) © Chris Parrish.

0853 4 Least Nighthawk 4 Call 0:12 Chordeiles pusillus (27/7/2002 18:00h, Gran Sabana southern side, Bolivar, Venezuela, 04.59N,60.50W) © Peter Boesman.

0854 1 Sand-colored Nighthawk 1 Call 0:17 Chordeiles rupestris (Yuturi Lodge, Sumbucumbos, Ecuador, 00.34S,76.01W) © John Moore

0855 1 Lesser Nighthawk 1 Song and call 0:29 Chordeiles acutipennis (28/3/1997 18:00h, Camturama area, Amazonas, Venezuela, 05.20N,67.42W) © Peter Boesman

0856 1 Common Nighthawk 1 Song and wingsound 0:25 Chordeiles minor (6/4/2003 19:30h, Las Choapas, Vera Cruz, Mexico, 17.45N,94.00W) © Peter Boesman

0858 1 Band-tailed Nighthawk 1 Short song 1:00 Nyctiprogne leucopyga (30/7/2005 18:00h, Pantanal, Pixaim area, Mato Grosso, Brazil, 16.40S,56.50W). Bird not seen, presumably this species. © Peter Boesman

0858 2 Band-tailed Nighthawk 2 Song 0:13 Nyctiprogne leucopyga (30/12/1997 09:00h, Hato El Cedral area, Apure, Venezuela, 07.30N,69.17W) © Peter Boesman.

0858 3 Band-tailed Nighthawk 3 Song 0:34 Nyctiprogne leucopyga. (Urariquera bridge, north of Boa Vista, Brazil, 22-11-2010, N4.14'30" W58.54'10"). At dawn. (Background: Pale-breasted Spinetail). © Alexandre Renaudier.

0860 1 Common Pauraque 1 Song 0:19 Nyctidromus albicollis (2/2/1997 06:00h, Morrocoy NP, Falcon, Venezuela, 10.51N,68.18W) © Peter Boesman

0860 2 Common Pauraque 2 Song 0:31 Nyctidromus albicollis (10/4/2003 06:00h, Bonampak, Chiapas, Mexico, 16.42N,91.05W) © Peter Boesman

0860 3 Common Pauraque 3 Song 0:24 Nyctidromus albicollis (30/7/2005 05:45h, Pantanal, Pixaim area, Mato Grosso, Brazil, 16.40S,56.50W) © Peter Boesman.

0860 4 Common Pauraque 4 Song 0:20 Nyctidromus albicollis (25/3/1997 05:15h, Lower Rio Caura area, Bolivar, Venezuela, 07.15N,65.00W) © Peter Boesman.

0861 1 Ocellated Poorwill 1 Song 0:33 Nyctiphrynus ocellatus (27/7/2009 18:00h, Pantiacolla Lodge, Madre de Dios, Peru, 12.39S,71.14W) © Peter Boesman

0861 2 Ocellated Poorwill 2 Song 0:38 Nyctiphrynus ocellatus (24/7/2005 18:00h, Rio Cristalino Jungle Lodge, Mato Grosso, Brazil, 09.27S,55.54W) © Peter Boesman

0861 3 Ocellated Poorwill 3 Song 1:09 Nyctiphrynus ocellatus (24/7/2005, Rio Cristalino Jungle Lodge, Mato Grosso, Brazil, 09.27S,55.54W) © Peter Boesman

0862 1 Choco Poorwill 1 Song 1:38 Nyctiphrynus rosenbergi. Playa de Oro, Esmeraldas, Ecuador, 200m, 05:50h, 14-07-2010, N0.51'0" W78.46'0", song © Andrew Spencer.

0862 2 Choco Poorwill 2 Song 0:19 Nyctiphrynus rosenbergi. Rio Canandé Reserve, Esmeraldas, Ecuador, 350m, 18:30h, 17-10-2004, N0.28'19" W79.12'50", song © Nick Athanas.

0863 1 Chuck-will's-widow 1 Song 0:35 Caprimulgus carolinensis (25/4/1999 19:30h, Fort Smith, AR, , USA,) © Peter Boesman.

0863 2 Chuck-will's-widow 2 Song 1:39 Caprimulgus carolinensis (11/4/2003 06:00h, Bonampak, Chiapas, Mexico, 16.42N,91.05W) © Peter Boesman.

0864 1 Rufous Nightjar 1 Song 0:09 Caprimulgus rufus (10/12/1999 , Junglaven area, Amazonas, Venezuela, 05.00N,66.23W) © Mark Van Beirs

0864 2 Rufous Nightjar 2 Song 0:26 Caprimulgus rufus (29/1/2004 , Chapada de Araripe, Ceará, Brazil, 07.15S,39.32W) © Mark Van Beirs

0864 3 Rufous Nightjar 3 Song 0:35 Caprimulgus rufus (13/5/1995 19:15h, Guataparo area, Carabobo, Venezuela, 10.13N,68.05W) © Peter Boesman.

0864 4 Rufous Nightjar 4 Song 0:10 Caprimulgus rufus (March 2009, Junglaven area, Amazonas, Venezuela, 05.00N,66.23W) © Hans Matheve.

0866 1 Band-winged Nightjar 1 Song 0:10 Caprimulgus longirostris (23/7/2000, Dinira National Park, Lara, Venezuela, 09.42N,70.03W) © Peter Boesman

0866 2 Band-winged Nightjar 2 Song 0:21 Caprimulgus longirostris (8/12/2001 , Choroni road, Aragua, Venezuela, 10.22N,67.35W) © Mark Van Beirs.

0866 3 Band-winged Nightjar 3 Song 1:12 Caprimulgus longirostris ruficervix. Finca La Carbonera (canon del rio Toche), Tolina, Colombia, 2900m, 19:03h, 28-12-1998, Song & call, Cheep calls from a second bird after playback © Bernabe Lopez-Lanus.

0867 1 White-tailed Nightjar 1 Song 0:43 Caprimulgus cayennensis (28/7/2003, Peninsula de Araya, Sucre, Venezuela, 10.40N,63.42W) © Peter Boesman

0867 2 White-tailed Nightjar 2 Song 0:23 Caprimulgus cayennensis (28/7/2003 05:30h, Peninsula de Araya, Sucre, Venezuela, 10.40N,63.42W) © Peter Boesman.

0867 3 White-tailed Nightjar 3 Song 0:28 Caprimulgus cayennensis (13/5/1995 19:00h, Guataparo area, Carabobo, Venezuela, 10.13N,68.05W) © Peter Boesman.

0867 4 White-tailed Nightjar 4 Song 0:23 Caprimulgus cayennensis (March 2009, Junglaven, Amazonas, Venezuela) © Hans Matheve

0867 5 White-tailed Nightjar 5 Wing clapping 0:04 Caprimulgus cayennensis (March 2009, Junglaven, Amazonas, Venezuela) © Hans Matheve

0869 1 Spot-tailed Nightjar 1 Song 0:28 Caprimulgus maculicaudus (6/4/2003, Las Choapas, Vera Cruz, Mexico, 17.45N,94.00W) © Peter Boesman

0869 2 Spot-tailed Nightjar 2 Song 0:22 Caprimulgus maculicaudus. (Pantanal Wildlife Center, MT, Brazil, 120m, 20:40h, 07-10-2006, S16.45'29" W56.52'35"). Singing from dense grass in a cow pasture. © Nick Athanas.

0869 3 Spot-tailed Nightjar 3 Song 0:46 Caprimulgus maculicaudus. Finca La Pradera, Parroquia Remolinos, Municipio Puerto Lopez, Meta, Colombia, 400m, 23:42h, 16-04-2000, Song, Response to playback. Moon. © Bernabe Lopez-Lanus.

0870 1 Todd's Nightjar 1 Song 0:23 Caprimulgus parvulus (0/1/1900 , Zero Location, ,) © Paul Schwartz.

0874 1 Blackish Nightjar 1 Song () 0:23 Caprimulgus nigrescens (31/7/2002 05:30h, El Pauji road, Bolivar, Venezuela, 04.36N,61.30W) © Peter Boesman.

0874 2 Blackish Nightjar 2 Alternate song 0:30 Caprimulgus nigrescens (23/7/2005 17:30h, Alta Floresta area, Mato Grosso, Brazil, 09.54S,55.54W) © Peter Boesman

0874 3 Blackish Nightjar 3 Call 0:46 Caprimulgus nigrescens (20/1/2005 17:45h, Carajás, Aguas Claras area, Pará, Brazil, 06.00S,50.30W) © Peter Boesman

0877 1 Ladder-tailed Nightjar 1 Song 0:25 Hydropsalis climacocerca. (Cristalino Jungle Lodge, MT, Brazil, 250m, 17:20h, 03-10-2009, S9.35'53" W55.55'55"). © Andrew Spencer.

0877 2 Ladder-tailed Nightjar 2 Call 0:09 Hydropsalis climacocerca. (Cristalino Jungle Lodge, MT, Brazil, 250m, 17:20h, 03-10-2009, S9.35'53" W55.55'55"). © Andrew Spencer.

0879 1 Swallow-tailed Nightjar 1 Song 0:25 Uropsalis segmentata (29/7/2005 , Bellavista reserve, Pichincha, Ecuador, 00.01S,78.41W) © David Van der Schor.

0879 2 Swallow-tailed Nightjar 2 Call and song 0:45 Uropsalis segmentata (20/7/2009 05:00h, Manu road high , Peru, 13.12S,71.35W) © Peter Boesman.

0880 1 Lyre-tailed Nightjar 1 Song 0:16 Uropsalis lyra (1/3/1995 , San Isidro area, Barinas, Venezuela, 08.52N,70.36W) © Gustavo Rodriguez

0880 2 Lyre-tailed Nightjar 2 Song 1:13 Uropsalis lyra (30/7/2009 18:00h, Manu Andean Slope, Cuzco, Peru, 13.10S,71.30W) © Peter Boesman

0884 1 White-chinned Swift 1 Call 1:02 Cypseloides cryptus (Cascada de San Rafael, Napo, Ecuador, 1240m, 10h, 23-04-2007, S0 6'10" W77.35'2"). In a flock with White-tipped, Chestnut-collared, White-collared, and Spot-fronted Swifts?. Two different calls: the loud chatter © Nick Athanas.

0885 1 Black Swift 1 Calls 0:40 Cypseloides niger. (Andrews Glacier Cave, Rocky Mountain NP, Larimer Co., Colorado, USA, 05:55h, 30-08-2007), song/call from birds flying around the mouth of the cave in the pre-dawn. © Andrew Spencer.

0890 1 Chestnut-collared Swift 1 Call 0:09 Streptoprocne rutila (28/12/1994 09:00h, Tablas Monte, Cochabamba, Bolivia, 17.09S,65.54W) © Peter Boesman

0890 2 Chestnut-collared Swift 2 Call 0:23 Streptoprocne rutila brunntorques. Finca El Emporio (represa), Villa de Leyva, Boyaca, Colombia, 2000m, 16:46h, 28-05-2002, Song, Birds in low flight © Bernabe Lopez-Lanus.

0892 1 White-collared Swift 1 Call 0:27 Streptoprocne zonaris (16/4/2003 11:00h, Valle Nacional road, Oaxaca, Mexico, 17.40N,96.20W) © Peter Boesman

0892 2 White-collared Swift 2 Call 0:13 Streptoprocne zonaris (14/2/2006 16:00h, Sumaco road, Napo, Ecuador, 00.45S,77.35W) © Peter Boesman

0892 3 White-collared Swift 3 Call 0:06 Streptoprocne zonaris (5/1/2008 09:00h, Abra Patricia road, San Martin, Peru, 05.50S,77.46W) © Peter Boesman

0892 4 White-collared Swift 4 Call 0:27 Streptoprocne zonaris (2nd January 2010 16h00, Bosque Bremen, Quindio, Colombia, 4°40'26"N 75°37'5"W). © Peter Boesman.

0892 5 White-collared Swift 5 Calls 0:05 Streptoprocne zonaris (19/4/1997 16:00h, Los Frailes area, Merida, Venezuela, 08.50N,70.48W) Single bird in flight. © Peter Boesman.

0894 1 Band-rumped Swift 1 Calls flight 0:21 Chaetura spinicaudus (14/2/1994, Rio Grande area, Bolivar, Venezuela, 08.03N,61.40W) © Peter Boesman

0895 1 Gray-rumped Swift 1 Call 0:32 Chaetura cinereiventris (26/7/2000 09:00h, Finca Monteverde at Olinda II, Merida, Venezuela, 08.45N,71.28W) © Peter Boesman

0895 2 Gray-rumped Swift 2 Call 0:09 Chaetura cinereiventris (25/3/1997 08:00h, Lower Rio Caura area, Bolivar, Venezuela, 07.15N,65.00W) © Peter Boesman.

0898 1 Chimney Swift 1 Call 0:11 Chaetura pelagica (25/4/1999 19:00h, Fort Smith, AR, USA) © Peter Boesman

0898 2 Chimney Swift 2 Call 0:07 Chaetura pelagica (25/4/1999 19:00h, Fort Smith, AR, USA) © Peter Boesman

0899 1 Chapman's Swift 1 Call 0:05 Chaetura chapmani. (Régina, Montagne tortue, French Guiana, 20-09-2010). Call in flight. © Alexandre Renaudier.

0900 1 Amazonian Swift 1 Song 0:06 Chaetura viiirdipennis (12-09-2009, 09:00h, Cristalino Jungle Lodge, MT, Brazil, 250m, S9.35'53" W55.55'55"). © Andrew Spencer.

0900 2 Amazonian Swift 2 Calls
0901 1 Sick's Swift 1 Call QQ
0901 2 Sick's Swift 2 Call QQ
0902 1 Short-tailed Swift 1 Call
0902 2 Short-tailed Swift 2 Call
0902 3 Short-tailed Swift 3 Call
0903 1 White-tipped Swift 1 Call
0903 2 White-tipped Swift 2 Call
0906 1 Fork-tailed Palm-Swift 1 Call
0906 2 Fork-tailed Palm-Swift 2 Call
0906 3 Fork-tailed Palm-Swift 3 Call
0907 1 Lesser Swallow-tailed Swift 1 Call
0909 1 Fiery Topaz 1 Song
0909 2 Fiery Topaz 2 Song
0909 3 Fiery Topaz 3 Calls
0910 1 White-necked Jacobin 1 Song
0910 2 White-necked Jacobin 2 calls
0910 3 White-necked Jacobin 3 call
0910 4 White-necked Jacobin 4 call
0912 1 White-tipped Sicklebill 1 Song
0912 2 White-tipped Sicklebill 2 Song
0913 1 Buff-tailed Sicklebill 1 Song
0916 1 Bronzy Hermit 1 song
0917 1 Rufous-breasted Hermit 1 Calls
0917 2 Rufous-breasted Hermit 2 Calls
0917 3 Rufous-breasted Hermit 3 Call
0918 1 Band-tailed Barthroat 1 Song ()
0918 2 Band-tailed Barthroat 2 Song
0918 3 Band-tailed Barthroat 3 Song
0919 1 Pale-tailed Barthroat 1 Call
0923 1 Streak-throated Hermit 1 Song
0929 1 Stripe-throated Hermit 1 Song
0929 2 Stripe-throated Hermit 2 Song
0930 1 Gray-chinned Hermit 1 Song
0930 2 Gray-chinned Hermit 2 Song
0930 3 Gray-chinned Hermit 3 Song
0931 1 Reddish Hermit 1 Song
0931 2 Reddish Hermit 2 Song
0931 3 Reddish Hermit 3 Song
0931 4 Reddish Hermit 4 Display
0934 1 Sooty-capped Hermit 1 Song
0937 1 Pale-bellied Hermit 1 Song
0938 1 White-bearded Hermit 1 Song
0939 1 White-whiskered Hermit 1 Song
0939 2 White-whiskered Hermit 2 Song
0940 1 Green Hermit 1 Song
0940 2 Green Hermit 2 Call
0941 1 Tawny-bellied Hermit 1 Song
0941 2 Tawny-bellied Hermit 2 Lek
0941 3 Tawny-bellied Hermit 3 Call
0944 1 Straight-billed Hermit 1 Song
0944 2 Straight-billed Hermit 2 Song
0944 3 Straight-billed Hermit 3 Call
0945 1 Long-billed Hermit 1 song
0945 2 Long-billed Hermit 2 song
0945 3 Long-billed Hermit 3 call
0947 1 Great-billed Hermit 1 Song
0948 1 Green-fronted Lancebill 1 Call
0949 1 Blue-fronted Lancebill 1 Call
0949 2 Blue-fronted Lancebill 2 Call
0950 1 Wedge-billed Hummingbird 1 Song
0950 2 Wedge-billed Hummingbird 2 Song
0950 3 Wedge-billed Hummingbird 3 Call

0:28 *Chaetura viridipennis* (12-09-2009, 09:00h, Cristalino Jungle Lodge, MT, Brazil, 250m, S9.3553° W55.5555°). © Andrew Spencer.
0:20 *Chaetura meridionalis*. (Awala-Yalimapo, digue, French Guiana, 2m, 07-08-2010), Calls in flight, first recordings ever made for French Guiana, where a very rare vagrant. © Alexandre Renaudier.
0:16 *Chaetura meridionalis*. (Serra de Baturité, south of Fortaleza, CE, Brazil, 1115m, 12:45h, 06-01-2006, S4.1237° W38.5829°). One of c.5 indiv. circling the highest mountain in the range. © Nick Athanas.
0:06 *Chaetura brachyura* (1/8/2003 17:00h, Represa El Guamo, Monagas, Venezuela, 10.05N,63.40W) © Peter Boesman
0:23 *Chaetura brachyura* (La Selva lodge, Napo, Ecuador, 00.30S,76.30W) © John Moore
0:35 *Chaetura brachyura* (2/7/2006 16:00h, Sao Gabriel da Cachoeira area, Amazonas, Brazil, 00.01S,66.30W) © Peter Boesman
0:35 *Aeronautes montivagus* (23/7/2000, Dinira National Park, Lara, Venezuela, 09.42N,70.03W) © Peter Boesman
0:05 *Aeronautes montivagus* (30/12/2007 08:00h, Abra Patricia road, San Martín, Peru, 05.50S,77.46W) © Peter Boesman
0:39 *Tachornis squamata* (1/1/2008 13:00h, Rioja, San Martín, Peru, 06.00S,77.10W) © Peter Boesman
0:27 *Tachornis squamata semota*. Mitu, Vaupes, Colombia, 190m, 13:30h, 10-06-2011, N1.1445° W70.1344°, Calls from three birds chasing each other. © Andrew Spencer.
0:08 *Tachornis squamata* (28/3/1997 16:00h, Canturama area, Amazonas, Venezuela, 05.20N,67.42W) © Peter Boesman.
0:12 *Panyptila cayennensis*. (July 2007, Sinnamary, French Guiana, 05.45N, 53.56W). Bird in flight. Alexandre Renaudier.
0:55 *Topaza pyra* (24/7/2006 17:00h, Cucuy road north of Sao Gabriel da Cachoeira, Amazonas, Brazil, 00.01N,66.30W) © Peter Boesman
1:30 *Topaza pyra* (24/7/2006 17:00h, Cucuy road north of Sao Gabriel da Cachoeira, Amazonas, Brazil, 00.01N,66.30W). Note the machine-gun like call at the end, just before making a loop-flight. © Peter Boesman
0:23 *Topaza pyra pyra*. Mitu, Vaupes, Colombia, 190m, 12:00h, 12-06-2011, N1.1445° W70.1344°, Calls from a male bird high in a tall flowering tree, in terra firme forest. © Andrew Spencer.
0:24 *Florisuga mellivora* (17/7/2006 16:30h, Lajes campina, Presidente Figueiredo, Amazonas, Brazil, 02.00S,60.00W) © Peter Boesman
0:06 *Florisuga mellivora* (3rd February 2011 11h00. RNA El Paujil, Santander, Colombia, 310m, 6.259° N, 74.1541° W). © Peter Boesman.
0:07 *Florisuga mellivora* (3rd February 2011 11h00. RNA El Paujil, Santander, Colombia, 310m, 6.259° N, 74.1541° W). © Peter Boesman.
0:10 *Florisuga mellivora* (3rd February 2011 11h00. RNA El Paujil, Santander, Colombia, 310m, 6.259° N, 74.1541° W). © Peter Boesman.
0:31 *Eutoxeres aquila heterurus*. Trail to the Rio Mira 4 km. west of Alto Tambo, Esmeraldas, Ecuador, 680m, 07:40h, 30-07-2011, N0.5722° W78.3254°, song, natural vocalization © Andrew Spencer.
0:33 *Eutoxeres aquila heterura*. 7 km west of Lita, Esmeraldas, Ecuador, 650m, 08:31h, 05-05-2007, N0.53°0' W78.31°0', lekking, also: Orange-billed Sparrow © Nick Athanas.
0:22 *Eutoxeres condaminii* (17/2/2006 07:00h, Garen Lodge, Napo, Ecuador, 01.05S,77.35W) © Peter Boesman.
0:43 *Glaucis aeneus*. 16/07/1991, Las Delicias, Nicaragua. 40 m, © Tom Will
0:21 *Glaucis hirsuta* (1/2/1997 07:00h, La Mision Limestone hills, Falcon, Venezuela, 10.51N,68.33W) © Peter Boesman
0:11 *Glaucis hirsuta* (16/3/1997 10:00h, Canoaibo area, Carabobo, Venezuela, 10.20N,68.18W) © Peter Boesman
0:09 *Glaucis hirsuta* (16/3/1997 10:00h, Canoaibo area, Carabobo, Venezuela, 10.20N,68.18W) © Peter Boesman.
0:12 *Threnetes ruckeri* (16/4/1995, Nusagandi NP., Panama, 09.20N,78.50W) © Peter Boesman
0:13 *Threnetes ruckeri* (22/6/1996, El Valle, Panama.) © Dodge Engleman.
0:30 *Threnetes ruckeri*. (14th March 2010 14h20, La Selva biological station, Heredia, Costa Rica). © Peter Boesman.
0:18 *Threnetes niger* (23/7/2002 06:00h, Rio Grande area, Bolívar, Venezuela, 08.03N,61.40W) © Peter Boesman
0:27 *Phaethornis rupurumii* (26/3/1997, Lower Rio Caura area, Bolívar, Venezuela, 07.15N,65.00W) © Peter Boesman
0:14 *Phaethornis strigularis* (30/4/1995 10:15h, Serrania de San Luis, Falcon, Venezuela, 11.12N,69.42W) © Peter Boesman.
0:42 *Phaethornis strigularis* (9/4/2003 08:30h, Bonampak, Chiapas, Mexico, 16.42N,91.05W) © Peter Boesman.
0:30 *Phaethornis griseogularis* (26/9/2001 08:00h, Bombuscaro, Podocarpus NP, Zamora-Chinchipe, Ecuador, 04.10S,78.50W) © Nick Athanas
0:31 *Phaethornis griseogularis* (21/12/1997 09:00h, Yacambu NP, Lara, Venezuela, 09.43N,69.35W) © Peter Boesman.
0:31 *Phaethornis strigularis* (27/7/2000 11:00h, Finca Monteverde at Olinda II, Merida, Venezuela, 08.45N,71.28W) © Peter Boesman.
0:08 *Phaethornis ruber* (1/11/1993, Junglaven area, Amazonas, Venezuela, 05.00N,66.23W) © Peter Boesman
0:19 *Phaethornis ruber* (27/7/2005 09:00h, Alta Floresta area, Mato Grosso, Brazil, 09.54S,55.54W) © Peter Boesman
0:29 *Phaethornis ruber nigrincinctus*. Mitu, Vaupes, Colombia, 190m, 10:30h, 11-06-2011, N1.1445° W70.1344°, song, natural vocalization © Andrew Spencer.
0:33 *Phaethornis ruber* (21/10/1994 07:15h, Km 67 area, Bolívar, Venezuela, 06.18N,61.16W) © Peter Boesman
0:36 *Phaethornis augusti incanescens*. (Rio Kukenan camp on the way to Cerro Roraima, Bolívar, Venezuela, 1650m, 06:30h, 02-07-2008). At lek. © Andrew Spencer.
0:16 *Phaethornis anthophilus*. Desierto de la Tatacoa Huila, Colombia, 700m, 08:00h, 25-05-2011, Song. © Oswaldo Cortes.
0:59 *Phaethornis hispidus*. (30-12-2008 15:25h, Explorama Lodge, Loreto, Peru, 100m). © David Geale.
0:25 *Phaethornis yaruqui*. Reserva Ecologica Cotacachi-Cayapas, Esmeraldas, Ecuador, 100m, 12:42h, 02-04-2007, N0.4132° W78.5434°, lekking © Nick Athanas.
0:21 *Phaethornis yaruqui*. Trail to the Rio Mira 4 km. west of Alto Tambo, Esmeraldas, Ecuador, 680m, 06:30h, 30-07-2011, N0.5722° W78.3254°, lekking, natural vocalization © Andrew Spencer.
0:28 *Phaethornis guy* (4/1/2008 06:45h, Abra Patricia road, San Martín, Peru, 05.50S,77.46W) © Peter Boesman.
0:09 *Phaethornis guy* (31st January 2011 16h30. RNA Reinita Cielo Azul, San Vicente de Chucuri, Santander, Colombia, 1900m, N.5047° N, 73.2230° W), At feeder. © Peter Boesman.
0:08 *Phaethornis symmatophorus* (1st January 2010 16h00. P.N. Tatamá, Montezuma trail, near Pueblo Rico, Risaralda, Colombia, 1600m, 5°14'3"N 76° 5'21"W:). © Peter Boesman.
0:40 *Phaethornis symmatophorus* (5th February 2011 8h00. La Romera near Medellín, Antioquia, Colombia). © Peter Boesman.
0:16 *Phaethornis symmatophorus* (1st January 2010 11h40. P.N. Tatamá, Montezuma trail, near Pueblo Rico, Risaralda, Colombia, 1600m, 5°14'3"N 76° 5'21"W:). (Background: Rufous Motmot). © Peter Boesman.
0:10 *Phaethornis bourcierii* (Panacocha Lodge, Ecuador) © John Moore
0:26 *Phaethornis bourcierii* (23/7/2006 07:00h, Moises trail, Sao Gabriel da Cachoeira, Amazonas, Brazil, 00.30S,66.30W) © Peter Boesman
0:05 *Phaethornis bourcierii* (17/2/2006 16:00h, Garen Lodge, Napo, Ecuador, 01.05S,77.35W) © Peter Boesman
0:47 *Phaethornis longirostris*. (14th March 2010 08h20, La Selva biological station, Heredia, Costa Rica). (Background: White-breasted Wood Wren). © Peter Boesman.
0:21 *Phaethornis longirostris* (9/1/1993 16:50h, Corcovado NP, Puntarenas, Costa Rica, 08.40N,83.40W) © Gunter De Smet
0:11 *Phaethornis longirostris* (9/4/2003 07:30h, Bonampak, Chiapas, Mexico, 16.42N,91.05W) © Peter Boesman
0:59 *Phaethornis malaris ochraceiventris*. (01-05-2009 15:20h, Madre Selva, Loreto, Peru, 100m). At lek. © David Geale.
0:23 *Doryfera ludovicae*. Milpe, Pichincha, Ecuador, 1200m, 10:30h, 16-10-2010, N0.143° W78.5146°, calls from a female by a nest © Andrew Spencer.
0:33 *Doryfera johannae*. (Tepui Trail, Cabañas Yankuam, Zamora-Chinchipe, Ecuador, 950m, 16:40h, 12-08-2011, S4.1547° W78.4130°). Natural vocalization; calls from a male bird visiting some flowers. © Andrew Spencer.
0:08 *Doryfera johannae*. (March 2009, La Escalera, Bolívar, Venezuela) © Hans Matheve.
0:29 *Schistes geoffroyi* (9/2/2002 06:30h, Tandayapa, Pichincha, Ecuador, 00.01S,78.43W) © Nick Athanas
1:08 *Schistes geoffroyi* (March 2009, Henri Pittier NP, Aragua, Venezuela) © Peter Boesman.
0:02 *Schistes geoffroyi* (March 2009, Henri Pittier NP, Aragua, Venezuela) © Peter Boesman.

0953 1 Brown Violetear 1 Song 0:14 Colibri delphinae (22/12/1997 10:00h, Yacambu NP, Lara, Venezuela, 09.43N,69.35W) © Peter Boesman

0953 2 Brown Violetear 2 Song 0:59 Colibri delphinae. El 18, Valle del Cauca, Colombia, ?m, 10:00h, 17-07-2008, song © Andrew Spencer.

0953 3 Brown Violetear 3 Call 0:20 Colibri delphinae (21/10/1994 09:30h, Lower escalera, Bolivar, Venezuela, 06.00N,61.22W) © Peter Boesman

0954 1 Green Violet-ear 1 Song 0:34 Colibri thalassinus (24/7/2003 06:15h, Sierra de Aroa, Yaracuy, Venezuela, 10.20N,68.50W) © Peter Boesman

0954 2 Green Violet-ear 2 Song 0:25 Colibri thalassinus (29/6/1996 08:00h, Macarao NP, SW entrance, Miranda, Venezuela, 10.22N,67.05W) © Peter Boesman.

0954 3 Green Violet-ear 3 Song 0:12 Colibri thalassinus (1/3/1997 07:00h, Colonia Tovar area, Aragua, Venezuela, 10.24N,67.20W) © Peter Boesman.

0954 4 Green Violet-ear 4 Song 0:11 Colibri thalassinus (30/12/1997 09:00h, Guaramacal NP, Trujillo, Venezuela, 09.10N,70.11W) © Peter Boesman.

0954 5 Green Violet-ear 5 Call 0:23 Colibri thalassinus (1/3/1997 09:00h, Colonia Tovar area, Aragua, Venezuela, 10.24N,67.20W) © Peter Boesman.

0954 6 Green Violet-ear 6 Call 0:34 Colibri thalassinus (24/7/2003 09:00h, Sierra de Aroa, Yaracuy, Venezuela, 10.20N,68.50W) © Peter Boesman.

0955 1 Sparkling Violet-ear 1 Song 1:02 Colibri coruscans (8/8/2007 17:00h, Los Frailes area, Merida, Venezuela, 08.50N,70.48W) © Peter Boesman

0955 2 Sparkling Violet-ear 2 Song 0:17 Colibri coruscans (31/7/2000, El Morro road, Merida, Venezuela, 08.30N,71.05W) © Peter Boesman

0955 3 Sparkling Violet-ear 3 Song 0:40 Colibri coruscans (5/8/2008 17:30h, Apaya-Andamarca road, Junin, Peru, 11.40S,74.50W) © Peter Boesman

0955 4 Sparkling Violet-ear 4 Song 0:30 Colibri coruscans (7th January 2010 15h00, Soata, Boyaca, Colombia, 6°20'16"N 72°40'37"W). © Peter Boesman.

0955 5 Sparkling Violet-ear 5 Calls 0:12 Colibri coruscans (10/1/2008 09:50h, San Marcos area, Cajamarca, Peru, 07.20S,78.10W) © Peter Boesman

0955 6 Sparkling Violet-ear 6 Call 0:09 Colibri coruscans (8th January 2010 16h30, Rogitama, Cundinamarca, Colombia 5° 47' 44"N 73° 27' 25"W). © Peter Boesman.

0955 7 Sparkling Violet-ear 7 Display 0:24 Colibri coruscans (12/2/2006 16:00h, San Isidro lodge, Napo, Ecuador, 00.40S,77.55W) © Peter Boesman

0957 1 Tooth-billed Hummingbird 1 Song 0:51 Androdon aequatorialis. Narino, El Pangan Nature Reserve, near Junin, Colombia, 600m, 21-2-08, N1.19'12" W78.6'35", song, © Frank Lambert.

0960 1 Black-eared Fairy 1 Call 0:18 Heliothryx auritus (2/8/2002 07:00h, Lower escalera, Bolivar, Venezuela, 06.00N,61.22W) © Peter Boesman

0960 2 Black-eared Fairy 2 Call 0:07 Heliothryx auritus. (Cristalino Jungle Lodge, MT, Brazil, 250m, 17:30h, 05-10-2009, S9.35'53" W55.55'55"). A few calls from a bird hovering over a pool of water after bathing. © Andrew Spencer.

0961 1 White-tailed Goldenthrout 1 Call 0:21 Polytmus guainumbi (28/7/2002 08:30h, Gran Sabana southern side, Bolivar, Venezuela, 04.59N,60.50W) © Peter Boesman

0963 1 Green-tailed Goldenthrout 1 Call 0:20 Polytmus theresiae. (Iracoubo, savane Trou Poissons, French Guiana, 5m, 24-03-2011); (Background: Blue-black Grassquit, Mouse-colored Tyrannulet). © Alexandre Renaudier.

0965 1 Ruby-topaz Hummingbird 1 Call 0:22 Chrysolampis mosquitos (5/8/2003, La Sirena, El Palmar, Bolivar, Venezuela, 08.10N,61.55W) © Peter Boesman

0968 1 Black-throated Mango 1 Call 0:14 Anthracothorax nigricollis. (Cristalino Jungle Lodge, MT, Brazil, 250m, 16:00h, 12-09-2009, S9.35'53" W55.55'55"). © Andrew Spencer.

0969 1 Orange-throated Sunangel 1 Call 0:12 Heliangelus mavors (29/12/1997 18:00h, Guaramacal NP, Trujillo, Venezuela, 09.10N,70.11W) © Peter Boesman

0970 1 Amethyst-throated Sunangel 1 Buzz call 0:27 Heliangelus amethysticollis (30/7/2008 10:30h, Carpish Tunnel, Huánuco, Peru, 09.40S,76.05W) © Peter Boesman.

0970 2 Amethyst-throated Sunangel 2 Call 0:06 Heliangelus amethysticollis (26/12/1993 , Podocarpus Loja-Zamora, Loja, Ecuador, 04.00S,79.00W) © Peter Boesman.

0970 3 Amethyst-throated Sunangel 3 Call 0:08 Heliangelus amethysticollis (23/12/1996 07:00h, Betania area, Tachira, Venezuela, 07.29N,72.24W) © Peter Boesman.

0970 4 Amethyst-throated Sunangel 4 Call 0:39 Heliangelus amethysticollis. Fusagasuga (Vereda San Miguel), Colombia, 2510m, 7:25h, 12-12-2006, Songs © Oswaldo Cortes.

0970 5 Amethyst-throated Sunangel 5 Call 0:07 Heliangelus amethysticollis clarisse. Parque Nacional Natural Chingaza, Cundinamarca, Colombia, 2800m, 09:00h, 06-06-2011, N4.44'49" W73.51'21", call, natural vocalization; calls from a foraging male bird. © Andrew Spencer.

0972 1 Tourmaline Sunangel 1 Call 0:10 Heliangelus exortis. Entre La Romelia y El Planchon (PNN Munchique), Charguayaco, Vereda La Romelia, Mpio El Tambo, Cauca, Colombia, 2300m, 07:29h, 27-09-2000, Call © Bernabe Lopez-Lanus.

0972 2 Tourmaline Sunangel 2 Call 0:08 Heliangelus exortis. Guango Lodge, Napo, Ecuador, 1600m, 16:45h, 11-01-2008, S0.23'10" W78.35'44", Calls from a bird at feeders; river and road noise filtered out © Andrew Spencer.

0987 1 Rufous-crested Coquette 1 call 0:27 Lophornis delattrei. (El Valle, Cocle, Panama, 600m, 4:00h, 07-01-2007). A male filmed at very close range. (background: Thick-billed Euphonia). © Ken Allaire

0991 1 Ecuadorian Piedtail 1 Call 0:28 Phlogophilus hemileucurus (15/2/2006 07:00h, Sumaco road, Napo, Ecuador, 00.45S,77.35W) © Peter Boesman.

0993 1 Speckled Hummingbird 1 Song 0:19 Adelomyia melanogenys (21/12/1997 07:00h, Yacambu NP, Lara, Venezuela, 09.43N,69.35W) © Peter Boesman

0993 2 Speckled Hummingbird 2 Song 0:06 Adelomyia melanogenys (31st January 2011 9h00, RNA Reinita Cielo Azul, San Vicente de Chucurí, Santander, Colombia, 1900m, N.50'47" N, 73.22'30" W), © Peter Boesman.

0993 3 Speckled Hummingbird 3 Song 0:05 Adelomyia melanogenys (27/12/1996 06:00h, Matamula area, Tachira, Venezuela, 07.42N,72.26W) © Peter Boesman.

0993 4 Speckled Hummingbird 4 Call 0:11 Adelomyia melanogenys (21/2/2006 09:30h, San Isidro lodge, Napo, Ecuador, 00.40S,77.55W) © Peter Boesman

0993 5 Speckled Hummingbird 5 Call 0:12 Adelomyia melanogenys (31st January 2011 7h00, RNA Reinita Cielo Azul, San Vicente de Chucurí, Santander, Colombia, 1900m, N.50'47" N, 73.22'30" W), At feeder. © Peter Boesman.

0994 1 Blossomcrown 1 Song 0:20 Anthocephala floiceps floiceps. RNA El Dorado, Sierra de Santa Marta, Magdalena, Colombia, 1750m, 08:20h, 03-11-2007, N11.6'28" W74.2'55", lekking, Male. also: Dusky-capped Flycatcher. © Nick Athanas.

0995 1 Long-tailed Sylph 1 Song 0:06 Aglaiocercus kingi (31/7/2009 09:00h, Manu Andean Slope, Cuzco, Peru, 13.10S,71.30W) Song in flight of three male birds. © Peter Boesman

0995 2 Long-tailed Sylph 2 Call 0:09 Aglaiocercus kingi (1/2/1995 , Rancho Grande area, Aragua, Venezuela, 10.21N,67.42W) © Gustavo Rodriguez

0995 3 Long-tailed Sylph 3 Call QQ 0:09 Aglaiocercus kingi (29/7/2000 08:00h, El Morro road, Merida, Venezuela, 08.30N,71.05W) © Peter Boesman

0996 1 Violet-tailed Sylph 1 Call 0:07 Aglaiocercus coelestis (1st January 2010 10h10. P.N. Tatamá, Montezuma trail, near Pueblo Rico, Risaralda, Colombia, 1600m, 5°14'3"N 76° 5'21"W). © Peter Boesman.

0996 2 Violet-tailed Sylph 2 Call 0:31 Aglaiocercus coelestis coelestis. RNA Las Tangaras, Choco, Colombia, 1800m, 14:20h, 24-06-2011, N5.43'44" W76.14'38", Calls from a bird at a bank of feeders. © Andrew Spencer.

0996 3 Violet-tailed Sylph 3 alarm call 0:30 Aglaiocercus coelestis coelestis. Road to San Jose del Palmar, Serrania de las Paraguas, Choco, Colombia, 1800m, 12:20h, 31-07-2008, Alarm calls from a male and female near a Tiny Hawk. also: White-tailed Hillstar © Andrew Spencer.

1007 1 Black-tailed Trainbearer 1 Song 0:16 Lesbia victoriae. Bogota-Quebrada la Vieja, Colombia, 2700m, 08:00h, 12-12-2002, Song © Doug Knapp.

1008 1 Green-tailed Trainbearer 1 Call 0:07 Lesbia nuna (18/7/2009 09:00h, Huacarpay lake, Cuzco, Peru, 13.30S,71.55W) © Peter Boesman.

1010 1 Purple-backed Thornbill 1 Song 0:22 Ramphomicron microrhynchum (6/8/2008 07:30h, Apaya-Andamarca road, Junin, Peru, 11.40S,74.50W) © Peter Boesman

1013 1 Blue-mantled Thornbill 1 Song 0:10 Chalcostigma stanleyi (12/2/2006 08:30h, Papallacta pass, Pichincha, Ecuador, 00.25S,78.08W) © Peter Boesman.

1014 1 Bronze-tailed Thornbill 1 Call 0:08 Chalcostigma heteropogon. Parque Natural Sumapaz, Laguna de Chisaca, Colombia, 3800m, 08:00h, 15-08-2011, Colibri vocalizando en vuelo, mientras atraviesa un sector de frailejones © Oswaldo Cortes.

1016 1 Bearded Helmetcrest 1 Song 1:59 Oxyopogon guerini (9/8/2007 10:00h, Pico El Aguila area, Merida, Venezuela, 08.51N,70.50W) © Peter Boesman.

1016 2 Bearded Helmetcrest 2 Song 0:24 Oxyopogon guerini (9/8/2007 09:00h, Pico El Aguila area, Merida, Venezuela, 08.51N,70.50W) © Peter Boesman.

1019 1 Tyrian Metaltail 1 Song 0:22 Metallura tyrianthina (30/12/1997 08:00h, Guaramacal NP, Trujillo, Venezuela, 09.10N,70.11W) © Peter Boesman.

1019 2 Tyrian Metaltail 2 Song 0:45 Metallura tyrianthina (7th January 2010 8h30, Onzaga road near Soata, Boyaca, Colombia, 6°20'11"N 72°44'11"W). © Peter Boesman.

1019 3 Tyrian Metaltail 3 Call 0:08 Metallura tyrianthina (7/6/1992, Colonia Tovar area, Aragua, Venezuela, 10.24N,67.20W) © Peter Boesman.

1020 1 Viridian Metaltail 1 Song 0:15 Metallura williami williami. El Bosque, Reserva Zona Alta Rio Quindio, Quindio, Colombia, 3400m, 08:30h, 21-11-1998, Song, Polylepis tree area © Bernabe Lopez-Lanus.

1027 1 Greenish Puffleg 1 Song 0:21 Haplophaedia aureliae. Santa Cecilia track, above Paquisha, Zamora-Chinchipe, Ecuador, 1800m, 13:00h, 08-08-2011, S3.55'15" W78.36'18", song, natural vocalization. © Andrew Spencer.

1027 2 Greenish Puffleg 2 Call 0:21 Haplophaedia aureliae caucensis. Entre La Romelia y El Planchon (PNN Munchique), Charguayaco, Vereda La Romelia, Mpio El Tambo, Cauca, Colombia, 2300m, 11:04h, 27-09-2000, Call © Bernabe Lopez-Lanus.

1032 1 Glowing Puffleg 1 Song 0:17 Eriocnemis vestita. Bogota-Quebrada la Vieja, Colombia, 2800m, 07:00h, 12-12-2002, Song © Doug Knapp.

1033 1 Black-thighed Puffleg 1 Call 0:09 Eriocnemis derbyi. El Bosque, Reserva Zona Alta Rio Quindio, Quindio, Colombia, 3100m, 10:00h, 19-11-1998, Call © Bernabe Lopez-Lanus.

1035 1 Coppery-bellied Puffleg 1 Song 0:35 Eriocnemis cupreovertris. Reserva Iguaque (SFF), Villa de Leyva, Boyaca, Colombia, 3000m, 10:47h, 24-08-2000, Song, Perched © Bernabe Lopez-Lanus.

1035 2 Coppery-bellied Puffleg 2 Call 0:05 Eriocnemis cupreovertris. Matererredondo reserva, municipio de Choachi, Colombia, 2800m, 09:10h, 30-10-2008, Flight call © Oswaldo Cortes y Juan Pablo Lopez.

1039 1 Colorful Puffleg 1 Call 0:14 Eriocnemis mirabilis. PNN Munchique, Cerro el Observatorio , Colombia, 2500m, 08:00h, 04-04-2007, N2.17'14" W77.7'26", calls © Oswaldo Cortes y Juan Pablo Lopez.

1040 1	Emerald-bellied Puffleg 1 Call	0:08 Eriocnemis alinae dybowskii. ACP Abra Patricia-Alto Nieva, San Martin, Peru, 2230m, 07:45h, 20-05-2008, S5.42°3' W77.48°44", calls/swing whirs, © Nick Athanas.
1046 1	Bronzy Inca 1 Call	0:15 Coeligena coeligena (21/12/1996 17:00h, Matamula area, Tachira, Venezuela, 07.42N,72.26W) © Peter Boesman
1047 1	Brown Inca 1 Call	0:11 Coeligena wilsoni. Cristal, Esmeraldas, Ecuador, 1600m, 11:00h, 19-01-2008, N0.49°25' W78.30°50", Calls from a bird that inspected me at close range © Andrew Spencer.
1047 2	Brown Inca 2 Call	0:18 Coeligena wilsoni. Cristal, Esmeraldas, Ecuador, 1670m, 14:48h, 04-05-2007, N0.49°25' W78.30°50", Calls given while feeding on a big cluster of yellow flowers growing from small vines on a tree trunk.. also: Orange-bellied Euphonia, © Nick Athanas.
1048 1	Black Inca 1 Call	0:45 Coeligena prunellei (31st January 2011 16h30. RNA Reinita Cielo Azul, San Vicente de Chucurí, Santander, Colombia, 1900m, N.50°47' N, 73.22°30' W), At feeder. © Peter Boesman.
1048 2	Black Inca 2 Call	0:18 Coeligena prunellei (31st January 2011 7h00. RNA Reinita Cielo Azul, San Vicente de Chucurí, Santander, Colombia, 1900m, N.50°47' N, 73.22°30' W), At feeder. © Peter Boesman.
1049 1	Collared Inca 1 Song	0:08 Coeligena torquata torquata. Reserva Tapichalaca, Valladolid, Zamora-Chinchipe, Ecuador, 2400m, 11:45h, 27-12-2007, S4.29°45' W79.7°56", song © Andrew Spencer.
1051 1	Dusky Starfrontlet 1 Call ()	0:04 Coeligena orina (7th February 2011 11h00. RNA El Colibri del Sol, Páramo de Frontino, Antioquia, Colombia, 3200m, 6.26°17'N, 76.5°18' W), © Peter Boesman.
1052 1	Golden-bellied Starfrontlet 1 Song	0:12 Coeligena bonapartei. Bogota-Quebrada la Vieja, Colombia, 2700m, 07:00h, 12-12-2002. Song © Doug Knapp.
1054 1	Buff-winged Starfrontlet 1 Song and call	0:15 Coeligena lutetiae. El Bosque, Reserva Zona Alta Rio Quindio, Quindio, Colombia, 3100m, 09:00h, 19-11-1998, Song & call, Perched (song) and after in flight (call) © Bernabe Lopez-Lanus.
1054 2	Buff-winged Starfrontlet 2 Call	0:40 Coeligena lutetiae. Guango Lodge, Napo, Ecuador, 2600m, 16:20h, 11-01-2008, S0.23°10' W78.35°44", Call from a bird at feeders; river and road noise filtered out © Andrew Spencer.
1057 1	Mountain Velvetbreast 1 Call	0:14 Lafresnaya lafresnayi (6/8/2008 08:00h, Apaya-Andamarca road, Junín, Peru, 11.40S,74.50W) © Peter Boesman.
1057 2	Mountain Velvetbreast 2 Call	0:36 Lafresnaya lafresnayi saul. R.N. Rio Blanco, Caldas, Colombia, 2600m, 13:00h, 19-07-2008, N5.5°0' W75.30°0', Calls from a female feeding at some flowers along the trail © Andrew Spencer.
1057 3	Mountain Velvetbreast 3 Call	0:15 Lafresnaya lafresnayi. Reserva Iguaque (SFF), Villa de Leyva, Boyaca, Colombia, 2850m, 09:51h, 26-06-2002, Call © Bernabe Lopez-Lanus.
1058 1	Sword-billed Hummingbird 1 Call	0:11 Ensifera ensifera (7th February 2011 9h30. RNA El Colibri del Sol, Páramo de Frontino, Antioquia, Colombia, 3200m, 6.26°17'N, 76.5°18' W), © Peter Boesman.
1059 1	Great Sapphirewing 1 Call	0:14 Pterophanes cyanopterus peruvianus. Yanacocha reserve, Pichincha, Ecuador, 3300m, 10:30h, 05-07-2010, S0.10°0' W78.35°0', calls © Andrew Spencer.
1060 1	Buff-tailed Coronet 1 Song	0:48 Boissonneaua flavescens flavescens. R.N. Rio Blanco, Caldas, Colombia, 2600m, 09:50h, 20-07-2008, N5.5°0' W75.30°0', song © Andrew Spencer.
1060 2	Buff-tailed Coronet 2 Song	0:22 Boissonneaua flavescens (29th December 2009 10h00. R.N. Rio Blanco, Caldas, Colombia, 2600m, 5°5' N 75°30'W!). (Background: Black-capped tyrannulet). © Peter Boesman.
1061 1	Chestnut-breasted Coronet 1 Call	1:00 Boissonneaua mathewsii. Reserva Tapichalaca, Valladolid, Zamora-Chinchipe, Ecuador, 2400m, 11:50h, 27-12-2007, S4.29°45' W79.7°56", calls © Andrew Spencer.
1062 1	Velvet-purple Coronet 1 Song	0:13 Boissonneaua jardini. Mindo Loma, Pichincha, Ecuador, 1800m, 09:20h, 18-10-2010, S0.1°13' W78.44°48", song? © Andrew Spencer.
1062 2	Velvet-purple Coronet 2 Call	0:06 Boissonneaua jardini. RNA Las Tangaras, Choco, Colombia, 1800m, 13:00h, 24-06-2011, N5.43°44' W76.14°38", Calls from a bird foraging at some flowers at the edge of a clearing. © Andrew Spencer.
1063 1	Booted Racket-tail 1 Call	0:08 Ocreatus underwoodii (22/12/1996 08:00h, Matamula area, Tachira, Venezuela, 07.42N,72.26W) © Peter Boesman
1063 2	Booted Racket-tail 2 Call	0:15 Ocreatus underwoodii (20/12/1997 19:00h, Yacambu NP, Lara, Venezuela, 09.43N,69.35W) © Peter Boesman.
1063 3	Booted Racket-tail 3 Call	0:14 Ocreatus underwoodii (31st January 2011 9h00. RNA Reinita Cielo Azul, San Vicente de Chucurí, Santander, Colombia, 1900m, N.50°47' N, 73.22°30' W), © Peter Boesman.
1063 4	Booted Raquet tail 4 Call	0:16 Ocreatus underwoodii (3rd January 2010 10h15. Bosque Bremen, Quindio, Colombia, 4°40'26"N 75°37'5"W), © Peter Boesman.
1064 1	White-tailed Hillstar 1 Call	0:21 Urochroa bougueri leucura. La Guatemala, along the Rio Zuñag, Tungurahua, Ecuador, 1300m, 12:10h, 11-09-2011, S1.24°3' W78.11°13", call, natural vocalization; calls from a male bird visiting a flowering tree. © Andrew Spencer.
1064 2	White-tailed Hillstar 2 Alarm call	0:46 Urochroa bougueri bougueri. Road to San Jose del Palmar, Serrania de las Paraguas, Choco, Colombia, 1800m, 12:20h, 31-07-2008, Alarm calls from a bird perched near a Tiny Hawk. also: Violet-tailed Sylph © Andrew Spencer.
1066 1	Rufous-vented Whittip 1 Call	0:26 Urosticte ruficrissa. Santa Cecilia track, above Paquisha, Zamora-Chinchipe, Ecuador. 1600m, 07:00h, 09-08-2011, S3.55°15' W78.36°18", Single call notes from a female bird foraging at some flowers. © Andrew Spencer.
1071 1	Gould's Jewelfront 1 Song	0:10 Heliodoxa aurescens (17/8/1997 11:04h, Rio San Antonio (La Paz), , Bolivia, 13.38S,68.26W) © Sebastian Herzog
1071 2	Gould's Jewelfront 2 Song	1:31 Heliodoxa aurescens. (Shipuno, Huarorani reserve, border of Orellana and Pastaza, Ecuador, 220m, 09:52h, 10-05-2007, S1.10°0' W76.40°0'). (Background: Dusky-capped Greenlet). © Nick Athanas.
1072 1	Fawn-breasted Brilliant 1 Call	1:27 Heliodoxa rubinoides. Reserva Tapichalaca, Valladolid, Zamora-Chinchipe, Ecuador, 2450m, 16:00h, 18 Dec 05, S4.29°45' W79.7°56", calls © Frank Lambert.
1073 1	Green-crowned Brilliant 1 Call	0:30 Heliodoxa jacula. (Cerro Gaital, Cocle Province, Panama, 950m, 10:00h, 09-06-2007). A very territorial bird, seen calling near favored flowers for several weeks. © Ken Allaire.
1075 1	Violet-fronted Brilliant 1 Song	0:12 Heliodoxa leadbeateri (9/3/1997 09:30h, Yacambu NP, Lara, Venezuela, 09.43N,69.35W) © Peter Boesman
1075 2	Violet-fronted Brilliant 2 Song	0:28 Heliodoxa leadbeateri (9/8/2002 09:30h, Cerro de Paja, Carabobo, Venezuela, 10.18N,68.15W) © Peter Boesman
1075 3	Violet-fronted Brilliant 3 Call	0:14 Heliodoxa leadbeateri (13/8/2000 09:00h, Palmichal area, Carabobo, Venezuela, 10.21N,68.12W) © Peter Boesman
1075 4	Violet-fronted Brilliant 4 Call	0:07 Heliodoxa leadbeateri (30/7/2009 11:00h, San Pedro area, Cuzco, Peru, 13.08S,71.35W) © Peter Boesman
1077 1	Giant Hummingbird 1 Song	0:14 Patagona gigas (6/8/2009 07:30h, Chiguata area, , Peru, 16.25S,71.15W) © Peter Boesman.
1077 2	Giant Hummingbird 2 Song	0:23 Patagona gigas (6/8/2009 08:30h, Chiguata area, , Peru, 16.25S,71.15W) © Peter Boesman.
1077 3	Giant Hummingbird 3 Call	0:06 Patagona gigas (6/8/2009 06:30h, Chiguata area, , Peru, 16.25S,71.15W) © Peter Boesman.
1080 1	Long-billed Starthroat 1 Call	0:03 Heliomaster longirostris albicrissa. (Suyo, Piura, Peru, 700m, 15:50h, 06-09-2003). (Background: Tropical Gnatcatcher, Long-tailed Mockingbird). © Nick Athanas.
1082 1	Blue-tufted Starthroat 1 Call	0:19 Heliomaster fuscifer (18/7/2005 15:00h, Chapada dos Guimaraes, Mato Grosso, Brazil, 15.20S,55.50W) © Peter Boesman.
1095 1	Amethyst Woodstar 1 Call	0:01 Calliphlox amethystina (5/8/2003 17:00h, La Sirena, El Palmar, Bolivar, Venezuela, 08.10N,61.55W) © Peter Boesman.
1098 1	Red-billed Emerald 1 Call	0:38 Chlorostilbon gibsoni. Coloso, Sucre, Montes de Maria, Colombia, 300m, 08:00h, 08-08-2011, Female. © Oswaldo Cortes.
1099 1	Blue-tailed Emerald 1 Song	0:56 Chlorostilbon mellisugus. (5th January 2010 6h40. Mana Dulce, Tolima, Colombia, 4° 21' 04"N 74° 39' 06"W). (Background: Barred Antshrike). © Peter Boesman.
1105 1	Short-tailed Emerald 1 Song	0:15 Chlorostilbon poortmani. (Villa de Leyva, Boyaca, Colombia, 7:42h, 23-06-2002). © Bernabe Lopez-Lanus. Song?
1105 2	Short-tailed Emerald 2 Call	0:11 Chlorostilbon poortmani. (Finca Rogitama, Vereda Peñas Blancas, Mpio Arcabuco, Boyaca, Colombia, 2500m, 10:25h, 24-07-2002). © Bernabe Lopez-Lanus.
1106 1	Blue-chinned Sapphire 1 Calls	0:21 Chlorostilbon notatus (9/8/2002 08:00h, Cerro de Paja, Carabobo, Venezuela, 10.18N,68.15W) © Peter Boesman
1107 1	Violet-headed Hummingbird 1 Song	0:18 Klais guimeti (13/8/2000 09:00h, Palmichal area, Carabobo, Venezuela, 10.21N,68.12W) © Peter Boesman
1107 2	Violet-headed Hummingbird 2 Song	0:21 Klais guimeti (11/6/1995 08:45h, Palmichal area, Carabobo, Venezuela, 10.21N,68.12W) © Peter Boesman
1109 1	Scaly-breasted Hummingbird 1 Song	0:12 Phaeochoera cuvierii (01/1990, Chan Chich Lodge, , Belize,) © John Moore.
1110 1	Gray-breasted Sabrewing 1 Call	0:19 Campylopterus largipennis (Yturi Lodge, Sucumbios, Ecuador, 00.34S,76.01W) © John Moore
1110 2	Gray-breasted Sabrewing 2 Call	0:09 Campylopterus largipennis (21/1/2005 10:30h, Carajás, Aguas Claras area, Pará, Brazil, 06.00S,50.30W) © Peter Boesman
1110 3	Gray-breasted Sabrewing 3 Call	0:09 Campylopterus largipennis. (Cristalino Jungle Lodge, MT, Brazil, 250m, 09:00h, 29-08-2009, S9.35°53' W55.55°55"). Calls from a bird that flew up to investigate the recordist. © Andrew Spencer.
1110 4	Gray-breasted Sabrewing 4 Call	0:16 Campylopterus largipennis (March 2009, Guiana trail km 75, Bolivar, Venezuela). © Hans Matheve
1113 1	Lazuline Sabrewing 1 Song	0:18 Campylopterus falcatus (29/6/1996 10:00h, Macarao NP, SW entrance, Miranda, Venezuela, 10.22N,67.05W) © Peter Boesman.
1118 1	White-vented Plumeleteer 1 Call	0:22 Chalybura buffonii (25/11/2003 08:00h, Sozoranga area, Loja, Ecuador, 04.20S,79.48W) © Nick Athanas.
1119 1	Bronze-tailed Plumeleteer 1 call	0:22 Chalybura urochrysis. (La Selva, Sarapiquí, Heredia, Costa Rica, 35m, 10:48h, 09-02-2010, N10.25°53' W84.2°20"). Call given by female perched in understory of forest. © Scott Olmstead
1119 2	Bronze-tailed Plumeleteer 2 call	0:16 Chalybura urochrysis. (Reserva Ecologica Cotacachi-Cayapas, Esmeraldas, Ecuador, 60m, 07:53h, 01-04-2007, N0.41°32' W78.54°34"), Flight calls and wing whirs from male inside primary lowland forest) (background: Stripe-throated Wren) © Nick Athanas.
1121 1	Green-crowned Woodnymph 1 Call	0:28 Thalaurania fannyi hypochlora. Buenaventura Reserve, El Oro, Ecuador, 950m, 09:00h, 19-02-2003, S3.39°0' W79.46°0', Calls from a perched female. © Nick Athanas.
1122 1	Fork-tailed Woodnymph 1 Song	0:21 Thalaurania furcata (22/5/1994, Caño Colorado, Monagas, Venezuela, 09.55N 62.55W) © Peter Boesman
1122 2	Fork-tailed Woodnymph 2 Calls	0:16 Thalaurania furcata. (02-06-1996 07:40h, La Yunga, on road Vallegrande - Masicurí, Santa Cruz, Bolivia. 18°47' S, 63°51' W). A female, perched. At 1750 m. Sebastian K. Herzog.
1128 1	Buffy Hummingbird 1 Song	0:56 Leucippus fallax (28/7/2003 06:30h, Peninsula de Araya, Sucre, Venezuela, 10.40N,63.42W) © Peter Boesman
1128 2	Buffy Hummingbird 2 Song	0:33 Leucippus fallax (6/7/1997 16:00h, Foothills of Serrania de San Luis, Falcon, Venezuela, 11.19N,69.36W) © Peter Boesman.

1128 3 Buffy Hummingbird 3 Song 0:34 *Leucippus fallax* (4/7/1993 , Barquisimeto arid area, Lara, Venezuela, 10.05N,69.30W) © Peter Boesman.

1131 1 Olive-spotted Hummingbird 1 Song 0:32 *Leucippus chlorocercus* (29th July 2010 9h30, Padre Island near Cumaceba lodge, Loreto, Peru, 3°38' S, 73°08' W). © Peter Boesman.

1134 1 Rufous-tailed Hummingbird 1 Song 0:20 *Amazilia tzacati* (8/4/2003 06:45h, Palenque ruins, Chiapas, Mexico, 17.22N,92.00W) © Peter Boesman

1134 2 Rufous-tailed Hummingbird 2 Song 0:09 *Amazilia tzacati* (21/12/1996 07:00h, San Juan de Colon, Tachira, Venezuela, 08.05N,72.16W) © Peter Boesman.

1134 3 Rufous-tailed Hummingbird 3 Call 0:07 *Amazilia tzacati* (18/3/2001 11:00h, Uxpanapa road, Vera Cruz, Mexico, 17.08N,94.55W) © Peter Boesman.

1135 1 Chestnut-bellied Hummingbird 1 song () 0:21 *Amazilia castaneiventris* (7th January 2010 15h20. Soata, Boyaca, Colombia, 6°20'16"N 72°40'37"W). © Peter Boesman.

1138 1 Versicolored Emerald 1 Song QQ 0:10 *Amazilia versicolor* (1/7/1993 , Tumeremo area, Bolivar, Venezuela, 07.20N,61.20W) © Gustavo Rodríguez.

1138 2 Versicolored Emerald 2 Call 0:11 *Amazilia versicolor* (29/7/2004, Itatiaia National Park, Rio de Janeiro, Brazil, 22.25S,44.35W) © Peter Boesman

1140 1 Andean Emerald 1 Song 1:10 *Amazilia franciae* (4th January 2010 6h45. Juntas, Tolima, Colombia, 4°33'56"N 75°19'38"W). © Peter Boesman.

1140 2 Andean Emerald 2 Song 0:24 *Amazilia franciae* (4th January 2010 6h45. Juntas, Tolima, Colombia, 4°33'56"N 75°19'38"W). © Peter Boesman.

1141 1 Glittering-throated Emerald 1 Song 0:05 *Amazilia fimbriata* (6/8/2002 05:30h, Casa Maria, Carabobo, Venezuela, 10.19N,68.15W) © Peter Boesman

1141 2 Glittering-throated Emerald 2 Song 0:23 *Amazilia fimbriata* (23/7/2003 06:00h, Casa Maria, Carabobo, Venezuela, 10.19N,68.15W) © Peter Boesman

1141 3 Glittering-throated Emerald 3 Song 0:18 *Amazilia fimbriata* (23/7/2003 06:00h, Casa Maria, Carabobo, Venezuela, 10.19N,68.15W) © Peter Boesman.

1141 4 Glittering-throated Emerald 4 Calls 0:15 *Amazilia fimbriata* (29/7/2002 08:30h, Gran Sabana northern side, Bolivar, Venezuela, 05.40N,61.20W) © Peter Boesman.

1143 1 Blue-chested Hummingbird 1 Song 0:06 *Amazilia amabilis* (27th December 2009 16h30. La Victoria, Cundinamarca, Colombia, 5°19'55 N 74°55'12"W). © Peter Boesman.

1143 2 Blue-chested Hummingbird 2 Song 0:19 *Amazilia amabilis* (2nd February 2011 15h30. RNA El Paujil, Santander, Colombia, 310m, 6.2°59' N, 74.15°41' W). © Peter Boesman.

1143 3 Blue-chested Hummingbird 3 Song 0:28 *Amazilia amabilis* (3rd February 2011 10h00. RNA El Paujil, Santander, Colombia, 310m, 6.2°59' N, 74.15°41' W). © Peter Boesman.

1146 1 Indigo-capped Hummingbird 1 Song () 0:07 *Amazilia cyanifrons*. Villa de Leyva, Boyaca, Colombia, 2150m, 07:40h, 19-05-2000, Song © Bernabe Lopez-Lanus.

1147 1 Snowy-bellied Hummingbird 1 Call 0:09 *Amazilia edward*. Parque Metropolitano, Panama, Panama, 50m, 10:00h, 17-03-2009, N9.1°28' W79.33°10', call © Andrew Spencer.

1148 1 Green-bellied Hummingbird 1 Song 0:11 *Amazilia viridigaster* (5/7/1994, Soldier's Monument area, Bolivar, Venezuela, 05.54N,61.26W) © Peter Boesman

1148 2 Green-bellied Hummingbird 2 Call 0:09 *Amazilia viridigaster* (29/7/2002 07:30h, Gran Sabana northern side, Bolivar, Venezuela, 05.40N,61.20W) © Peter Boesman.

1150 1 Golden-tailed Sapphire 1 Song 0:25 *Chrysouria oenone* (20/12/2000 13:55h, Yacambu NP, Lara, Venezuela, 09.43N,69.35W) © Chris Sharpe.

1150 2 Golden-tailed Sapphire 2 Song 0:33 *Chrysouria oenone* (21/12/1996, San Juan de Colon, Tachira, Venezuela, 08.05N,72.16W) © Peter Boesman

1150 3 Golden-tailed Sapphire 3 Song 0:06 *Chrysouria oenone* (1/4/1994 , Paria peninsula hills, Sucre, Venezuela, 10.41N,62.37W) © Peter Boesman.

1153 1 Sapphire-throated Hummingbird 1 Song 0:06 *Lepidopygia coeruleogularis coelina*. Alrededores de Cano Clarin Viejo (frente a Barranquilla) , Palermo, Isla Salamanca, Magdalena, Colombia, 2m, 06:45h, 13-05-2001, Song, Bird seen with good light, perched. © Bernabe Lopez-Lanus.

1157 1 Blue-throated Goldentail 1 Song 0:11 *Hylocharis eliciae* (23/12/1991 , Carara NP, Puntarenas, Costa Rica, 09.45N,84.40W) © Peter Boesman.

1157 2 Blue-throated Goldentail 2 Song 0:22 *Hylocharis eliciae*, 18/12/2004, Montibelli, Nicaragua, 400m, © D. Knapp

1158 1 Rufous-throated Sapphire 1 Song 0:10 *Hylocharis sapphirina* (1/11/1993, Junglaven area, Amazonas, Venezuela, 05.00N,66.23W) © Peter Boesman.

1158 2 Rufous-throated Sapphire 2 Song QQ 0:33 *Hylocharis sapphirina*. (Estação Veracruz, Porto Seguro, BA, Brazil, 80m, 05:50h, 25-09-2007, S16.21°33' W39.81°17'). Male on a song perch. (Background: White-flanked Antwren). © Nick Athanas.

1159 1 White-chinned Sapphire 1 Song 0:18 *Hylocharis cyanus* (7/8/2003, Rio Grande area, Bolivar, Venezuela, 08.03N,61.40W) © Peter Boesman

1159 2 White-chinned Sapphire 2 Song 0:21 *Hylocharis cyanus* (23/7/2002 06:30h, Rio Grande area, Bolivar, Venezuela, 08.03N,61.40W) © Peter Boesman

1159 3 White-chinned Sapphire 3 Song 0:31 *Hylocharis cyanus*. (27-04-2008 Oropendola Lodge, Manu, Madre de Dios, Peru, 260m, S12.20°6' W70.43°34'). Male. (Background: Undulated Tinamou, Piratic Flycatcher, Buff-throated Saltator). © David Geale.

1159 4 White-chinned Sapphire 4 Song 0:37 *Hylocharis cyanus*. (Mont Itoupè, French Guiana, 700m, 05-10-2010). (Background: Spot-backed Antbird). © Alexandre Renaudier.

1159 5 White-chinned Sapphire 5 Song Andes 0:28 *Hylocharis cyanus* (1/8/2000 10:00h, Presa Las Cuevas road, Tachira, Venezuela, 07.56N,71.47W) © Peter Boesman

1163 1 Pavonine Quetzal 1 Song 0:11 *Pharomachus pavoninus* (3/9/2000 10:50h, Explorer's Inn, Madre de Dios, Peru, 12.51S,69.18W) © Chris Sharpe

1163 2 Pavonine Quetzal 2 Song 0:59 *Pharomachus pavoninus* (11th August 2010 8h30, Rio Javari, Reserva Natural Palmari, Amazonas, Brazil, 50m, 4°17'20" S, 70°17'41" W). © Peter Boesman.

1163 3 Pavonine Quetzal 3 Song 0:48 *Pharomachus pavoninus*. (Cristalino Jungle Lodge, MT, Brazil, 250m, 08:45h, 03-10-2009, S9.35°53' W55.55°55'). © Andrew Spencer.

1163 4 Pavonine Quetzal 4 Song 0:39 *Pharomachus pavoninus pavoninus*. Mitu, Vaupes, Colombia, 190m, 08:30h, 10-06-2011, N1.14°45' W70.13°44', song, response to playback © Andrew Spencer.

1163 5 Pavonine Quetzal 5 Call 1:07 *Pharomachus pavoninus* (16/2/2006 16:30h, Gareno Lodge, Napo, Ecuador, 01.05S,77.35W) © Peter Boesman

1164 1 Golden-headed Quetzal 1 Song 1:31 *Pharomachus auriceps* (1st January 2010 11h50, P.N. Tatamá, Montezuma trail, near Pueblo Rico, Risaralda, Colombia, 1600m, 5°14'3"N 76° 5'21"W!). © Peter Boesman.

1164 2 Golden-headed Quetzal 2 Song 1:55 *Pharomachus auriceps* (20/1/1998 08:20h, Pico Humboldt trail, Merida, Venezuela, 08.36N,71.05W) © Chris Sharpe

1164 3 Golden-headed Quetzal 3 Call 0:08 *Pharomachus auriceps* (29/7/2000 09:00h, El Morro road, Merida, Venezuela, 08.30N,71.05W) © Peter Boesman

1164 4 Golden-headed Quetzal 4 Call 0:21 *Pharomachus auriceps* (1st January 2010 11h50, P.N. Tatamá, Montezuma trail, near Pueblo Rico, Risaralda, Colombia, 1600m, 5°14'3"N 76° 5'21"W!). © Peter Boesman.

1164 5 Golden-headed Quetzal 5 Call flight 0:07 *Pharomachus auriceps* (29/7/2000 09:00h, El Morro road, Merida, Venezuela, 08.30N,71.05W) © Peter Boesman.

1165 1 White-tipped Quetzal 1 Song 0:38 *Pharomachus fulgidus* (26/3/1995 09:00h, Rancho Grande area, Aragua, Venezuela, 10.21N,67.42W) © Peter Boesman

1165 2 White-tipped Quetzal 2 Song 0:14 *Pharomachus fulgidus* (19/3/1993 , Rancho Grande area, Aragua, Venezuela, 10.21N,67.42W) © Peter Boesman.

1165 3 White-tipped Quetzal 3 Call 0:15 *Pharomachus fulgidus* (29/10/2005 12:00h, Cerro Humo, Sucre, Venezuela, 10.41N,62.37W) © Nick Athanas.

1165 4 White-tipped Quetzal 4 Call 0:03 *Pharomachus fulgidus* (March 2009h, Rancho Grande area, Aragua, Venezuela, 10.21N,67.42W) © Hans Matheve.

1166 1 Crested Quetzal 1 Song 0:12 *Pharomachus antisianus* (11/3/1998 , La Azulita road, Merida, Venezuela, 08.40N,71.24W) © Chris Sharpe

1166 2 Crested Quetzal 2 Song 0:30 *Pharomachus antisianus* (11/3/1998 14:30h, Carbonera, Merida, Venezuela, 08.38N,71.24W) © Chris Sharpe

1166 3 Crested Quetzal 3 Song 0:22 *Pharomachus antisianus* (February 2009, Yacambu NP, Lara, Venezuela) © Hans Matheve.

1166 4 Crested Quetzal 4 Song 0:08 *Pharomachus antisianus* (9th February 2011 7h00. RNA Las Tangaras near Carmen del Atrato, Antioquia, Colombia). © Peter Boesman.

1167 1 Slaty-tailed Trogon 1 song 1:22 *Trogon massena* (18/3/2001 09:30h, Uxpanapa road, Vera Cruz, Mexico, 17.08N,94.55W) © Peter Boesman

1167 2 Slaty-tailed Trogon 2 song 1:09 *Trogon massena*. (20th March 2010 08h20, Esquinas lodge, 100m elev., Piedras Blancas NP, Puntarenas, Costa Rica). (Background: Short-billed Pigeon, Red-capped Manakin). © Peter Boesman.

1167 3 Slaty-tailed Trogon 3 song 1:11 *Trogon massena*. (26th March 2010 08h50, Las Heliconias Lodge, 800m elev., Alajuela, Costa Rica). © Peter Boesman.

1167 4 Slaty-tailed Trogon 4 call 1:27 *Trogon massena*. (13th March 2010 15h30, La Selva biological station, Heredia, Costa Rica). © Peter Boesman.

1167 5 Slaty-tailed Trogon 5 call 0:13 *Trogon massena*. (21st March 2010 07h40, Esquinas lodge, 100m elev., Piedras Blancas NP, Puntarenas, Costa Rica). (Background: Short-billed Pigeon, Chestnut-mandibled Toucan). © Peter Boesman.

1170 1 Black-tailed Trogon 1 Song 0:27 *Trogon melanurus* (1/11/2001, Rio Cristalino Jungle Lodge, Mato Grosso, Brazil, 09.27S,55.54W) © Mark Van Beirs

1170 2 Black-tailed Trogon 2 Song 0:22 *Trogon melanurus* (21/7/2009 09:00h, Manu Amazonia Lodge, Cuzco, Peru, 12.50S,71.15W) © Peter Boesman

1170 3 Black-tailed Trogon 3 Song 1:09 *Trogon melanurus* (22/7/2009 09:00h, Manu Amazonia Lodge, Cuzco, Peru, 12.50S,71.15W) © Peter Boesman

1170 4 Black-tailed Trogon 4 Song () 0:37 *Trogon melanurus* (25/7/2002 06:00h, km 88 area, Bolivar, Venezuela, 06.12N,61.24W) © Peter Boesman

1170 5 Black-tailed Trogon 5 Call 0:20 *Trogon melanurus*. (26th July 2010 9h00, Explornapo, Loreto, Peru, 120 m. 3°10' S, 72°55' W). © Peter Boesman.

1170 6 Black-tailed Trogon 6 Call 0:15 *Trogon melanurus*. (20th July 2010 12h00, Allpahuayo - Mishana Reserve, Loreto, Peru, 120m, S3.50°0' W73.15°0'). © Peter Boesman.

1170 7 Black-tailed Trogon 7 Call 0:24 Trogon melanurus. (Km63 road off BR-174 north of Manaus, AM, Brazil, 100m, 12:30h, 02-02-2006, S2.24°13' W60.0°35'). Male. © Nick Athanas.

1170 8 Black-tailed Trogon 8 Call 0:17 Trogon melanurus. (11-09-2008 15:50h, Pantiacolla Lodge, Manu, Madre de Dios, Peru, 450m, S12.39°36' W71.14°31'). Male. (Background: Yellow-tufted Woodpecker). © David Geale.

1171 1 White-tailed Trogon 1 Song 0:37 Trogon chionurus (2nd February 2011 8h00. RNA El Paujil, Santander, Colombia, 310m, 6.2°59' N, 74.15°41' W), © Peter Boesman.

1171 2 White-tailed Trogon 2 Song 0:47 Trogon chionurus (2nd February 2011 9h30. RNA El Paujil, Santander, Colombia, 310m, 6.2°59' N, 74.15°41' W), © Peter Boesman.

1171 3 White-tailed Trogon 3 Song 0:25 Trogon chionurus (16/4/1995 07:00h, Nusagandi NP, , Panama, 09.20N,78.50W) © Peter Boesman.

1171 4 White-tailed Trogon 4 Song 0:35 Trogon chionurus (25/2/2006 09:30h, Silanche reserve, Pichincha, Ecuador, 00.10N,79.15W) © Peter Boesman.

1171 5 White-tailed Trogon 5 Agitated song 0:47 Trogon chionurus (2nd February 2011 9h30. RNA El Paujil, Santander, Colombia, 310m, 6.2°59' N, 74.15°41' W). © Peter Boesman.

1171 6 White-tailed Trogon 6 Call 0:35 Trogon chionurus (2nd February 2011 9h30. RNA El Paujil, Santander, Colombia, 310m, 6.2°59' N, 74.15°41' W). © Peter Boesman.

1171 7 White-tailed Trogon 7 Call 0:15 Trogon chionurus (25/2/2006 09:30h, Silanche reserve, Pichincha, Ecuador, 00.10N,79.15W) © Peter Boesman.

1171 8 White-tailed Trogon 8 Call 0:11 Trogon viridis (12/4/1997, Fort Sherman, Panama,) © Dodge Engleman.

1172 1 Green-backed Trogon 1 Song 0:42 Trogon viridis (30/7/2002 07:30h, Gran Sabana southern side, Bolivar, Venezuela, 04.59N,60.50W) © Peter Boesman

1172 2 Green-backed Trogon 2 Song 0:47 Trogon viridis (13/2/1994, Rio Grande area, Bolivar, Venezuela, 08.03N,61.40W) © Peter Boesman

1172 3 Green-backed Trogon 3 Song 0:48 Trogon viridis (1/11/1993, Junglaven area, Amazonas, Venezuela, 05.00N,66.23W) © Peter Boesman.

1172 4 Green-backed Trogon 4 Call 0:09 Trogon viridis (28/3/1997 08:00h, Orinoco river islands, Amazonas, Venezuela, 05.24N,67.46W) © Peter Boesman.

1172 5 Green-backed Trogon 5 Call 0:24 Trogon viridis (19th July 2010 07h40, Allpahuayo - Mishana Reserve, Loreto, Peru, 120m, S3.50°0' W73.15°0'). © Peter Boesman.

1172 6 Green-backed Trogon 6 Call 0:20 Trogon viridis (17/7/2006 06:30h, Iacema falls, Presidente Figueiredo, Amazonas, Brazil, 02.00S,60.00W) © Peter Boesman.

1173 1 Gartered Trogon 1 Song 0:48 Trogon caligatus (10/4/2003 13:00h, Campamento Rio Lacandon, Chiapas, Mexico, 16.43N,91.05W) © Peter Boesman

1173 2 Gartered Trogon 2 Song 1:06 Trogon caligatus (11/8/2007 07:00h, Barinitas area, Barinas, Venezuela, 08.46N,70.27W) © Peter Boesman

1173 3 Gartered Trogon 3 song 0:30 Trogon caligatus. (26th March 2010 07h00, Las Heliconias Lodge, 800m elev., Alajuela, Costa Rica). (Background: White-breasted Wood Wren). © Peter Boesman.

1173 4 Gartered Trogon 4 song 1:15 Trogon caligatus. (13th March 2010 9h00, La Selva biological station, Heredia, Costa Rica). (Background: Slaty Spinetail, Bright-rumped Attila, Black-faced Grosbeak). © Peter Boesman.

1173 5 Gartered Trogon 5 Song 0:35 Trogon caligatus (3rd February 2011 9h00. RNA El Paujil, Santander, Colombia, 310m, 6.2°59' N, 74.15°41' W), © Peter Boesman.

1173 6 Gartered Trogon 6 call 0:55 Trogon caligatus. (25th March 2010 11h45, Las Heliconias Lodge, 800m elev., Alajuela, Costa Rica). © Peter Boesman.

1173 7 Gartered Trogon 7 call 0:54 Trogon caligatus (3/2/1993 11:30h, La Selva, Heredia, Costa Rica, 10.20N,84.00W) © Gunter De Smet

1174 1 Amazonian Trogon 1 Song 0:12 Trogon ramonianus (19th July 2010 08h00, Allpahuayo - Mishana Reserve, Loreto, Peru, 120m, S3.50°0' W73.15°0'). (Background: Zimmer's Tody-tyrant). © Peter Boesman.

1174 2 Amazonian Trogon 2 Song 0:44 Trogon ramonianus (17/2/2006 10:00h, Gareno Lodge, Napo, Ecuador, 01.05S,77.35W). Two birds. © Peter Boesman

1174 3 Amazonian Trogon 3 Song 0:56 Trogon ramonianus (19th July 2010 08h00, Allpahuayo - Mishana Reserve, Loreto, Peru, 120m, S3.50°0' W73.15°0'). (Background: Zimmer's Tody-tyrant, Screaming Plha). Two birds. © Peter Boesman.

1174 4 Amazonian Trogon 4 Song 1:10 Trogon ramonianus. (19-10-2009 07:30h, Cristalino Jungle Lodge, MT, Brazil, 250m, S9.35°53' W55.55°55'). © Andrew Spencer.

1176 1 Blue-crowned Trogon 1 Song 0:47 Trogon curucui (30/1/2004 06:45h, Chapada de Araripe, Ceará, Brazil, 07.15S,39.32W) © Peter Boesman

1176 2 Blue-crowned Trogon 2 Song 0:45 Trogon curucui (5th August 2010 16h00, Rio Javari, Reserva Natural Palmarí, Amazonas, Brazil, 50m, 4°17'20" S, 70°17'41" W). © Peter Boesman.

1176 3 Blue-crowned Trogon 3 Song 0:43 Trogon curucui (1/1/2008 06:45h, Morro de Calzada, San Martín, Peru, 06.00S,77.05W) © Peter Boesman

1176 4 Blue-crowned Trogon 4 Song 0:24 Trogon curucui (1/8/2005 07:45h, Pantanal, Pixaim area, Mato Grosso, Brazil, 16.40S,56.50W) © Peter Boesman

1178 1 Black-throated Trogon 1 Song 0:53 Trogon rufus (10th August 2010 16h00, Peruvian side of Rio Javari, Reserva Natural Palmarí, Amazonas, Brazil, 50m, 4°17'20" S, 70°17'41" W). © Peter Boesman

1178 2 Black-throated Trogon 2 Song 0:33 Trogon rufus (21/10/1994 07:30h, Km 85 area, Bolivar, Venezuela, 06.12N,61.23W) © Peter Boesman

1178 3 Black-throated Trogon 3 Song 0:29 Trogon rufus (23/7/2002 07:30h, Rio Grande area, Bolivar, Venezuela, 08.03N,61.40W) © Peter Boesman.

1178 4 Black-throated Trogon 4 Call 0:20 Trogon rufus (21/10/1994 09:20h, Km 85 area, Bolivar, Venezuela, 06.12N,61.23W) © Peter Boesman

1179 1 Collared Trogon 1 Song 0:36 Trogon collaris (23/12/1997 08:00h, Cacao area, Carabobo, Venezuela, 10.20N,68.18W) © Peter Boesman

1179 2 Collared Trogon 2 Song 0:41 Trogon collaris (25/3/1995, Rancho Grande area, Aragua, Venezuela, 10.21N,67.42W) © Peter Boesman.

1179 3 Collared Trogon 3 Song 0:30 Trogon collaris (22/6/1996 08:00h, La Mision Limestone hills, Falcon, Venezuela, 10.51N,68.33W) © Peter Boesman.

1179 4 Collared Trogon 4 Call 0:23 Trogon collaris (31/7/2003 17:00h, Sabana de Piedra - Santa Maria road, Monagas, Venezuela, 10.15N,63.35W) © Peter Boesman.

1179 5 Collared Trogon 5 Call 0:24 Trogon collaris (21/1/1995 16:00h, Caripe area, Monagas, Venezuela, 10.10N,63.31W) © Peter Boesman.

1179 6 Collared Trogon 6 Call 0:18 Trogon collaris (8/3/1997 12:00h, Yacambu NP, Lara, Venezuela, 09.43N,69.35W) © Peter Boesman.

1179 7 Collared Trogon 7 Call 0:38 Trogon collaris (7/8/2002 14:30h, Cerro El Platillon, Guarico, Venezuela, 09.52N,67.30W) © Peter Boesman.

1179 8 Collared Trogon 8 Call and song 0:43 Trogon collaris (31st January 2011 9h00. RNA Reinita Cielo Azul, San Vicente de Chucuri, Santander, Colombia, 1900m, N.50°47' N, 73.22°30' W), © Peter Boesman.

1180 1 Masked Trogon 1 Song 0:41 Trogon personatus (2/12/2006 07:30h, San Isidro lodge, Napo, Ecuador, 00.40S,77.55W) © Peter Boesman

1180 2 Masked Trogon 2 Song 0:40 Trogon personatus (21/6/1992, Yacambu NP, Lara, Venezuela, 09.43N,69.35W) © Peter Boesman.

1180 3 Masked Trogon 3 Song 0:35 Trogon personatus sanctaemartae. RNA El Dorado, Sierra de Santa Marta, Magdalena, Colombia, 1950m, 06:34h, 12-03-2010, N11.6°28' W74.2°55', song © Nick Athanas.

1180 4 Masked Trogon 4 Call 0:18 Trogon personatus (2/8/2002 09:30h, Lower escalera, Bolivar, Venezuela, 06.00N,61.22W) © Peter Boesman.

1180 5 Masked Trogon 5 Call 0:16 Trogon personatus (26/2/1995 10:40h, Upper Azulita road, Merida, Venezuela, 08.36N,71.18W) © Peter Boesman

1180 6 Masked Trogon 6 Call 0:35 Trogon personatus (2nd January 2010 14h30. Bosque Bremen, Quindio, Colombia, 4°40'26" N 75°37'5" W). © Peter Boesman.

1181 1 Ringed Kingfisher 1 Call 0:12 Ceryle torquata (7/2/2004 08:30h, Sao Francisco do Conde, Bahia, Brazil, 12.37S,38.42W) © Peter Boesman

1181 2 Ringed Kingfisher 2 Chatter 0:22 Ceryle torquata (13/5/1995 07:15h, Guataparo area, Carabobo, Venezuela, 10.13N,68.05W) © Peter Boesman

1181 3 Ringed Kingfisher 3 Chatter 0:25 Ceryle torquata (7/8/2004 07:00h, Intervalles National Park, Sao Paulo, Brazil, 24.20S,48.25W) © Peter Boesman

1181 4 Ringed Kingfisher 4 Call and chatter 0:30 Ceryle torquata (4/8/2003 08:00h, Boca de Macareo, Delta Amac, Venezuela, 09.04N,62.03W) © Peter Boesman

1182 1 Belted Kingfisher 1 Call 0:13 Ceryle alcyon. (Congaree NP, SC, USA, 30m, 11-04-2005). © Robin Carter.

1183 1 Amazon Kingfisher 1 Song 1:03 Chloroceryle amazona (25/7/2004 07:45h, Ubatuba - Pica Pau area, Sao Paulo, Brazil, 23.24S,45.05W) © Peter Boesman

1183 2 Amazon Kingfisher 2 Call 0:17 Chloroceryle amazona (23/7/2004 17:45h, Ubatuba - Pica Pau area, Sao Paulo, Brazil, 23.24S,45.05W) © Peter Boesman

1183 3 Amazon Kingfisher 3 Call 0:08 Chloroceryle amazona (1/3/1994, Camani, Amazonas, Venezuela, 05.05N,66.20W) © Gustavo Rodriguez

1183 4 Amazon Kingfisher 4 Chatter 0:09 Chloroceryle amazona (4/8/2000 07:00h, San Silvestre road, Barinas, Venezuela, 08.15N,70.06W) © Peter Boesman

1184 1 Green Kingfisher 1 Call 0:23 Chloroceryle americana (9/1/1993 15:00h, Corcovado NP, Puntarenas, Costa Rica, 08.40N,83.40W) © Gunter De Smet

1184 2 Green Kingfisher 2 Call 0:12 Chloroceryle americana (12/4/1997, Fort Sherman, Panama,) © Dodge Engleman.

1184 3 Green Kingfisher 3 Call 0:03 Chloroceryle americana. (Rio Guanabano, Chiriqui Province, Panama, 5m, 18:10h, 22-03-2009). Calls given by a male bird when another male bird came nearby. © Andrew Spencer.

1185 1 Green-and-rufous Kingfisher 1 Song and call 0:23 Chloroceryle inda (02-05-2009 13:25h, Madre Selva, Loreto, Peru). Ticking calls also this species. © David Geale.

1185 2 Green-and-rufous Kingfisher 2 Call flight 0:12 Chloroceryle inda (29/7/2003 17:30h, Balneario Subucual, Sucre, Venezuela, 10.33N,63.06W) © Peter Boesman

1185 3 Green-and-rufous Kingfisher 3 Call 0:37 Chloroceryle inda (25/8/1994 , Caño Colorado, Monagas, Venezuela, 09.55N,62.55W) © Peter Boesman

1185 4 Green-and-rufous Kingfisher 4 Call 0:04 Chloroceryle inda (25th July 2010 17h00, Explornapo, Loreto, Peru, 120 m. 3°10' S, 72°55' W). © Peter Boesman.

1185 5 Green-and-rufous Kingfisher 5 Call 0:16 Chloroceryle inda. Mitu, Vaupes, Colombia, 190m, 07:45h, 14-06-2011, N1.14'45" W70.13'44", calls, natural vocalization; calls from a flyby bird. © Andrew Spencer.

1186 1 American Pygmy Kingfisher 1 Song 0:10 Chloroceryle aenea (25th July 2010 16h00, Explornapo, Loreto, Peru, 120 m. 3°10' S, 72°55' W). © Peter Boesman.

1186 2 American Pygmy Kingfisher 2 Call 0:14 Chloroceryle aenea (31/7/2003 07:30h, Caño Ajies - Isla Turuepano, Sucre, Venezuela, 10.30N,62.55W) © Peter Boesman

1186 3 American Pygmy Kingfisher 3 Soft call 0:07 Chloroceryle aenea. (23rd March 2010 15h25, Tarcoles mangroves, 0m elev., Puntarenas, Costa Rica). © Peter Boesman.

1186 4 American Pygmy Kingfisher 4 Soft call 0:40 Chloroceryle aenea (10/4/2003 13:00h, Campamento Río Lacandon, Chiapas, Mexico, 16.43N,91.05W) © Peter Boesman

1187 1 Tody Motmot 1 song 0:15 Hylomanes momotula. (26th March 2010 05h35, Las Heliconias Lodge, 800m elev., Alajuela, Costa Rica). (Background: Howler monkey). © Peter Boesman.

1187 2 Tody Motmot 2 song 0:13 Hylomanes momotula. (25th March 2010 16h25, Las Heliconias Lodge, 800m elev., Alajuela, Costa Rica). © Peter Boesman.

1187 3 Tody Motmot 3 call 0:11 Hylomanes momotula. (25th March 2010 16h55, Las Heliconias Lodge, 800m elev., Alajuela, Costa Rica). © Peter Boesman.

1188 1 Broad-billed Motmot 1 Song 0:24 Electron platyrhynchum. (13th March 2010 11h00, La Selva biological station, Heredia, Costa Rica). © Peter Boesman.

1188 2 Broad-billed Motmot 2 Song 0:06 Electron platyrhynchum (22nd July 2010 10h00, Alpahuayo - Mishana Reserve, Loreto, Peru, 120m, S3.50'0" W73.15'0"). © Peter Boesman.

1188 3 Broad-billed Motmot 3 Call 0:28 Electron platyrhynchum (23/7/2009 17:00h, Amazon Manu Lodge, Madre de Dios, Peru, 12.18S,70.48W) © Peter Boesman

1188 4 Broad-billed Motmot 4 call 0:39 Electron platyrhynchum (7/2/1993 08:20h, La Selva, Heredia, Costa Rica, 10.20N,84.00W) © Gunter De Smet

1188 5 Broad-billed Motmot 5 Call 0:30 Electron platyrhynchum (27/7/2009 07:30h, Pantiacolla Lodge, Madre de Dios, Peru, 12.39S,71.14W) © Peter Boesman

1188 6 Broad-billed Motmot 6 call 0:36 Electron platyrhynchum. (13th March 2010 10h00, La Selva biological station, Heredia, Costa Rica). (Background: W Slaty Antshrike, Euphonia). © Peter Boesman.

1189 1 Rufous Motmot 1 Song and duet 0:08 Baryphthengus martii (15/12/1992 06:00h, El Placer, Esmeraldas, Ecuador, 00.50N,78.30W) © Peter Boesman

1189 2 Rufous Motmot 2 Song QQ 0:17 Baryphthengus martii (28/7/2009 06:00h, Pantiacolla Lodge, Madre de Dios, Peru, 12.39S,71.14W) © Peter Boesman

1189 3 Rufous Motmot 3 Song 0:15 Baryphthengus martii (12/7/1997 , Santa Rita, , Panama,) © Dodge Engleman

1189 4 Rufous Motmot 4 Call 0:30 Baryphthengus martii (31st December 2009 9h40. P.N. Tatamá, Montezuma trail, near Pueblo Rico, Risaralda, Colombia, 1600m, 5°14'3"N 76° 52'1"W). © Peter Boesman.

1191 1 Whooping Motmot 1 Song 0:35 Momotus subrufescens (4th January 2010 16h15. Mana Dulce, Tolima, Colombia, 4° 21' 04"N 74° 39' 06"W). (Background: Scrub Greenlet, Rufous-browed Peppershrike). © Peter Boesman.

1191 2 Whooping Motmot 2 Song 0:23 Momotus momota (21/12/1996 06:00h, San Juan de Colon, Tachira, Venezuela, 08.05N,72.16W) © Peter Boesman.

1191 3 Whooping Motmot 3 Bill snapping 0:34 Momotus momota (4/6/1995 10:00h, Palmichal area, Carabobo, Venezuela, 10.21N,68.12W) © Peter Boesman.

1193 1 Amazonian Motmot 1 Song 0:26 Momotus momota (24/3/1997 07:30h, Lower Rio Caura area, Bolivar, Venezuela, 07.15N,65.00W) © Peter Boesman.

1193 2 Amazonian Motmot 2 Song 0:34 Momotus momota (25/7/2005, Rio Cristalino Jungle Lodge, Mato Grosso, Brazil, 09.27S,55.54W) © Peter Boesman

1193 3 Amazonian Motmot 3 Call 0:09 Momotus momota (31/7/2002 05:30h, El Pauji road, Bolivar, Venezuela, 04.36N,61.30W) © Peter Boesman.

1193 4 Amazonian Motmot 4 Rolling duet 0:30 Momotus momota (2/1/2008 08:15h, Quebrada Upaquihua, San Martín, Peru, 06.40S,76.25W) © Peter Boesman

1193 5 Amazonian Motmot 5 Rolling bubble 0:06 Momotus momota (24/3/1997 10:30h, Lower Rio Caura area, Bolivar, Venezuela, 07.15N,65.00W) © Peter Boesman.

1194 1 Andean Motmot 1 Song 0:29 Momotus aequatorialis (3rd January 2010 9h15. Bosque Bremen, Quindío, Colombia, 4° 40'26"N 75°37'5"W). (background: Northern White-crowned Tapaculo). © Peter Boesman.

1194 2 Andean Motmot 2 Begging calls 0:26 Momotus aequatorialis aequatorialis. El 18, Valle del Cauca, Colombia, 1800m, 08:00h, 22-06-2010, N3.297" W76.374", Begging calls from an older fledgling as an adult flew in to feed it © Andrew Spencer.

1195 1 White-eared Jacamar 1 Song 0:18 Galbalcyrhynchus leucotis. (31st July 2010 15h30, Rio Yanayacu near Muyuna lodge, Loreto, Peru, 4°18' S, 73°17' W). © Peter Boesman.

1195 2 White-eared Jacamar 2 Song 0:34 Galbalcyrhynchus leucotis (25th July 2010 17h30, Explornapo, Loreto, Peru, 120 m. 3°10' S, 72°55' W). © Peter Boesman.

1195 3 White-eared Jacamar 3 Call 0:11 Galbalcyrhynchus leucotis (14-02-2002 15:20h, Explorama Lodge, Loreto, Peru. 100 m. 3°20' S, 73°00' W). Ramiro and Virgilio Yabar.

1195 4 White-eared Jacamar 4 Call 0:40 Galbalcyrhynchus leucotis. (3rd August 2010 10h00, Muyuna lodge, Loreto, Peru, 4° 18' S, 73°17' W). (Background: Undulated Tinamou, Scarlet-crowned Barbet). © Peter Boesman.

1198 1 Brown Jacamar 1 Song 0:09 Brachygalba lugubris (14/1/2005, Carajás, Salobo area, Pará, Brazil, 05.55S,50.30W) © Peter Boesman

1198 2 Brown Jacamar 2 Song 0:07 Brachygalba lugubris (18/2/2006 16:30h, Garenó Lodge, Napo, Ecuador, 01.05S,77.35W) © Peter Boesman

1198 3 Brown Jacamar 3 Song 0:12 Brachygalba lugubris (17/10/2005 17:00h, Upata, Bolivar, Venezuela, 08.01N,62.24W) © Nick Athanas.

1199 1 Pale-headed Jacamar 1 Song 0:43 Brachygalba goeringi (1/3/1997 , Hato El Cedral area, Apure, Venezuela, 07.30N,69.17W) © Gustavo Rodriguez.

1199 2 Pale-headed Jacamar 2 Song 0:46 Brachygalba goeringi (February 2009, Hato El Cedral area, Apure, Venezuela, 07.30N,69.17W) © Hans Matheue.

1199 3 Pale-headed Jacamar 3 Song 0:18 Brachygalba goeringi (February 2009, Hato El Cedral area, Apure, Venezuela, 07.30N,69.17W) © Hans Matheue.

1199 4 Pale-headed Jacamar 4 Call 0:05 Brachygalba goeringi (February 2009, Hato El Cedral area, Apure, Venezuela, 07.30N,69.17W) © Hans Matheue.

1202 1 Yellow-billed Jacamar 1 Song 0:18 Galbula albirostris (25/7/2002 08:30h, km 88 area, Bolivar, Venezuela, 06.12N,61.24W) © Peter Boesman

1202 2 Yellow-billed Jacamar 2 Song 0:07 Galbula albirostris (17/7/2006 06:00h, Iracema falls, Presidente Figueiredo, Amazonas, Brazil, 02.00S,60.00W) © Peter Boesman.

1202 3 Yellow-billed Jacamar 3 Call 0:07 Galbula albirostris (11/11/1993 , Junglaven area, Amazonas, Venezuela, 05.00N,66.23W) © Peter Boesman.

1202 4 Yellow-billed Jacamar 4 Call 0:13 Galbula albirostris (30/10/1993 , Lower Rio Caura area, Bolivar, Venezuela, 07.15N,65.00W) © Peter Boesman

1202 5 Yellow-billed Jacamar 5 Call 0:33 Galbula albirostris (30/10/1993 , Lower Rio Caura area, Bolivar, Venezuela, 07.15N,65.00W) © Peter Boesman.

1204 1 Rufous-tailed Jacamar 1 Song 0:32 Galbula ruficauda (31/3/1994 , Caño Colorado, Monagas, Venezuela, 09.55N,62.55W) © Peter Boesman.

1204 2 Rufous-tailed Jacamar 2 Song 0:08 Galbula ruficauda (3/2/2004 07:30h, Crasto forest, Sergipe, Brazil, 11.25S,37.25W) © Peter Boesman.

1204 3 Rufous-tailed Jacamar 3 Song 0:15 Galbula ruficauda (30/7/2005 07:15h, Pantanal, Pixaim area, Mato Grosso, Brazil, 16.40S,56.50W) © Peter Boesman.

1204 4 Rufous-tailed Jacamar 4 Song 0:17 Galbula ruficauda (4th January 2010 17h30. Mana Dulce, Tolima, Colombia, 4° 21' 04"N 74° 39' 06"W). (Background: Great Kiskadee, Rufous-browed Peppershrike). © Peter Boesman.

1204 5 Rufous-tailed Jacamar 5 Call 0:27 Galbula ruficauda (29/1/2004 07:00h, Chapada de Araripe, Ceará, Brazil, 07.15S,39.32W) © Peter Boesman.

1204 6 Rufous-tailed Jacamar 6 Call 0:11 Galbula ruficauda (1/5/1995 06:30h, Serrania de San Luis, Falcon, Venezuela, 11.12N,69.42W) © Peter Boesman.

1204 7 Rufous-tailed Jacamar 7 Agitated calls 0:30 Galbula ruficauda (4/6/1995 09:45h, Palmichal area, Carabobo, Venezuela, 10.21N,68.12W) © Peter Boesman.

1205 1 Green-tailed Jacamar 1 Song 0:33 Galbula galbula (26/3/1997, Lower Rio Caura area, Bolivar, Venezuela, 07.15N,65.00W) © Peter Boesman

1205 2 Green-tailed Jacamar 2 Short song 0:13 Galbula galbula (26/3/1997 08:30h, Lower Rio Caura area, Bolivar, Venezuela, 07.15N,65.00W) © Peter Boesman.

1205 3 Green-tailed Jacamar 3 Call 0:15 Galbula galbula (18/10/2005 08:30h, Rio Grande area, Bolivar, Venezuela, 08.03N,61.40W) © Nick Athanas.

1205 4 Green-tailed Jacamar 4 Call 0:15 Galbula galbula. (Rio Grande, Sierra de Imataca, Bolivar, Venezuela, 280m, 08:30h, 18-10-2005, N8.6'36" W61.40'17"). © Nick Athanas.

1205 5 Green-tailed Jacamar 5 Agitated call 0:36 Galbula galbula (March 2009, Rio Grande area, Bolivar, Venezuela, 08.03N,61.40W) © Hans Matheue.

1206 1 White-chinned Jacamar 1 Song 0:08 Galbula tombacea. (21-12-2007 07:12h, Reserva Natural Palmari, Rio Javari, AM, Brazil, 50m, S4.17'20" W70.17'41"). In flooded varzea.. (background: Plumbeous Pigeon, Pygmy Antwren). © Nick Athanas.

1206 2 White-chinned Jacamar 2 Short song 0:12 Galbula tombacea. (25th July 2010 16h30, Explornapo, Loreto, Peru, 120 m. 3°10' S, 72°55' W). © Peter Boesman.

1206 3 White-chinned Jacamar 3 Call 0:11 Galbula tombacea. (13-02-2002 14:15h. Explorama Lodge, Loreto, Peru. 100 m. 3°20' S, 73°00' W). Ramiro and Virgilio Yabar.

1206 4 White-chinned Jacamar 4 Soft contact calls 0:41 Galbula tombacea. (25th July 2010 16h30, Explornapo, Loreto, Peru, 120 m. 3°10' S, 72°55' W). © Peter Boesman.

1207 1 Bluish-fronted Jacamar 1 Song 1:30 Galbula cyanescens (1/1/2008 11:30h, Morro de Calzada, San Martin, Peru, 06.00S,77.05W) © Peter Boesman

1207 2 Bluish-fronted Jacamar 2 Song 0:43 Galbula cyanescens (6th August 2010 16h00, Peruvian side of the Rio Javari, Reserva Natural Palmari, Amazonas, Brazil, 50m, 4°17'20" S, 70°17'41" W). © Peter Boesman.

1207 3 Bluish-fronted Jacamar 3 Song 0:14 Galbula cyanescens (29/7/2009 14:00h, Pilcopata area, Cuzco, Peru, 12.50S,71.15W) © Peter Boesman

1207 4 Bluish-fronted Jacamar 4 Call 0:24 Galbula cyanescens (1/1/2008 11:30h, Morro de Calzada, San Martin, Peru, 06.00S,77.05W) © Peter Boesman

1207 5 Bluish-fronted Jacamar 5 Call 0:21 Galbula cyanescens (2/1/2008 11:30h, Quebrada Upaquihua, San Martin, Peru, 06.40S,76.25W) © Peter Boesman

1207 6 Bluish-fronted Jacamar 6 Call 0:17 Galbula cyanescens (6th August 2010 16h00, Peruvian side of the Rio Javari, Reserva Natural Palmari, Amazonas, Brazil, 50m, 4°17'20" S, 70°17'41" W). © Peter Boesman.

1208 1 Coppery-chested Jacamar 1 Song 0:48 Galbula pastazae (15/2/2006 08:30h, Sumaco road, Napo, Ecuador, 00.45S,77.35W) © Peter Boesman.

1208 2 Coppery-chested Jacamar 2 Song 0:14 Galbula pastazae (15/2/2006 08:00h, Sumaco road, Napo, Ecuador, 00.45S,77.35W) © Peter Boesman.

1209 1 Purplish Jacamar 1 Song () 0:15 Galbula chalcothorax. (El Para, east of Archidona, Napo, Ecuador, 720m, 09:00h, 21-06-2002, S0.577° W77.4353"). (Background: Crimson-crested Woodpecker, Red-stained Woodpecker, Thrush-like Antpitta, Undulated Antshrike). © Nick Athanas.

1209 2 Purplish Jacamar 2 Call 0:32 Galbula chalcothorax. (24th July 2010 16h00, ACTS Explomapo, Loreto, Peru, 120 m. 3°10' S, 72°55' W). © Peter Boesman.

1209 3 Purplish Jacamar 3 Call 1:15 Galbula chalcothorax. (Yasuni Research Station, Parque Nacional Yasuni, Orellana, Ecuador, 250m, 16:00h, 09-01-2011, S0.4027° W76.2352"). © Andrew Spencer.

1209 4 Purplish Jacamar 4 Call 0:20 Galbula chalcothorax. (14-04-2007 10:39h, Shaima, Zamora-Chinchipe, Ecuador, 980m, S4.1837° W78.410'). Calls from 2-3 birds near a termite nest, possibly inspecting it for nesting. © Nick Athanas.

1210 1 Bronzy Jacamar 1 Song 0:28 Galbula leucogastra (1/2/2006 07:20h, Reserva Biologica da Campina, Amazonas, Brazil, 02.35S,60.01W) © Nick Athanas.

1210 2 Bronzy Jacamar 2 Song 1:30 Galbula leucogastra. (Saint-Georges, piste de Saut Maripa, French Guiana, 100m, 28-05-2011). In response to playback. (Background: Plumbeous Pigeon). © Alexandre Renaudier.

1210 3 Bronzy Jacamar 3 Call and song 0:16 Galbula leucogastra. (Cristalino Jungle Lodge, MT, Brazil, 250m, 15:30h, 09-09-2009, S9.3553° W55.5555"). Calls and some song from a group of four birds. © Andrew Spencer.

1210 6 Bronzy Jacamar 4 Call 0:53 Galbula leucogastra. (Cristalino Jungle Lodge, MT, Brazil, 250m, 15:30h, 09-09-2009, S9.3553° W55.5555"). Calls from a group of four birds. © Andrew Spencer.

1211 1 Paradise Jacamar 1 Song 0:51 Galbula dea (15/1/2005 16:30h, Carajás, Salobo area, Pará, Brazil, 05.55S,50.30W) © Peter Boesman

1211 2 Paradise Jacamar 2 Song 0:43 Galbula dea (15/1/2005 16:00h, Carajás, Salobo area, Pará, Brazil, 05.55S,50.30W) © Peter Boesman.

1211 3 Paradise Jacamar 3 Song 0:51 Galbula dea (3/8/2002 07:30h, Km 67 area, Bolivar, Venezuela, 06.18N,61.16W) © Peter Boesman

1211 4 Paradise Jacamar 4 Call 0:21 Galbula dea (21/7/2005 16:00h, Alta Floresta area, Mato Grosso, Brazil, 09.54S,55.54W) © Peter Boesman

1212 1 Great Jacamar 1 Song 0:48 Jacamerops aureus (3/8/2002 09:00h, Km 67 area, Bolivar, Venezuela, 06.18N,61.16W) © Peter Boesman

1212 2 Great Jacamar 2 Song 0:11 Jacamerops aureus (19/1/2005 08:00h, Carajás, Salobo area, Pará, Brazil, 05.55S,50.30W) © Peter Boesman

1212 3 Great Jacamar 3 Song 0:07 Jacamerops aureus (30/10/1993 , Lower Rio Caura area, Bolivar, Venezuela, 07.15N,65.00W) © Peter Boesman.

1212 4 Great Jacamar 4 Calls 0:27 Jacamerops aureus (3/8/2002 09:00h, Km 67 area, Bolivar, Venezuela, 06.18N,61.16W) © Peter Boesman

1213 1 White-necked Puffbird 1 Song 1:11 Notharchus macrorhynchos (23/7/2006 08:00h, Moises trail, Sao Gabriel da Cachoeira, Amazonas, Brazil, 00.30S,66.30W) © Peter Boesman

1213 2 White-necked Puffbird 2 Song 0:11 Notharchus macrorhynchos (21/7/2005 10:00h, Rio Cristalino Jungle Lodge, Mato Grosso, Brazil, 09.27S,55.54W) © Peter Boesman

1213 3 White-necked Puffbird 3 Song 0:07 Notharchus macrorhynchos (19th July 2010 17h00, Allpahuayo - Mishana Reserve, Loreto, Peru, 120m, S3.50° W73.15°). (Background: Slender-footed Tyrannulet). © Peter Boesman.

1216 1 Black-breasted Puffbird 1 Song 1:11 Notharchus pectoralis (2nd February 2011 16h30, RNA El Paujil, Santander, Colombia, 310m, 6.259° N, 74.1541° W). © Peter Boesman.

1216 2 Black-breasted Puffbird 2 Song 0:24 Notharchus pectoralis. RNA El Paujil, Santander, Colombia, 200m, 11:58h, 02-02-2007, N6.259° W74.1541", song. Response to playback. © Nick Athanas.

1217 1 Brown-banded Puffbird 1 Song 0:18 Notharchus ordii. (Cristalino Jungle Lodge, MT, Brazil, 250m, 17:00h, 17-10-2009, S9.3553° W55.5555"). Song duet © Andrew Spencer.

1217 2 Brown-banded Puffbird 2 Song 0:09 Notharchus ordii (20th July 2010 7h00, Allpahuayo - Mishana Reserve, Loreto, Peru, 120m, S3.50° W73.15°). © Peter Boesman.

1217 3 Brown-banded Puffbird 3 Call 0:35 Notharchus ordii. Mitu, Vaupes, Colombia, 190m. 13:00h, 10-06-2011, N1.1445° W70.1344", Very quiet calls from a bird in response to playback. © Andrew Spencer.

1218 1 Pied Puffbird 1 Song 0:37 Notharchus tectus (La Selva lodge, Napo, Ecuador, 00.30S,76.30W) © John Moore

1218 2 Pied Puffbird 2 Song 0:13 Notharchus tectus. (Rio Grande, Sierra de Imataca, Bolivar, Venezuela, 280m, 15:30h, 18-10-2005, N8.636° W61.4017"). © Nick Athanas.

1219 1 Chestnut-capped Puffbird 1 Song 0:23 Bucco macrodactylus (27/7/2009 07:00h, Pantiacoilla Lodge, Madre de Dios, Peru, 12.39S,71.14W) © Peter Boesman

1219 2 Chestnut-capped Puffbird 2 Call 0:44 Bucco macrodactylus. (Oceania, Madre de Dios, Peru, 250m, 09:30h, 29-10-2009). Very quiet calls given from one of a pair sitting near each other, in response to playback. © Andrew Spencer.

1220 1 Spotted Puffbird 1 Song 0:52 Bucco tamatia. (20-07-2002 11:30h, Manu Wildlife Center, Madre de Dios, Peru. 340 m. 12°57' S, 70°23' W). After playback. Ramiro and Virgilio Yabar.

1220 2 Spotted Puffbird 2 Song 0:24 Bucco tamatia. (08-05-2007 07:22h, Shiripuno, Huaorani reserve, border of Orellana and Pastaza, Ecuador, 220m, S1.617° W76.4354"). Response to playback. (background: Dusky-capped Greenlet). © Nick Athanas

1220 3 Spotted Puffbird 3 Song and interaction calls 2:33 Bucco tamatia. (9th August 2010 17h30, Peruvian side of Rio Javari, Reserva Natural Palmari, Amazonas, Brazil, 50m, 4°17'20" S, 70°17'41" W). © Peter Boesman.

1222 1 Collared Puffbird 1 Duet 0:54 Bucco capensis (26/7/2009 06:00h, Amazon Manu Lodge, Madre de Dios, Peru, 12.18S,70.48W) © Peter Boesman

1222 2 Collared Puffbird 2 Duet 0:30 Bucco capensis (26/7/2009 06:00h, Amazon Manu Lodge, Madre de Dios, Peru, 12.18S,70.48W) © Peter Boesman

1222 3 Collared Puffbird 3 Song 1:09 Bucco capensis (26/7/2009 06:30h, Amazon Manu Lodge, Madre de Dios, Peru, 12.18S,70.48W) © Peter Boesman

1222 4 Collared Puffbird 4 Song 0:27 Bucco capensis (21st July 2010 06h00, Allpahuayo - Mishana Reserve, Loreto, Peru, 120m, S3.50° W73.15°). © Peter Boesman.

1223 1 Barred Puffbird 1 Duet 0:10 Nystalus radiatus (4th January 2010 13h30, Mana Dulce, Tolima, Colombia, 4° 21' 04"N 74° 39' 06"W). (Background: Scrub Greenlet). Two birds. © Peter Boesman.

1223 2 Barred Puffbird 2 Song 0:08 Nystalus radiatus (15/4/1995 06:30h, Darien Cana, Panama, 07.50N,77.40W) © Peter Boesman.

1227 1 Russet-throated Puffbird 1 Song 0:25 Hypnelus ruficollis (28/3/1997 09:30h, Orinoco river islands, Amazonas, Venezuela, 05.24N,67.46W) © Peter Boesman.

1227 2 Russet-throated Puffbird 2 Song 1:25 Hypnelus ruficollis (8/8/2003 05:30h, Villa Lola area, Bolivar, Venezuela, 07.55N,62.00W) © Peter Boesman.

1227 3 Russet-throated Puffbird 3 Song 0:15 Hypnelus ruficollis (12/1997 09:00h, La Mision Limestone hills, Falcon, Venezuela, 10.51N,68.33W) © Peter Boesman.

1227 4 Russet-throated Puffbird 4 Duet 0:31 Hypnelus ruficollis. Finca La Pradera, Parroquia Remolinos, Municipio Puerto Lopez, Meta, Colombia, 400m, 19-04-2000, Song © Bernabe Lopez-Lanus.

1228 1 White-chested Puffbird 1 Song 0:47 Malacoptila fusca fusca. (Reserve Naturelle de la Trinite, French Guiana, 120m, 17-10-2009). At dawn. © Alexandre Renaudier.

1228 2 White-chested Puffbird 2 Call 0:12 Malacoptila fusca (La Selva lodge, Napo, Ecuador, 00.30S,76.30W) © John Moore

1232 1 White-whiskered Puffbird 1 song 0:17 Malacoptila panamensis (15/12/1992 08:00h, El Placer, Esmeraldas, Ecuador, 00.50N,78.30W) © Peter Boesman

1232 2 White-whiskered Puffbird 2 song 0:34 Malacoptila panamensis (12/1/1993 12:50h, Corcovado NP, Puntarenas, Costa Rica, 08.40N,83.40W) © Gunter De Smet

1232 3 White-whiskered Puffbird 3 call 0:14 Malacoptila panamensis (12/1/1993 12:50h, Corcovado NP, Puntarenas, Costa Rica, 08.40N,83.40W) © Gunter De Smet

1233 1 Black-streaked Puffbird 1 Song 0:13 Malacoptila fulvogularis. La Guatemala, along the Rio Zuñag, Tungurahua, Ecuador, 1250m, 08:50h, 05-08-2010, © Andrew Spencer.

1233 2 Black-streaked Puffbird 2 Song 0:10 Malacoptila fulvogularis fulvogularis. Parque Nacional Podocarpus, sector Rio Bombuscaro, Zamora-Chinchipe, Ecuador, 1000m, 10:30h, 27-01-2003, S4.650° W78.5749", Response to playback © Nick Athanas.

1233 3 Black-streaked Puffbird 3 Song 0:33 Malacoptila fulvogularis. Abra Maruncunca, Puno, Peru, 2050m, 14:00h, 08-11-2009, S14.140° W69.170", Rresponse to playback © Andrew Spencer.

1234 1 Moustached Puffbird 1 Song 0:13 Malacoptila mystacalis (13/10/2005 14:15h, Rancho Grande area, Aragua, Venezuela, 10.21N,67.42W) © Nick Athanas.

1234 2 Moustached Puffbird 2 Song 0:24 Malacoptila mystacalis (31/7/1999 , Rancho Grande area, Aragua, Venezuela, 10.21N,67.42W) © Peter Boesman.

1234 3 Moustached Puffbird 3 Call 0:58 Malacoptila mystacalis. RNA Arriero Antioqueño, Anorí, Antioquia, Colombia, 1800m, 15:00h, 16-06-2011, N6.5910° W75.730". Called from one of a pair, I suspect near a nest. © Andrew Spencer.

1235 1 Lanceolated Monklet 1 Song 0:38 Micromonacha lanceolata. (27-06-2003 08:00h, Milpe, Pichincha, Ecuador, 1150m, N0.143° W78.5146"). (Background: Golden-bellied Warbler, Ornate Flycatcher). © Nick Athanas.

1235 2 Lanceolated Monklet 2 Song 0:32 Micromonacha lanceolata (25th July 2010 6h00, ACTS Explomapo, Loreto, Peru, 120 m. 3°10' S, 72°55' W). (Background: White-throated Toucan, Bright-rumped Attila). © Peter Boesman.

1235 3 Lanceolated Monklet 3 Song and agitated calls 0:26 Micromonacha lanceolata (24th July 2010 6h00, ACTS Explomapo, Loreto, Peru, 120 m. 3°10' S, 72°55' W). (Background: Bright-rumped Attila). © Peter Boesman.

1235 4 Lanceolated Monklet 4 Calls 0:33 Micromonacha lanceolata (24th July 2010 6h00, ACTS Explomapo, Loreto, Peru, 120 m. 3°10' S, 72°55' W). (Background: Bright-rumped Attila). © Peter Boesman.

1236 1 Rusty-breasted Nunlet 1 Song 1:49 Nonnula rubecula. (24th July 2010 17h30, ACTS Explornapo, Loreto, Peru, 120 m. 3°10' S, 72°55' W). © Peter Boesman.

1236 2 Rusty-breasted Nunlet 2 Song 0:31 Nonnula rubecula simulatrix. Mitu, Vaupes, Colombia, 190m, 08:10h, 10-06-2011, N1.14'45" W70.13'44", song, natural vocalization © Andrew Spencer.

1238 1 Brown Nunlet 1 Song 0:17 Nonnula brunnea. Tierra Blanca, Loreto, Peru, 150m, 08:25h, 14-05-2008, S4.16'56" W77.14'26", song, Response to playback.. also: Gray-fronted Dove © Nick Athanas.

1238 2 Brown Nunlet 2 Song 0:19 Nonnula brunnea (19th July 2010 07h00, Alpahuayo - Mishana Reserve, Loreto, Peru, 120m, S3.50'0" W73.15'0"), © Peter Boesman.

1238 3 Brown Nunlet 3 Call 0:29 Nonnula brunnea. Alpahuayo-Mishana Reserve, Loreto, Peru, 150m, 07:30h, 29-12-2009, S3.50'0" W73.15'0", call. © Andrew Spencer.

1242 1 White-faced Nunbird 1 Song 0:25 Hapaloptila castanea. Tandayapa Bird Lodge, Tandayapa Lodge, Pichincha, Ecuador, 1800m, 08:00h, 10-12-2005, N0.0'36" W78.40'39", Typical song. © Nick Athanas.

1243 1 Black Nunbird 1 Song 0:22 Monasa atra (1/11/1993, Junglaven area, Amazonas, Venezuela, 05.00N,66.23W) © Peter Boesman

1243 2 Black Nunbird 2 Song 0:09 Monasa atra (1/11/1993, Junglaven area, Amazonas, Venezuela, 05.00N,66.23W) © Peter Boesman.

1244 1 Black-fronted Nunbird 1 Song 0:50 Monasa nigrifrons (21/12/2008 09:15h, Quebrada Upaquihua, San Martín, Peru, 06.40S,76.25W) © Peter Boesman

1244 2 Black-fronted Nunbird 2 Song 0:24 Monasa nigrifrons (11th August 2010 16h30, Peruvian side of Río Javari, Reserva Natural Palmari, Amazonas, Brazil, 50m, 4°17'20" S, 70°17'41" W). © Peter Boesman.

1244 3 Black-fronted Nunbird 3 Song 0:23 Monasa nigrifrons (29/6/1995 14:00h, Manu Amazonia Lodge, Cuzco, Peru, 12.00S,71.00W) © Peter Boesman

1244 4 Black-fronted Nunbird 4 Song 1:06 Monasa nigrifrons (20/7/2005, Rio Cristalino Jungle Lodge, Mato Grosso, Brazil, 09.27S,55.54W) © Peter Boesman

1244 5 Black-fronted Nunbird 5 Call 0:10 Monasa nigrifrons (28th July 2010 15h30, Cumaceba lodge, Loreto, Peru, 3°38' S, 73°08' W). © Peter Boesman.

1245 1 White-fronted Nunbird 1 Song 1:12 Monasa morphoeus (22/7/2006 09:00h, Tabajos tracks, Sao Gabriel da Cachoeira, Amazonas, Brazil, 00.10S,67.00W) © Peter Boesman

1245 2 White-fronted Nunbird 2 Song 0:19 Monasa morphoeus (15/1/2005, Carajás, Salobo area, Pará, Brazil, 05.55S,50.30W) © Peter Boesman

1245 3 White-fronted Nunbird 3 Call 0:37 Monasa morphoeus (20/7/2006 08:00h, Tabajos tracks, Sao Gabriel da Cachoeira, Amazonas, Brazil, 00.10S,67.00W) © Peter Boesman

1246 1 Yellow-billed Nunbird 1 Song 0:34 Monasa flavirostris (29/7/2009 14:00h, Pilcopata area, Cuzco, Peru, 12.50S,71.15W) © Peter Boesman

1246 2 Yellow-billed Nunbird 2 Song 0:14 Monasa flavirostris (19th July 2010 17h00, Alpahuayo - Mishana Reserve, Loreto, Peru, 120m, S3.50'0" W73.15'0"). (Background: Buff-throated Woodcreeper). © Peter Boesman.

1246 3 Yellow-billed Nunbird 3 Call 0:18 Monasa flavirostris (29/7/2009 14:00h, Pilcopata area, Cuzco, Peru, 12.50S,71.15W) © Peter Boesman

1247 1 Swallow-winged Puffbird 1 Call 0:10 Chelidoptera tenebrosa (Sacha Lodge, Napo, Ecuador, 00.32S,76.23W) © John Moore

1247 2 Swallow-winged Puffbird 2 Call 0:19 Chelidoptera tenebrosa. (Awala-Yalimapo, Coswine, French Guiana, 31-10-2010), Alarm call, a bird with bill full of food alarming above me. (Background: Dusky Antbird, Cinereous Tinamou, Crested Oropendola, Forest Elaenia). © Alexandre Renaudier.

1247 3 Swallow-winged Puffbird 3 Song 0:29 Chelidoptera tenebrosa. (Capuchinbird Road, Venezuela, 16:45h, 02-01-2007). This bird was sallying out from a single perch, but only gave this call for about a minute of the half-hour observation. © Andrew Spencer.

1248 1 Scarlet-crowned Barbet 1 Song 1:11 Capito aurovirens. (3rd August 2010 10h00, Muyuna lodge, Loreto, Peru, 4°18' S, 73°17' W). © Peter Boesman.

1248 2 Scarlet-crowned Barbet 2 Song 0:52 Capito aurovirens. (28th July 2010 14h30, Cumaceba lodge, Loreto, Peru, 3°38' S, 73°08' W). © Peter Boesman.

1248 3 Scarlet-crowned Barbet 3 Song 0:41 Capito aurovirens. (2nd August 2010 7h30, Rio Yanayacu area near Muyuna lodge, Loreto, Peru, 4°18' S, 73°17' W). © Peter Boesman.

1251 1 Orange-fronted Barbet 1 Song 0:06 Capito squamatus (20/12/1993, Rio Palenque, Los Rios, Ecuador, 00.25S,79.25W) © Peter Boesman.

1251 2 Orange-fronted Barbet 2 Song 0:08 Capito squamatus (20/12/1993, Rio Palenque, Los Rios, Ecuador, 00.25S,79.25W) © Peter Boesman.

1252 1 White-mantled Barbet 1 Song 0:47 Capito hypoleucus (27th December 2009 17h15. La Victoria, Cundinamarca, Colombia, 5°19'55 N 74°55'12"W). © Peter Boesman.

1252 2 White-mantled Barbet 2 Song 1:05 Capito hypoleucus (31st January 2011 8h00. RNA Reinita Cielo Azul, San Vicente de Chucurí, Santander, Colombia, 1900m, N.50'47" N, 73.22'30" W), (Background: Collared Forest-falcon, Immaculate Antbird, Omate Flycatcher) © Peter Boesman.

1252 3 White-mantled Barbet 3 Song 0:22 Capito hypoleucus extinctus. Bellavista Reserve, Victoria, Caldas, Colombia, 950m, 08:10h, 30-06-2011, N5.25'51" W74.54'57", song, natural vocalization © Andrew Spencer.

1252 4 White-mantled Barbet 4 Call 0:35 Capito hypoleucus (31st January 2011 8h00. RNA Reinita Cielo Azul, San Vicente de Chucurí, Santander, Colombia, 1900m, N.50'47" N, 73.22'30" W), (Background: Collared Forest-falcon, Ruddy Pigeon, Three-striped Warbler). © Peter Boesman.

1254 1 Five-colored Barbet 1 Call and song 0:25 Capito quinticolor. Humedal de Yalare, south of San Lorenzo, Esmeraldas, Ecuador, 30m, 09:22h, 04-04-2007, N1.5'54" W78.50'26", call/song, Response to playback. Wierd grunting call then typical song. © Nick Athanas.

1257 1 Gilded Barbet 1 Song 0:09 Capito auratus (1/11/2008 07:45h, Morro de Calzada, San Martín, Peru, 06.00S,77.05W) © Peter Boesman

1257 2 Gilded Barbet 2 Song 0:10 Capito auratus (28/3/1997, Gavilan road, Amazonas, Venezuela, 05.36N,67.12W) © Peter Boesman

1257 3 Gilded Barbet 3 Song 0:09 Capito auratus (26/3/1997 18:00h, Lower Rio Caura area, Bolivar, Venezuela, 07.15N,65.00W) © Peter Boesman.

1257 4 Gilded Barbet 4 Call 0:31 Capito auratus (29/12/2007 14:30h, Abra Patricia road, San Martín, Peru, 05.50S,77.46W) © Peter Boesman

1257 5 Gilded Barbet 5 Soft calls 0:31 Capito auratus (24th July 2010 9h00, ACTS Explornapo, Loreto, Peru, 120 m. 3°10' S, 72°55' W). (Background: Dusky-capped Greenlet). © Peter Boesman.

1258 1 Lemon-throated Barbet 1 Song 0:53 Eubucco richardsoni (22/7/2009 07:00h, Manu Amazonia Lodge, Cuzco, Peru, 12.50S,71.15W) © Peter Boesman

1260 1 Red-headed Barbet 1 Song 0:36 Eubucco bourcierii (28/8/2000 11:00h, Obra la Toma, Tachira, Venezuela, 07.56N,71.43W) © Peter Boesman

1260 2 Red-headed Barbet 2 Song 0:10 Eubucco bourcierii (5th February 2011 7h00. La Romera near Medellin, Antioquia, Colombia). © Peter Boesman.

1260 3 Red-headed Barbet 3 Song 0:07 Eubucco bourcierii (5th February 2011 7h00. La Romera near Medellin, Antioquia, Colombia). © Peter Boesman.

1260 4 Red-headed Barbet 4 Call 0:04 Eubucco bourcierii (27/2/1995 17:30h, San Isidro area, Barinas, Venezuela, 08.52N,70.36W) © Peter Boesman

1262 1 Toucan Barbet 1 Duet 0:49 Semnornis ramphastinus (1st January 2010 11h50. P.N. Tamamá, Montezuma trail, near Pueblo Rico, Risaralda, Colombia, 1600m, 5°14'33" N 76° 5'21" W). (Background: Rufous Motmot, Golden-headed Quetzal). © Peter Boesman.

1262 2 Toucan Barbet 2 Duet 0:34 Semnornis ramphastinus caucae. RNA Las Tangaras, Choco, Colombia, 1800m, 08:20h, 24-06-2011, N5.43'44" W76.14'38", Song from a pair of birds that were part of a group of four that was interacting with another group. © Andrew Spencer.

1262 3 Toucan Barbet 3 Bill snapping 0:28 Semnornis ramphastinus. Nariño; La Planada, Colombia, N1.8'59" W77.59'23", bill-snapping. © Frank Lambert.

1262 4 Toucan Barbet 4 Bill snapping 0:25 Semnornis ramphastinus caucae. RNA Las Tangaras, Choco, Colombia, 1800m, 08:20h, 24-06-2011, N5.43'44" W76.14'38", Bill snaps from a bird part of a group of four that was interacting with another group © Andrew Spencer.

1264 1 Black-mandibled Toucan 1 Song 0:23 Ramphastos ambiguus (21/12/1996 09:00h, San Juan de Colon, Tachira, Venezuela, 08.05N,72.16W) © Peter Boesman

1264 2 Black-mandibled Toucan 2 Song 0:34 Ramphastos ambiguus (28/2/1995 10:00h, San Isidro area, Barinas, Venezuela, 08.52N,70.36W) © Peter Boesman

1264 3 Black-mandibled Toucan 3 Song 0:27 Ramphastos ambiguus (23/2/2000 15:50h, Ayapaina, Serranía de Canobatupe, Zulia, Venezuela, 10.03N,72.46W) © Chris Sharpe.

1264 4 Black-mandibled Toucan 4 Song 0:55 Ramphastos ambiguus (February 2009, Rio Frio, Merida, Venezuela) © Hans Matheve.

1264 5 Chestnut-mandibled Toucan Song 0:26 Ramphastos swainsonii swainsonii. RNA El Paujil, Serranía de las Quinchas, Santander, Colombia, Colombia, 200m, 22-04-2007, N5.56'0" W74.11'0", song, bird not seen © Frank Lambert.

1265 1 White-throated Toucan 1 Song 0:32 Ramphastos tucanus (30/7/2002 09:00h, Gran Sabana southern side, Bolivar, Venezuela, 04.59N,60.50W) © Peter Boesman

1265 2 White-throated Toucan 2 Song 0:19 Ramphastos tucanus (5/3/1994, Caño Colorado, Monagas, Venezuela, 09.55N,62.55W) © Peter Boesman.

1265 3 White-throated Toucan 3 Song 0:17 Ramphastos cuvieri (1/11/1993, Junglaven area, Amazonas, Venezuela, 05.00N,66.23W) © Peter Boesman.

1265 4 White-throated Toucan 4 Song 0:42 Ramphastos tucanus (5/8/2003 17:00h, La Sirena, El Palmar, Bolivar, Venezuela, 08.10N,61.55W) © Peter Boesman.

1265 5 White-throated Toucan 5 Song 0:38 Ramphastos tucanus (5/8/2003 17:00h, La Sirena, El Palmar, Bolivar, Venezuela, 08.10N,61.55W) © Peter Boesman.

1266 1 Keel-billed Toucan 1 Song 0:13 Ramphastos sulfuratus (15/4/1995 17:00h, Darien Cana, Darien, Panama, 07.50N,77.40W) © Peter Boesman

1266 2 Keel-billed Toucan 2 Song 0:29 Ramphastos sulfuratus. (24th March 2010 17h05, Las Heliconias Lodge, 800m elev., Alajuela, Costa Rica). © Peter Boesman.

1267 1 Choco Toucan 1 Song 0:21 Ramphastos brevis (25/2/2006 09:00h, Silanche reserve, Pichincha, Ecuador, 00.10N,79.15W) © Peter Boesman.

1268 1 Channel-billed Toucan 1 Song 0:48 Ramphastos vitellinus (5/8/2003 18:00h, La Sirena, El Palmar, Bolivar, Venezuela, 08.10N,61.55W) © Peter Boesman

1268 2 Channel-billed Toucan 2 Song 0:10 Ramphastos vitellinus (31/3/1994, Caño Colorado, Monagas, Venezuela, 09.55N,62.55W) © Peter Boesman.

1268 3 Channel-billed Toucan 3 Song 1:07 Ramphastos vitellinus culminatus. Mitu, Vaupes, Colombia, 190m, 15:50h, 10-06-2011, N1.14'45" W70.13'44", Song from two-three birds © Andrew Spencer.

1268 4 Channel-billed Toucan 4 Song 0:16 Ramphastos culminatus (13/10/2000 17:00h, Gavilan road, Amazonas, Venezuela, 05.36N,67.12W) © Chris Sharpe

1270 1 Emerald Toucanet 1 Song 0:19 Aulacorhynchus prasinus (8/3/1997 09:00h, Yacambu NP, Lara, Venezuela, 09.43N,69.35W) © Peter Boesman

1270 2 Emerald Toucanet 2 Song 0:30 Aulacorhynchus prasinus (26/2/1995 10:30h, Upper Azulita road, Merida, Venezuela, 08.36N,71.18W) © Peter Boesman.

1270 4 Emerald Toucanet 4 Call Santa Marta 0:36 Aulacorhynchus prasinus (3/1/1994 10:15h, Santa Marta Lorenzo road, Magdalena, Colombia, 11.00N,73.40W) © Peter Boesman.

1270 5 Emerald Toucanet 5 Call Santa Marta 0:10 Aulacorhynchus prasinus lautus. San Lorenzo arriba (PNN Sierra Nevada de Santa Marta), Vereda San Lorenzo, Mpio San Lorenzo, Magdalena, Colombia, 2600m, amh, 02-11-2000, Song © Bernabe Lopez-Lanus.

1270 6 Emerald Toucanet 6 Call 0:07 Aulacorhynchus prasinus (29/12/1997 07:00h, Guaramacal NP, Trujillo, Venezuela, 09.10N,70.11W) © Peter Boesman.

1270 7 Emerald Toucanet 7 Call 0:14 Aulacorhynchus prasinus (1st January 2010 11h00. P.N. Tatamá, Montezuma trail, near Pueblo Rico, Risaralda, Colombia, 1600m, 5°14'3"N 76° 5'21"W)). © Peter Boesman.

1271 1 Groove-billed Toucanet 1 Song 0:29 Aulacorhynchus calorhynchus (27/7/2000 11:00h, Finca Monteverde at Olinda II, Merida, Venezuela, 08.45N,71.28W) © Peter Boesman

1271 2 Groove-billed Toucanet 2 Song 0:23 Aulacorhynchus calorhynchus (26/2/1995 07:15h, La Azulita road, Merida, Venezuela, 08.40N,71.24W) © Peter Boesman.

1271 3 Groove-billed Toucanet 3 Song Santa Marta QQ 0:36 Aulacorhynchus calorhynchus. Above RNA El Dorado, Sierra de Santa Marta, Magdalena, Colombia, 1600m, 11:00h, 7 Feb 2010, N11.6'28" W74.2'55", Song, © Frank Lambert.

1272 1 Chestnut-tipped Toucanet 1 Song 0:21 Aulacorhynchus derbianus (4/1/2008 09:00h, Abra Patricia road, San Martín, Peru, 05.50S,77.46W) © Peter Boesman

1272 2 Chestnut-tipped Toucanet 2 Song 0:17 Aulacorhynchus derbianus (4/1/2008 09:00h, Abra Patricia road, San Martín, Peru, 05.50S,77.46W) © Peter Boesman

1272 3 Chestnut-tipped Toucanet 3 Song () 0:46 Aulacorhynchus derbianus (2/8/2002 07:00h, Lower escalera, Bolivar, Venezuela, 06.00N,61.22W) © Peter Boesman

1273 1 Crimson-rumped Toucanet 1 Song 0:18 Aulacorhynchus haematopygus (20/12/1993 , Rio Palenque, Pichincha, Ecuador, 00.25S,79.25W) © Peter Boesman

1273 2 Crimson-rumped Toucanet 2 Song 1:27 Aulacorhynchus haematopygus (3rd January 2010 10h40. Bosque Bremen, Quindío, Colombia, 4°40'26"N 75°37'5"W). © Peter Boesman.

1273 3 Crimson-rumped Toucanet 3 Song 0:44 Aulacorhynchus haematopygus haematopygus. RNA Arrierito Antioqueño, Anorí, Antioquia, Colombia, 1820m, 09:03h, 12-02-2007, Song, also: Andean Solitaire, Stiles's Tapaculo, Uniform Antshrike © Nick Athanas.

1276 1 Gray-breasted Mountain-Toucan 1 Song 0:41 Andigena hypoglauca (6/8/2008 14:00h, Apaya-Andamarca road, Junin, Peru, 11.40S,74.50W) © Peter Boesman.

1276 2 Gray-breasted Mountain-Toucan 2 Song and bill rattle 0:15 Andigena hypoglauca (7/1/2008 08:50h, Abra Barra Negro, Amazonas, Peru, 06.46S,77.50W) © Peter Boesman.

1276 3 Gray-breasted Mountain-Toucan 3 Call 0:20 Andigena hypoglauca (6/8/2008 16:30h, Apaya-Andamarca road, Junin, Peru, 11.40S,74.50W) © Peter Boesman.

1276 4 Gray-breasted Mountain-Toucan 4 Call 0:29 Andigena hypoglauca (20/7/2009 06:30h, Manu road high, , Peru, 13.12S,71.35W) © Peter Boesman.

1276 5 Gray-breasted Mountain-Toucan 5 Call 0:16 Andigena hypoglauca (25/12/1993 16:00h, Podocarpus Cajanuma, Loja, Ecuador, 04.20S,79.10W) © Peter Boesman.

1276 6 Gray-breasted Mountain-Toucan 6 Call 0:19 Andigena hypoglauca hypoglauca. Finca La Carbonera (canon del río Toche), Tolima, Colombia, 2800m, 07:51h, 09-06-1998, Call © Bernabe Lopez-Lanus.

1277 1 Plate-billed Mountain-Toucan 1 Song 0:22 Andigena laminirostris. Tandayapa Valley, Pichincha, Ecuador, 2280m, 07:00h, 10-01-2003, S0.10° W78.4'10", song, © Nick Athanas.

1277 2 Plate-billed Mountain-Toucan 2 Call 2:15 Andigena laminirostris.Tandayapa Valley, Pichincha, Ecuador, 2200m, 11:20h, 02-07-2010, S0.10° W78.4'10", tongue-rattle and calls © Andrew Spencer.

1279 1 Black-billed Mountain-Toucan 1 Song 0:14 Andigena nigrirostris (23/7/2000 09:00h, Dinira National Park, Lara, Venezuela, 09.42N,70.03W) © Peter Boesman

1279 2 Black-billed Mountain-Toucan 2 Song 0:21 Andigena nigrirostris (9th January 2010 7h15. Parque Nacional Chingazo, Cundinamarca, Colombia 4°47'2."N 73°46'32"W). (Background: Yellow-faced Redstart). © Peter Boesman.

1279 3 Black-billed Mountain-Toucan 3 Song 0:15 Andigena nigrirostris (9th January 2010 9h00. Parque Nacional Chingazo, Cundinamarca, Colombia 4°47'2."N 73°46'32"W). © Peter Boesman.

1279 4 Black-billed Mountain-Toucan 4 Bill rattle 0:54 Andigena nigrirostris (23/7/2000 07:00h, Dinira National Park, Lara, Venezuela, 09.42N,70.03W) © Peter Boesman

1279 5 Black-billed Mountain-Toucan 5 Bill rattle 1:01 Andigena nigrirostris (9th January 2010 9h00. Parque Nacional Chingazo, Cundinamarca, Colombia 4°47'2."N 73°46'32"W). © Peter Boesman.

1280 1 Yellow-eared Toucanet 1 song 0:38 Selenidera spectabilis. (25th March 2010 16h45, Las Heliconias Lodge, 800m elev., Alajuela, Costa Rica). © Peter Boesman.

1280 2 Yellow-eared Toucanet 2 song 0:40 Selenidera spectabilis. (Las Minas (Caribbean), Cocle, Panama, 1000m, 9:00h, 17-10-2008). More than one bird. © Ken Allaire.

1282 1 Golden-collared Toucanet 1 Song 0:21 Selenidera reinwardtii (20th July 2010 14h00, Allpahuayo - Mishana Reserve, Loreto, Peru, 120m, S3.500° W73.150°). © Peter Boesman.

1282 2 Golden-collared Toucanet 2 Song 0:51 Selenidera reinwardtii (20th July 2010 14h00, Allpahuayo - Mishana Reserve, Loreto, Peru, 120m, S3.500° W73.150°). (Background: Channel-billed Toucan, Zimmer's Tody-tyrant). © Peter Boesman.

1282 3 Golden-collared Toucanet 3 Song 1:06 Selenidera reinwardtii (26/7/2009 07:30h, Amazon Manu Lodge, Madre de Dios, Peru, 12.18S,70.48W) © Peter Boesman

1283 1 Tawny-tufted Toucanet 1 Song 0:18 Selenidera nattereri (20/7/2006 16:30h, Cucuy road north of Sao Gabriel da Cachoeira, Amazonas, Brazil, 00.01N,66.30W) © Peter Boesman.

1287 1 Green Aracari 1 Call 0:09 Pteroglossus viridis viridis. (Saül, French Guiana, 230m, 8:00h, 30-12-2005, N3.00° W53.120°). © Alexandre Renaudier.

1288 1 Lettered Aracari 1 Call 0:31 Pteroglossus inscriptus (23/7/2009 06:30h, Amazon Manu Lodge, Madre de Dios, Peru, 12.18S,70.48W) © Peter Boesman

1288 2 Lettered Aracari 2 Call 0:09 Pteroglossus inscriptus (19/7/2005 14:00h, Chapada dos Guimaraes, Mato Grosso, Brazil, 15.20S,55.50W) © Peter Boesman

1289 1 Collared Aracari 1 Call 0:22 Pteroglossus torquatus (18/3/2001 11:00h, Uxpanapa road, Vera Cruz, Mexico, 17.08N,94.55W) © Peter Boesman

1290 1 Black-necked Aracari 1 Call 0:37 Pteroglossus aracari (1/2/2004, Murici area, Alagoas, Brazil, 09.40S,35.55W) © Peter Boesman

1290 2 Black-necked Aracari 2 Call 0:15 Pteroglossus aracari (3/11/1993 , Lower Rio Caura area, Bolivar, Venezuela, 07.15N,65.00W) © Peter Boesman

1290 3 Black-necked Aracari 3 Interaction calls 0:18 Pteroglossus aracari (6/11/1994 09:30h, Caño Colorado, Monagas, Venezuela, 09.55N,62.55W) © Peter Boesman.

1290 4 Black-necked Aracari 4 Soft call 0:16 Pteroglossus aracari (23/7/2012 17:00h, Rio Grande area, Bolivar, Venezuela, 08.03N,61.40W) © Peter Boesman.

1291 1 Chestnut-eared Aracari 1 Call 0:18 Pteroglossus castanotis (29/7/2005, Pantanal. Porto Jofre area, Mato Grosso, Brazil,) © Peter Boesman

1291 2 Chestnut-eared Aracari 2 Call 0:29 Pteroglossus castanotis (1/1/2008 12:40h, Rioja, San Martín, Peru, 06.00S,77.10W) © Peter Boesman

1291 3 Chestnut-eared Aracari 3 Call 0:26 Pteroglossus castanotis (2/8/2008 11:30h, Villa Rica Coffee plantations, Pasco, Peru, 10.40S,75.20W) © Peter Boesman

1292 1 Many-banded Aracari 1 Call 0:28 Pteroglossus pluricinctus (28/3/2002 17:45h, Yarina Lodge, Napo, Ecuador, 00.28S,76.50W) © Nick Athanas

1292 2 Many-banded Aracari 2 Call 0:38 Pteroglossus pluricinctus (11/8/2007 07:00h, Barinitas area, Barinas, Venezuela, 08.46N,70.27W) © Peter Boesman

1293 1 Ivory-billed Aracari 1 Call 0:17 Pteroglossus azara (La Selva lodge, Napo, Ecuador, 00.30S,76.30W) © John Moore

1293 2 Ivory-billed Aracari 2 Call 0:08 Pteroglossus azara (24th July 2010 7h30, ACTS Explornapo, Loreto, Peru, 120 m. 3°10' S, 72°55' W). © Peter Boesman.

1296 1 Bar-breasted Piculet 1 Song 0:26 Picumnus aurifrons. (22-01-2006 14:15h, Serra de Carajás, PA, Brazil, 670m, S6.937° W50.20'45"). One bird moving with a mixed flock. (Background: Hyacinth Macaw, Blackish Pewee, Slaty-capped Shrike-Vireo, Screaming Piha). © Nick Athanas.

1296 2 Bar-breasted Piculet 2 Song 0:22 Picumnus aurifrons. (2nd August 2010 6h30, Rio Yanayacu area near Muyuna lodge, Loreto, Peru, 4°18' S, 73°17' W). © Peter Boesman.

1297 1 Orinoco Piculet 1 Call 2:14 Picumnus pumilus. (Mitu, Vaupes, Colombia, 190m, 06:30h, 13-06-2011, N1.14'45" W70.13'44"). Male bird. Not sure if these are calls or songs, but I suspect the former. © Andrew Spencer.

1297 2 Orinoco Piculet 2 Call 0:19 Picumnus pumilus. (Mitu, Vaupes, Colombia, 190m, 07:30h, 09-06-2011, N1.14'45" W70.13'44"). Calls from a male bird that was part of a large canopy flock, in response to playback of Golden-spangled Piculet. © Andrew Spencer.

1298 1 Lafresnaye's Piculet 1 Call 0:07 Picumnus lafresnayi. (April 2002. Between Zumba and El Chorro, Zamora - Chinchipe, Ecuador, 670m. 04.53S,79.07W). calls upon landing. John V. Moore.

1299 1 Golden-spangled Piculet 1 Song 0:19 Picumnus exilis (2/2/2004, Crasto forest, Sergipe, Brazil, 11.25S,37.25W) © Peter Boesman

1299 2 Golden-spangled Piculet 2 Song and ticking 0:47 Picumnus exilis (26/7/2002 17:00h, Upper escalera, Bolivar, Venezuela, 05.58N,61.24W) © Peter Boesman.

1299 3 Golden-spangled Piculet 3 Song and ticking 0:30 Picumnus exilis (26/7/2002 17:00h, Upper escalera, Bolivar, Venezuela, 05.58N,61.24W) © Peter Boesman.

1299 4 Golden-spangled Piculet 4 Excited song 0:54 Picumnus exilis (3/2/2004 08:00h, Crasto forest, Sergipe, Brazil, 11.25S,37.25W) © Peter Boesman.

1299 5 Golden-spangled Piculet 5 Ticking and song 0:14 Picumnus exilis (7/8/2003 17:00h, Dry forest W of El Palmar, Bolivar, Venezuela, 07.58N,62.13W) © Peter Boesman.

1299 6 Golden-spangled Piculet 6 Call 0:18 Picumnus exilis (16/12/2001 , Junglaven area, Amazonas, Venezuela, 05.00N,66.23W) © Mark Van Beirs.

1301 1 Scaled Piculet 1 Song 0:37 Picumnus squamulatus (10/8/2002 07:30h, Canoabo area, Carabobo, Venezuela, 10.20N,68.18W) © Peter Boesman.

1301 2 Scaled Piculet 2 Song 0:14 Picumnus squamulatus (10/11/1996 07:00h, San Pablo marsh, Carabobo, Venezuela, 10.31N,68.22W) © Peter Boesman.

1301 3 Scaled Piculet 3 Agitated call and song 0:13 Picumnus squamulatus (1/5/1995 06:00h, Serrania de San Luis, Falcon, Venezuela, 11.12N,69.42W) © Peter Boesman.

1301 4 Scaled Piculet 4 Agitated call 0:16 Picumnus squamulatus (9/8/2003 06:00h, Valle de la Pascua area, Guarico, Venezuela, 09.00N,65.55W) © Peter Boesman.

1301 5 Scaled Piculet 5 Agitated call 0:22 Picumnus squamulatus (9/3/1997 10:30h, Yacambu NP, Lara, Venezuela, 09.43N,69.35W) © Peter Boesman.

1301 6 Scaled Piculet 6 Ticking 0:09 Picumnus squamulatus (10/2/1997 07:00h, Morrocoy NP, Falcon, Venezuela, 10.51N,68.18W) © Peter Boesman.

1312 1 Rufous-breasted Piculet 1 Song 0:18 Picumnus rufiventris (23/7/2009 10:00h, Amazon Manu Lodge, Madre de Dios, Peru, 12.18S,70.48W) © Peter Boesman

1312 2 Rufous-breasted Piculet 2 Song 0:06 Picumnus rufiventris (23/7/2009 10:00h, Amazon Manu Lodge, Madre de Dios, Peru, 12.18S,70.48W) © Peter Boesman

1312 3 Rufous-breasted Piculet 3 Tapping 0:37 Picumnus rufiventris (23/7/2009 10:00h, Amazon Manu Lodge, Madre de Dios, Peru, 12.18S,70.48W) © Peter Boesman

1316 1 Plain-breasted Piculet 1 Song 0:04 Picumnus castelnaui (27th July 2010 10h30, Explornapo, Loreto, Peru, 120 m. 3°10' S, 72°55' W). © Peter Boesman.

1318 1 Olivaceous Piculet 1 Song 0:19 Picumnus olivaceus (15/4/1995 00:16h, Darien El Real, Darien, Panama, 08.10N,77.45W) © Peter Boesman

1318 2 Olivaceous Piculet 2 Song 0:05 Picumnus olivaceus (4th January 2010 7h30, Juntas, Tolima, Colombia, 4°33'56"N 75°19'38"W). © Peter Boesman.

1319 1 Grayish Piculet 1 Song 0:10 Picumnus granadensis. Dapa, Valle del Cauca, Colombia, 1600m, 07:40h, 03-06-2007, song, a pair of birds present. © Bradley Davis.

1320 1 Chestnut Piculet 1 Song 0:09 Picumnus cinnamomeus. Perico, Rihacha, La Guajira, Colombia, 5m, 08:30h, 6 Feb 2010, Song © Frank Lambert.

1322 1 Acorn Woodpecker 1 call 0:23 Melanerpes formicivorus (16/2/2007 09:15h, Madera Canyon area, AZ , USA,) © Peter Boesman

1322 2 Acorn Woodpecker 2 call 0:29 Melanerpes formicivorus (1/12/1995 , Ojo de Agua, Chiriquí, Panama,) © Dodge Engleman

1322 3 Acorn Woodpecker 3 call 0:11 Melanerpes formicivorus flavigula. El 18, Valle del Cauca, Colombia, 1800m, 09:00h, 24-06-2010, N3.297" W76.374", call © Andrew Spencer.

1322 4 Acorn Woodpecker 4 call 1:10 Melanerpes formicivorus flavigula. El 18, Valle del Cauca, Colombia, 1800m, 09:00h, 24-06-2010, N3.297" W76.374", call, 'wicka' calls © Andrew Spencer.

1323 1 Yellow-tufted Woodpecker 1 Song 0:42 Melanerpes cruentatus (2/8/2008 15:30h, Villa Rica Coffee plantations, Pasco, Peru, 10.40S,75.20W) © Peter Boesman

1323 2 Yellow-tufted Woodpecker 2 Song 0:23 Melanerpes cruentatus (22/12/1996 17:00h, La Petrolea area, Tachira, Venezuela, 07.38N,72.21W) © Peter Boesman

1323 3 Yellow-tufted Woodpecker 3 Song 0:26 Melanerpes cruentatus (11/1/2005, Carajás, Aguas Claras area, Pará, Brazil, 06.00S,50.30W) © Peter Boesman

1323 4 Yellow-tufted Woodpecker 4 Song 0:26 Melanerpes cruentatus (20th July 2010 8h00, Alpahuayo - Mishana Reserve, Loreto, Peru, 120m, S3.50° W73.15°0'). (Background: Zimmer's Tody-tyrant). © Peter Boesman.

1325 1 Beautiful Woodpecker 1 Call 0:13 Melanerpes pulcher. Bellavista Reserve, Victoria, Caldas, Colombia, 950m, 07:00h, 30-06-2011, N5.2551" W74.5457", Second call type given in flight. Response to playback. © Andrew Spencer.

1325 2 Beautiful Woodpecker 2 Call 0:51 Melanerpes pulcher. Bellavista Reserve, Victoria, Caldas, Colombia, 950m, 07:00h, 30-06-2011, N5.2551" W74.5457", Two call types from a pair of birds in response to playback. © Andrew Spencer.

1326 1 Black-cheeked Woodpecker 1 call 0:05 Melanerpes pucherani (9/4/2003 10:00h, Bonampak, Chiapas, Mexico, 16.42N,91.05W) © Peter Boesman

1328 1 Red-crowned Woodpecker 1 Call 0:06 Melanerpes rubricapillus (22/7/2000 09:00h, Guadeloupe area, Lara, Venezuela, 10.02N,69.40W) © Peter Boesman

1328 2 Red-crowned Woodpecker 2 Call 0:22 Melanerpes rubricapillus (5/3/1994 , Caño Colorado, Monagas, Venezuela, 09.55N,62.55W) © Peter Boesman.

1329 1 Smoky-brown Woodpecker 1 Song 0:10 Veniliomis fumigatus (24/7/2003 09:00h, Sierra de Aroa, Yaracuy, Venezuela, 10.20N,68.50W) © Peter Boesman

1329 2 Smoky-brown Woodpecker 2 Song 0:07 Veniliomis fumigatus (24/2/2006 07:30h, Paz de las Aves, Pichincha, Ecuador, 00.00N,78.40W) © Peter Boesman

1329 3 Smoky-brown Woodpecker 3 Call 0:15 Veniliomis fumigatus (22/12/1997 09:00h, Yacambu NP, Lara, Venezuela, 09.43N,69.35W) © Peter Boesman.

1329 4 Smoky-brown Woodpecker 4 Call 0:16 Veniliomis fumigatus (24/7/2003 09:00h, Sierra de Aroa, Yaracuy, Venezuela, 10.20N,68.50W) © Peter Boesman

1329 5 Smoky-brown Woodpecker 5 Call 0:11 Veniliomis fumigatus (23/7/2000 08:00h, Dinira National Park, Lara, Venezuela, 09.42N,70.03W) © Peter Boesman.

1329 6 Smoky-brown Woodpecker 6 Interaction call 0:10 Veniliomis fumigatus (24/7/2003 09:00h, Sierra de Aroa, Yaracuy, Venezuela, 10.20N,68.50W) © Peter Boesman.

1329 7 Smoky-brown Woodpecker 7 Interaction call 0:11 Veniliomis fumigatus (22/12/1996 10:00h, Matamula area, Tachira, Venezuela, 07.42N,72.26W) © Peter Boesman.

1330 1 Red-rumped Woodpecker 1 Call 0:29 Veniliomis kirkii (15/1/1995, Caño Colorado, Monagas, Venezuela, 09.55N,62.55W) © Peter Boesman

1330 2 Red-rumped Woodpecker 2 Call 0:27 Veniliomis kirkii (7/8/2006 07:15h, Morrocoy NP, Falcon, Venezuela, 10.51N,68.18W) © Nick Athanas.

1330 3 Red-rumped Woodpecker 3 Call 0:26 Veniliomis kirkii cecillii. (Rio Silanche, Pedro Vicente Maldonado, Pichincha, Ecuador, 450m, 09:50h, 09-09-2010, N0.8°35' W79.8°0'). © Andrew Spencer.

1336 1 Little Woodpecker 1 Song 0:20 Veniliomis passerinus (La Selva lodge, Napo, Ecuador, 00.30S,76.30W) © John Moore

1336 2 Little Woodpecker 2 Song 0:10 Veniliomis passerinus (30/7/2005, Pantanal, Pixaim area, Mato Grosso, Brazil,) © Peter Boesman

1336 3 Little Woodpecker 3 Call 0:05 Veniliomis passerinus (29/7/2009 09:00h, Pantiacolla Lodge, Madre de Dios, Peru, 12.39S,71.14W) © Peter Boesman

1336 4 Little Woodpecker 4 Call 0:09 Veniliomis passerinus (28/7/2005 16:30h, Pantanal, Porto Jofre area, Mato Grosso, Brazil, 17.25S,56.45W) © Peter Boesman

1336 5 Little Woodpecker 5 Interaction call 0:10 Veniliomis passerinus (19/7/2005 09:30h, Chapada dos Guimaraes, Mato Grosso, Brazil, 15.20S,55.50W) © Peter Boesman

1336 6 Little Woodpecker 6 Drum 0:20 Veniliomis passerinus (17/10/1998 15:35h, Fazenda Caiman, Mato Grosso del Sul, Brazil, 19.57S,56.14W) © Chris Sharpe

1339 1 Yellow-vented Woodpecker 1 Call 0:10 Veniliomis dignus (21/2/2006 09:30h, San Isidro lodge, Napo, Ecuador, 00.40S,77.55W) © Peter Boesman.

1340 1 Bar-bellied Woodpecker 1 Call 0:55 Veniliomis nigriceps. Yanacocha reserve, Pichincha, Ecuador, 3500m, 08:00h, 18-07-2010, S0.10° W78.35°0", calls from a male bird © Andrew Spencer.

1340 2 Bar-bellied Woodpecker 2 Calls 0:20 Veniliomis nigriceps. Yanacocha reserve, Pichincha, Ecuador, 3500m, 08:00h, 18-07-2010, S0.0° W78.35°0", calls, chatter and wicka calls from a pair © Andrew Spencer.

1341 1 Red-stained Woodpecker 1 Song 0:51 Veniliomis affinis (20th July 2010 8h00, Alpahuayo - Mishana Reserve, Loreto, Peru, 120m, S3.50° W73.15°0'). (Background: Boat-billed Flycatcher). © Peter Boesman.

1341 2 Red-stained Woodpecker 2 Song 0:22 Veniliomis affinis (1/6/1997 08:47h, Cerro Asunta Pata, La Paz, Bolivia, 15.02.30S,68.28.40W) © Sebastian Herzog

1341 3 Red-stained Woodpecker 3 Song () 0:04 Veniliomis affinis (3/1/2008 08:15h, Tarapoto tunnel road, San Martín, Peru, 06.25S,76.15W) © Peter Boesman

1341 4 Red-stained Woodpecker 4 Agitated calls 0:11 Veniliomis affinis (20th July 2010 8h00, Alpahuayo - Mishana Reserve, Loreto, Peru, 120m, S3.50° W73.15°0'). (Background: Zimmer's Antbird). © Peter Boesman.

1341 5 Red-stained Woodpecker 5 Calls 0:37 Veniliomis affinis orenocensis. Mitu, Vaupes, Colombia, 190m, 10:30h, 08-06-2011, N1.1445" W70.1344", Calls from an alarmed male bird. © Andrew Spencer.

1341 6 Red-stained Woodpecker 6 Drum 0:26 Veniliomis affinis orenocensis. (Mitu, Vaupes, Colombia, 190m, 13:50h, 09-06-2011, N1.1445" W70.1344"). © Andrew Spencer.

1342 1 Choco Woodpecker 1 Calls 0:11 Veniliomis chococensis. La Union Road, 6.5 km NW of Alto Tambo, Esmeraldas, Ecuador, 650m, 10:30h, 31-07-2011, N0.58°20' W78.33°19'. Calls from a male bird, the pik calls as it was flying over, and the wicka calls as it landed. © Andrew Spencer.

1342 2 Choco Woodpecker 2 Call 0:30 Veniliomis chococensis. Playa de Oro, Esmeraldas, Ecuador, 160m, 09:00h, 13-07-2010, N0.51° W78.46°0', Calls from a female bird. Two short rattle series near the beginning of the cut then some very quiet single note © Andrew Spencer.

1344 1 White-throated Woodpecker 1 Call () 0:05 Piculus leucolaemus (15/1/2005 11:30h, Carajás, Salobo area, Pará, Brazil, 05.55S,50.30W) © Peter Boesman

1344 2 White-throated Woodpecker 2 Call series 0:41 Piculus leucolaemus. (14-12-2008 9:10h, Mishquiayacu, San Martín, Peru, 1050m). (Background: Blue Ground-Dove, Swallow Tanager). © David Geale.

1345 1 Lita Woodpecker 1 Call 1:27 Piculus litae. Playa de Oro, Esmeraldas, Ecuador, 250m, 15:00h, 06-11-2010, N0.51° W78.46°0', call, from a female bird © Andrew Spencer.

1346 1 Yellow-throated Woodpecker 1 Call 0:07 Piculus flavigula (23/7/2004 09:30h, Ubatuba - Folha Seca road, Sao Paulo, Brazil, 23.28S,45.06W) © Peter Boesman

1346 2 Yellow-throated Woodpecker 2 Call 0:05 Piculus flavigula (12/8/2004 09:45h, Itanhaém, Sao Paulo, Brazil, 24.10S,46.50W) © Peter Boesman

1346 3 Yellow-throated Woodpecker 3 Call 0:27 Piculus flavigula (12/8/2004, Itanhaém, Sao Paulo, Brazil, 24.10S,46.50W) © Peter Boesman

1346 4 Yellow-throated Woodpecker 4 Call 0:08 Piculus flavigula (25th July 2010 6h30, ACTS Explornapo, Loreto, Peru, 120 m. 3°10' S, 72°55' W). (Background: Laughing Falcon). © Peter Boesman.

1346 5 Yellow-throated Woodpecker 5 Call 0:39 Piculus flavigula (5/2/2004 07:30h, Boa Nova humid area, Bahia, Brazil, 14.30S,40.05W) © Peter Boesman.

1347 1 Golden-green Woodpecker 1 Calls 0:30 Piculus chrysocloros. (September 2003, Puerto heath, Madidi NP, La Paz, Bolivia. 185m. 12.30S,68.40W). A. Bennett Hennessey.

1349 1 Golden-olive Woodpecker 1 Song 0:35 Piculus rubiginosus (28/8/1994 10:00h, Caripe area, Monagas, Venezuela, 10.10N,63.31W) © Peter Boesman

1349 2 Golden-olive Woodpecker 2 Song 0:29 Piculus rubiginosus (14/2/1994 , Rio Grande area, Bolivar, Venezuela, 08.03N,61.40W) © Peter Boesman.

1349 3 Golden-olive Woodpecker 3 Call 0:02 Piculus rubiginosus (26/7/2000 07:00h, Finca Monteverde at Olinda II, Merida, Venezuela, 08.45N,71.28W) © Peter Boesman

1349 4 Golden-olive Woodpecker 4 Call 0:04 Piculus rubiginosus (30/7/2009 15:00h, San Pedro area, Cuzco, Peru, 13.08S,71.35W) © Peter Boesman

1350 1 Crimson-mantled Woodpecker 1 Song 0:06 Piculus rivolii (30/7/2008 15:30h, Paty trail, Huánuco, Peru, 09.39S,76.05W) © Peter Boesman

1350 2 Crimson-mantled Woodpecker 2 Song 0:05 Piculus rivolii (31/7/2008 09:00h, Carpish Tunnel, Huánuco, Peru, 09.40S,76.05W) © Peter Boesman

1350 3 Crimson-mantled Woodpecker 3 Call 0:37 Piculus rivolii (11/4/2001 06:30h, Yanacocha reserve, Pichincha, Ecuador, 00.08S,78.35W) © Nick Athanas

1350 4 Crimson-mantled Woodpecker 4 Call () 0:16 Piculus rivolii (30/7/2008 15:30h, Paty trail, Huánuco, Peru, 09.39S,76.05W) © Peter Boesman

1352 1 Spot-billed Ground-Tyrant 1 Song 0:19 Muscisaxicola maculirostris niceforoi. Finca El Emporio (represa), Villa de Leyva, Boyaca, Colombia, 2040M, 11 amh, 25-04-2000, Song, Flight display © Bernabe Lopez-Lanus.

1352 1 Spot-breasted Woodpecker 1 Song 0:41 Colaptes punctigula (28/7/2003 17:30h, Finca Vuelta Larga, Sucre, Venezuela, 10.30N,63.00W) © Peter Boesman

1352 2 Spot-billed Ground-Tyrant 2 Call 0:09 Muscisaxicola maculirostris (24/7/2008 08:00h, Llanganuco lake area, Ancash, Peru, 09.10S,77.40W) © Peter Boesman.

1352 2 Spot-breasted Woodpecker 2 Song 0:06 Colaptes punctigula (29/7/2003 08:30h, Finca Vuelta Larga, Sucre, Venezuela, 10.30N,63.00W) © Peter Boesman

1352 3 Spot-breasted Woodpecker 3 Call and song 0:59 Colaptes punctigula (29/7/2003 09:00h, Finca Vuelta Larga, Sucre, Venezuela, 10.30N,63.00W) © Peter Boesman

1352 4 Spot-breasted Woodpecker 4 Song 0:05 Colaptes punctigula (27th July 2010 10h30, Explomapo, Loreto, Peru, 120 m. 3°10' S, 72°55' W). © Peter Boesman.

1352 5 Spot-breasted Woodpecker 5 Drum 0:13 Colaptes punctigula (31/12/1996 06:00h, Rio Sarare/Rio Burguita, Apure, Venezuela, 07.14N,71.25W) © Peter Boesman

1357 1 Cinnamon Woodpecker 1 call 0:25 Celeus loricatorus (15/4/1995, Cana, Darien, Panama, 07.50N,77.40W) © Peter Boesman

1357 2 Cinnamon Woodpecker 2 call 0:17 Celeus loricatorus. (La Selva, Sarapiquí, Heredia, Costa Rica, 35m, 15:32h, 14-02-2010, N10.25°53' W84.2°20'). Interval shortened. (Background: White-ringed Flycatcher, Gartered Trogon). © Scott Olmstead.

1357 3 Cinnamon Woodpecker 3 chatter 0:04 Celeus loricatorus (13/10/1996, Pipeline road, Panamá, Panama,) © Dodge Engleman

1359 1 Scale-breasted Woodpecker 1 Song 0:04 Celeus grammicus (22nd July 2010 6h00, Allpahuayo - Mishana Reserve, Loreto, Peru, 120m, S3.50°0' W73.15°0'). © Peter Boesman.

1359 2 Scale-breasted Woodpecker 2 Song 0:07 Celeus grammicus (16/2/2006 17:00h, Gareno Lodge, Napo, Ecuador, 01.05S,77.35W) © Peter Boesman

1359 3 Scale-breasted Woodpecker 3 Song 0:38 Celeus grammicus (23/12/1992 08:15h, La Selva lodge, Napo, Ecuador, 00.30S,76.30W) © Peter Boesman

1359 4 Scale-breasted Woodpecker 4 Song 0:09 Celeus grammicus (20th July 2010 6h15, Allpahuayo - Mishana Reserve, Loreto, Peru, 120m, S3.50°0' W73.15°0'). (Background: Yellow-browed Antbird). © Peter Boesman.

1359 5 Scale-breasted Woodpecker 5 Song 1:53 Celeus grammicus. (Cristalino Jungle Lodge, MT, Brazil, 250m, 06:00h, 06-10-2009, S9.35°53' W55.55°55'). © Andrew Spencer.

1359 6 Scale-breasted Woodpecker 6 Song 0:21 Celeus grammicus (March 2009, Junglaven, Amazonas, Venezuela). © Hans Matheve.

1359 7 Scale-breasted Woodpecker 7 Call 0:36 Celeus grammicus (16/4/1992, Lower Rio Caura area, Bolivar, Venezuela, 07.15N,65.00W) © Peter Boesman

1360 1 Chestnut Woodpecker 1 Call 0:47 Celeus elegans. (March 1994, Right (S) bank Rio Napo opposite la Selva and Sacha lodge, Orellana, Ecuador. 235m). John V. Moore.

1360 2 Chestnut Woodpecker 2 Call 0:06 Celeus elegans (25th July 2010 6h30, ACTS Explomapo, Loreto, Peru, 120 m. 3°10' S, 72°55' W). (Background: Laughing Falcon). © Peter Boesman.

1360 3 Chestnut Woodpecker 3 Call 0:07 Celeus elegans (31/3/1994, Caño Colorado, Monagas, Venezuela, 09.55N,62.55W) © Peter Boesman.

1360 4 Chestnut Woodpecker 4 Drum 0:19 Celeus elegans (31/3/1994, Caño Colorado, Monagas, Venezuela, 09.55N,62.55W) © Peter Boesman

1363 1 Cream-colored Woodpecker 1 Call 0:18 Celeus flavus (12/1/2005, Carajás, Salobo area, Pará, Brazil, 05.55S,50.30W) © Peter Boesman

1363 2 Cream-colored Woodpecker 2 Call and drum 0:07 Celeus flavus (31/3/1994, Caño Colorado, Monagas, Venezuela, 09.55N,62.55W) © Peter Boesman

1363 3 Cream-colored Woodpecker 3 Call 0:06 Celeus flavus (22/5/1994, Caño Colorado, Monagas, Venezuela, 09.55N,62.55W) © Peter Boesman.

1363 4 Cream-colored Woodpecker 4 Call 0:38 Celeus flavus (23/7/2006 10:00h, Moises trail, Sao Gabriel da Cachoeira, Amazonas, Brazil, 00.30S,66.30W) © Peter Boesman.

1366 1 Ringed Woodpecker 1 Song 0:06 Celeus torquatus (14/1/1995 08:20h, Caño Colorado, Monagas, Venezuela, 09.55N,62.55W) © Peter Boesman

1366 2 Ringed Woodpecker 2 Song 0:04 Celeus torquatus (23/12/1992 06:00h, La Selva lodge, Napo, Ecuador, 00.30S,76.30W) © Peter Boesman

1366 3 Ringed Woodpecker 3 Song 0:51 Celeus torquatus (25th July 2010 6h30, ACTS Explomapo, Loreto, Peru, 120 m. 3°10' S, 72°55' W). © Peter Boesman.

1366 4 Ringed Woodpecker 4 Call QQ 0:15 Celeus torquatus (31/3/1994, Caño Colorado, Monagas, Venezuela, 09.55N,62.55W) © Peter Boesman

1368 1 Lineated Woodpecker 1 Song 0:07 Dryocopus lineatus (25/3/1997 10:00h, Lower Rio Caura area, Bolivar, Venezuela, 07.15N,65.00W) © Peter Boesman

1368 2 Lineated Woodpecker 2 Song 0:06 Dryocopus lineatus (27/7/2000, Rio Capaz valley, Merida, Venezuela, 08.44N,71.25W) © Peter Boesman

1368 3 Lineated Woodpecker 3 Call 0:17 Dryocopus lineatus lineatus. Mitu, Vaupes, Colombia, 190m, 07:00h, 13-06-2011, N1.14°45' W70.13°44", Calls from a male bird. © Andrew Spencer.

1368 4 Lineated Woodpecker 4 Call 0:35 Dryocopus lineatus (30/10/1993, Lower Rio Caura area, Bolivar, Venezuela, 07.15N,65.00W) © Peter Boesman

1368 5 Lineated Woodpecker 5 Call 0:28 Dryocopus lineatus (24/7/2006 11:00h, Tabajos tracks, Sao Gabriel da Cachoeira, Amazonas, Brazil, 00.10S,67.00W) © Peter Boesman.

1368 6 Lineated Woodpecker 6 Call 0:24 Dryocopus lineatus (23/4/1995 09:30h, Guataparo area, Carabobo, Venezuela, 10.13N,68.05W) © Peter Boesman.

1368 7 Lineated Woodpecker 7 Call 0:38 Dryocopus lineatus (26/2/1995 07:00h, La Azulita road, Merida, Venezuela, 08.40N,71.24W) © Peter Boesman.

1368 8 Lineated Woodpecker 8 Soft calls 0:16 Dryocopus lineatus (3/8/2004 11:00h, Serra da Canastra, Minas Gerais, Brazil, 20.15S,46.37W) © Peter Boesman.

1370 1 Powerful Woodpecker 1 Call, rattle and drum 0:35 Campephilus pollens (12/2/2006 16:30h, San Isidro lodge, Napo, Ecuador, 00.40S,77.55W) © Peter Boesman

1370 2 Powerful Woodpecker 2 Call 0:49 Campephilus pollens. (12-05-2009 13:50h, Monte Potrero, Huanuco, Peru, 3300m). Female (male in background, also White-collared Jay); © David Geale.

1370 3 Powerful Woodpecker 3 Call 1:25 Campephilus pollens (30th December 2009 10h00. R.N. Rio Blanco, Caldas, Colombia, 2600m, 5°5' N 75°30'W!). © Peter Boesman.

1371 1 Crimson-bellied Woodpecker 1 Calls 0:16 Campephilus haematogaster (31/12/2007 11:40h, Abra Patricia road, San Martín, Peru, 05.50S,77.46W) © Peter Boesman.

1371 2 Crimson-bellied Woodpecker 2 Calls 0:33 Campephilus haematogaster (31/12/2007 11:45h, Abra Patricia road, San Martín, Peru, 05.50S,77.46W) © Peter Boesman.

1371 3 Crimson-bellied Woodpecker 3 Interaction calls 1:18 Campephilus haematogaster (3/8/2008 07:15h, Villa Rica-Oxapampa road, Pasco, Peru, 10.35S,75.20W) © Peter Boesman.

1372 1 Red-necked Woodpecker 1 Call 0:11 Campephilus rubricollis (25/7/2002 09:30h, km 88 area, Bolivar, Venezuela, 06.12N,61.24W) © Peter Boesman

1372 2 Red-necked Woodpecker 2 Call 0:56 Campephilus rubricollis (11/1/2005, Carajás, Aguas Claras area, Pará, Brazil, 06.00S,50.30W) © Peter Boesman

1372 3 Red-necked Woodpecker 3 Interaction calls 0:21 Campephilus rubricollis (31/7/2002 08:00h, El Pauji road, Bolivar, Venezuela, 04.36N,61.30W) © Peter Boesman

1372 4 Red-necked Woodpecker 4 Drum 0:09 Campephilus rubricollis (17/1/2005 12:00h, Carajás, Salobo area, Pará, Brazil, 05.55S,50.30W) © Peter Boesman

1374 1 Crimson-crested Woodpecker 1 Call 0:31 Campephilus melanoleucos (28/3/1997 07:00h, Gavilan road, Amazonas, Venezuela, 05.36N,67.12W) © Peter Boesman

1374 2 Crimson-crested Woodpecker 2 Call 0:17 Campephilus melanoleucos (10/7/2003, Pantanal, Mato Grosso del Sul, Brazil, 16.30S,56.40W) © Mark Van Beirs

1374 3 Crimson-crested Woodpecker 3 Call 0:23 Campephilus melanoleucos (29/12/2001, Rio Grande area, Bolivar, Venezuela, 08.03N,61.40W) © Mark Van Beirs.

1374 4 Crimson-crested Woodpecker 4 Interaction call 0:08 Campephilus melanoleucos (31/7/2003 17:30h, Sabana de Piedra - Santa Maria road, Monagas, Venezuela, 10.15N,63.35W) © Peter Boesman.

1374 5 Crimson-crested Woodpecker 5 Interaction call 0:09 Campephilus melanoleucos (2/8/2008 09:00h, Villa Rica Coffee plantations, Pasco, Peru, 10.40S,75.20W) © Peter Boesman

1374 6 Crimson-crested Woodpecker 6 Call flight 0:03 Campephilus melanoleucos (21/7/2009 15:30h, Manu Amazonia Lodge, Cuzco, Peru, 12.50S,71.15W) © Peter Boesman

1374 7 Crimson-crested Woodpecker 7 Drum 0:28 Campephilus melanoleucos (2/8/2008 09:00h, Villa Rica Coffee plantations, Pasco, Peru, 10.40S,75.20W) © Peter Boesman

1375 1 Guayaquil Woodpecker 1 Call 0:19 Campephilus gayaquilensis (20/12/1993, Rio Palenque, Los Rios, Ecuador, 00.25S,79.25W) © Peter Boesman.

1378 1 Sapayoa 1 Song 0:22 Sapayoa aenigma. Burbayar Lodge, Nusagandi, Panama, Panama, 400m, 10:00h, 06-12-2004, N9.20°0' W78.58°0', song, © Nick Athanas.

1379 1 Fasciated Antshrike 1 Song 0:39 Cymbilaimus lineatus (11/1/2005, Carajás, Aguas Claras area, Pará, Brazil, 06.00S,50.30W) © Peter Boesman

1379 2 Fasciated Antshrike 2 Song 0:44 Cymbilaimus lineatus (19th July 2010 07h30, Allpahuayo - Mishana Reserve, Loreto, Peru, 120m, S3.50°0' W73.15°0'). (Background: Ancient Antwren, Slenderfooted Tyrannulet). © Peter Boesman.

1379 3 Fasciated Antshrike 3 Song 0:46 *Cymbilaimus lineatus* (26/7/2002 07:30h, Lower escalera, Bolivar, Venezuela, 06.00N,61.22W) © Peter Boesman

1379 4 Fasciated Antshrike 4 Song 0:36 *Cymbilaimus lineatus* (14/2/1994 , Rio Grande area, Bolivar, Venezuela, 08.03N,61.40W) © Peter Boesman.

1379 5 Fasciated Antshrike 5 Song 0:42 *Cymbilaimus lineatus* (24/3/1997 10:00h, Lower Rio Caura area, Bolivar, Venezuela, 07.15N,65.00W) © Peter Boesman.

1387 1 Fulvous Antshrike 1 Song 2:45 *Frederickena fulva*. Yasuni Research Station, Parque Nacional Yasuni, Orellana, Ecuador, 250m, 09:00h, 12-01-2011, S0.40'27" W76.23'52", song © Andrew Spencer.

1387 2 Fulvous Antshrike 2 Song 0:31 *Frederickena unduligera* (23/12/1992 07:00h, La Selva lodge, Napo, Ecuador, 00.30S,76.30W) © Peter Boesman.

1388 1 Great Antshrike 1 Song 0:48 *Taraba major* (11/6/1995 09:45h, Palmichal area, Carabobo, Venezuela, 10.21N,68.12W) © Peter Boesman

1388 2 Great Antshrike 2 Song 0:42 *Taraba major* (23/7/2003 06:30h, Casa Maria, Carabobo, Venezuela, 10.19N,68.15W) © Peter Boesman.

1388 3 Great Antshrike 3 Song 1:01 *Taraba major* (13/2/1994 , Rio Grande area, Bolivar, Venezuela, 08.03N,61.40W) © Peter Boesman.

1388 4 Great Antshrike 4 Song 1:23 *Taraba major* (28/3/1997 06:30h, Gavilan road, Amazonas, Venezuela, 05.36N,67.12W) © Peter Boesman.

1388 5 Great Antshrike 5 Song 1:55 *Taraba major* (24/7/2006 15:00h, Cucuy road north of Sao Gabriel da Cachoeira, Amazonas, Brazil, 00.01N,66.30W) © Peter Boesman.

1388 6 Great Antshrike 6 Call 0:10 *Taraba major* (28/3/1997 06:00h, Gavilan road, Amazonas, Venezuela, 05.36N,67.12W) © Peter Boesman

1388 7 Great Antshrike 7 Call 0:16 *Taraba major* (28/3/1997 06:00h, Gavilan road, Amazonas, Venezuela, 05.36N,67.12W) © Peter Boesman.

1388 8 Great Antshrike 8 Call 0:34 *Taraba major* (23/7/2002 06:00h, Rio Grande area, Bolivar, Venezuela, 08.03N,61.40W) © Peter Boesman

1388 9 Great Antshrike 9 Call 0:22 *Taraba major* (22/7/2006 15:00h, Sao Gabriel da Cachoeira area, Amazonas, Brazil, 00.01S,66.30W) © Peter Boesman.

1389 1 Black-crested Antshrike 1 Song 0:17 *Sakesphorus canadensis* (27/5/1995 09:00h, Guataparo area, Carabobo, Venezuela, 10.13N,68.05W) © Peter Boesman

1389 2 Black-crested Antshrike 2 Song 0:45 *Sakesphorus canadensis* (26/3/1999 08:25h, Hato El Cedral area, Apure, Venezuela, 07.30N,69.17W) © Chris Sharpe.

1389 3 Black-crested Antshrike 3 Song 0:12 *Sakesphorus canadensis* (21/10/1994 , Castillos de Guayana area, Delta Amac, Venezuela, 08.31N,62.24W) © Peter Boesman.

1389 4 Black-crested Antshrike 4 Song 1:55 *Sakesphorus canadensis intermedius*. Finca La Pradera, Parroquia Remolinos, Municipio Puerto Lopez, Meta, Colombia, 400m, 21-04-2000, Song © Bernabe Lopez-Lanus.

1389 5 Black-crested Antshrike 5 Song 0:25 *Sakesphorus canadensis* (1/11/1993, Junglaven area, Amazonas, Venezuela, 05.00N,66.23W) © Peter Boesman

1389 6 Black-crested Antshrike 6 Call 0:16 *Sakesphorus canadensis* (21/10/1994 10:00h, Castillos de Guayana area, Delta Amac, Venezuela, 08.31N,62.24W) © Peter Boesman

1389 7 Black-crested Antshrike 7 Call 0:13 *Sakesphorus canadensis* (1/11/1993, Junglaven area, Amazonas, Venezuela, 05.00N,66.23W) © Peter Boesman.

1389 8 Black-crested Antshrike 8 Long call 0:32 *Sakesphorus canadensis* (28/3/1997 10:00h, Orinoco river islands, Amazonas, Venezuela, 05.24N,67.46W) © Peter Boesman.

1389 9 Black-crested Antshrike 9 Long call () 0:14 *Sakesphorus canadensis* (27/5/1995 08:30h, Guataparo area, Carabobo, Venezuela, 10.13N,68.05W) © Peter Boesman.

1393 1 Barred Antshrike 1 Song 0:41 *Thamnophilus doliatus* (23/12/1997 09:30h, Canoabo area, Carabobo, Venezuela, 10.20N,68.18W) © Peter Boesman

1393 2 Barred Antshrike 2 Song 0:23 *Thamnophilus doliatus* (22/7/2003 08:00h, Casa Maria, Carabobo, Venezuela, 10.19N,68.15W) © Peter Boesman.

1393 3 Barred Antshrike 3 Call 0:16 *Thamnophilus doliatus* (9/3/1997 11:00h, Yacambu NP, Lara, Venezuela, 09.43N,69.35W) © Peter Boesman.

1393 4 Barred Antshrike 4 Call 0:07 *Thamnophilus doliatus* (23/4/1995 08:00h, Guataparo area, Carabobo, Venezuela, 10.13N,68.05W) © Peter Boesman.

1393 5 Barred Antshrike 5 Call 0:18 *Thamnophilus doliatus* (9/8/2002 11:00h, Casa Maria, Carabobo, Venezuela, 10.19N,68.15W) © Peter Boesman.

1393 6 Barred Antshrike 6 Call 0:38 *Thamnophilus doliatus* (22/12/1997 10:00h, Yacambu NP, Lara, Venezuela, 09.43N,69.35W) © Peter Boesman

1393 7 Barred Antshrike 7 Call 0:13 *Thamnophilus doliatus* (6/8/2000 07:00h, Quibor - Sanare road, Lara, Venezuela, 09.48N,69.36W) © Peter Boesman

1393 8 Barred Antshrike 8 Call 0:17 *Thamnophilus doliatus* (14/8/1996 07:00h, Canoabo area, Carabobo, Venezuela, 10.20N,68.18W) © Peter Boesman.

1397 1 Bar-crested Antshrike 1 Song 0:56 *Thamnophilus multistriatus* (5th February 2011 12h00. Bolombolo, Antioquia, Colombia 6°0' N, 75° 49' W). © Peter Boesman.

1397 2 Bar-crested Antshrike 2 Duet 0:32 *Thamnophilus multistriatus* (2nd January 2010 6h15. P.N. Talamá, Montezuma trail, near Pueblo Rico, Risaralda, Colombia, 1600m, 5°14'3"N 76° 52'1"W). (Background: Slaty Spinetail). © Peter Boesman.

1397 3 Bar-crested Antshrike 3 Call 0:34 *Thamnophilus multistriatus* (5th February 2011 12h00. Bolombolo, Antioquia, Colombia 6°0' N, 75° 49' W). © Peter Boesman.

1398 1 Lined Antshrike 1 Song 0:30 *Thamnophilus tenuipunctatus* (4/11/2008 11:00h, Abra Patricia road, San Martin, Peru, 05.50S,77.46W) © Peter Boesman.

1398 2 Lined Antshrike 2 Song 0:45 *Thamnophilus tenuipunctatus* (15/2/2006 07:30h, Sumaco road, Napo, Ecuador, 00.45S,77.35W) © Peter Boesman.

1398 3 Lined Antshrike 3 Call 0:33 *Thamnophilus tenuipunctatus* (30/12/2007 17:15h, Abra Patricia road, San Martin, Peru, 05.50S,77.46W) © Peter Boesman.

1401 1 Western Slaty Antshrike 1 Song 0:18 *Thamnophilus atrinucha* (4th January 2010 17h00. Mana Dulce, Tolima, Colombia, 4° 21' 04"N 74° 39' 06"W). © Peter Boesman.

1401 2 Western Slaty Antshrike 2 Song 0:36 *Thamnophilus atrinucha* (4th January 2010 16h45. Mana Dulce, Tolima, Colombia, 4° 21' 04"N 74° 39' 06"W). (Background: Scrub Greenlet, Rufous-browed Peppershrike). © Peter Boesman.

1401 3 Western Slaty Antshrike 3 calls 1:39 *Thamnophilus atrinucha* (28th December 2009 8h00. La Victoria, Cundinamarca, Colombia, 5°19'55"N 74°55'12"W). © Peter Boesman.

1401 4 Western Slaty Antshrike 4 Call 0:23 *Thamnophilus atrinucha* (16/4/1995 09:00h, Nusagandi NP, , Panama, 09.20N,78.50W) © Peter Boesman.

1402 1 Plain-winged Antshrike 1 Song 0:52 *Thamnophilus schistaceus* (25/7/2005, Rio Cristalino Jungle Lodge, Mato Grosso, Brazil, 09.27S,55.54W) © Peter Boesman

1402 2 Plain-winged Antshrike 2 Song 0:50 *Thamnophilus schistaceus* (21/7/2009 09:00h, Manu Amazonia Lodge, Cuzco, Peru, 12.50S,71.15W) © Peter Boesman

1402 3 Plain-winged Antshrike 3 Song 0:34 *Thamnophilus schistaceus* (22/7/2009 06:30h, Manu Amazonia Lodge, Cuzco, Peru, 12.50S,71.15W) © Peter Boesman

1402 4 Plain-winged Antshrike 4 Song 1:06 *Thamnophilus schistaceus* (27/7/2009 09:30h, Pantacolla Lodge, Madre de Dios, Peru, 12.39S,71.14W) © Peter Boesman

1402 5 Plain-winged Antshrike 5 Call 0:12 *Thamnophilus schistaceus* (17/2/2006 12:00h, Gareno Lodge, Napo, Ecuador, 01.05S,77.35W) © Peter Boesman

1403 1 Mouse-colored Antshrike 1 Song 0:40 *Thamnophilus murinus* (13/2/1994 , Rio Grande area, Bolivar, Venezuela, 08.03N,61.40W) © Peter Boesman

1403 2 Mouse-colored Antshrike 2 Call 0:55 *Thamnophilus murinus* (22/10/1994 08:30h, km 88 area, Bolivar, Venezuela, 06.12N,61.24W) © Peter Boesman

1403 3 Mouse-colored Antshrike 3 Call 0:29 *Thamnophilus murinus* (22/10/1994 08:30h, km 88 area, Bolivar, Venezuela, 06.12N,61.24W) © Peter Boesman

1403 4 Mouse-colored Antshrike 4 Call 0:18 *Thamnophilus murinus* (22/10/1994 08:30h, km 88 area, Bolivar, Venezuela, 06.12N,61.24W) © Peter Boesman

1404 1 Black Antshrike 1 Song 0:30 *Thamnophilus nigriciceps*. RNA EI Paujil, Serrania de las Quinchas,Santander, Colombia, Colombia, 200m, ?h, 20-04-2007, N5.560° W74.1110°, song, male © Frank Lambert.

1404 2 Black Antshrike 2 Song 0:43 *Thamnophilus nigriciceps* (15/4/1995 , Darien El Real , Panama, 08.10N,77.45W) © Peter Boesman.

1404 3 Black Antshrike 3 Call () 0:03 *Thamnophilus nigriciceps* (15/4/1995 , Darien El Real , Panama, 08.10N,77.45W) © Peter Boesman.

1406 1 Castelnau's Antshrike 1 Song and calls 0:39 *Thamnophilus cryptoleucus* (25/12/1992 , La Selva lodge, Napo, Ecuador, 00.30S,76.30W) © Peter Boesman

1406 2 Castelnau's Antshrike 2 Song and calls 0:56 *Thamnophilus cryptoleucus* (26th July 2010 15h00, Explornapo, Loreto, Peru, 120 m. 3°10' S, 72°55' W). © Peter Boesman.

1406 3 Castelnau's Antshrike 3 Song and calls 0:41 *Thamnophilus cryptoleucus* (26th July 2010 16h00, Explornapo, Loreto, Peru, 120 m. 3°10' S, 72°55' W). © Peter Boesman.

1406 4 Castelnau's Antshrike 4 Call 0:16 *Thamnophilus cryptoleucus* (26th July 2010 15h00, Explornapo, Loreto, Peru, 120 m. 3°10' S, 72°55' W). © Peter Boesman.

1407 1 Blackish-gray Antshrike 1 Song pair 0:33 *Thamnophilus nigrocinereus* (March 2009, Junglaven area, Amazonas, Venezuela, 05.00N,66.23W) © Hans Matheve

1407 2 Blackish-gray Antshrike 2 Song 0:25 *Thamnophilus nigrocinereus* (1/11/1993, Junglaven area, Amazonas, Venezuela, 05.00N,66.23W) © Peter Boesman

1407 3 Blackish-gray Antshrike 3 Song and call 0:42 *Thamnophilus nigrocinereus* Mitu, Vaupes, Colombia, 190m, 16:30h, 12-06-2011, N1.14'45" W70.13'44", Song and multiple call types from a pair of birds in response to playback. The shorter songs are from the female bird. © Andrew Spencer.

1407 4 Blackish-gray Antshrike 4 Soft calls 0:19 *Thamnophilus nigrocinereus* (1/11/1993, Junglaven area, Amazonas, Venezuela, 05.00N,66.23W) © Peter Boesman.

1408 1 Northern Slaty-Antshrike 1 Song 0:11 *Thamnophilus punctatus* (31/7/2002, El Paujil road, Bolivar, Venezuela, 04.36N,61.30W) © Peter Boesman

1408 2 Northern Slaty Antshrike 2 Song 0:18 *Thamnophilus punctatus* (22/5/1994 , Caño Colorado, Monagas, Venezuela, 09.55N,62.55W) © Peter Boesman.

1408 3 Northern Slaty Antshrike 3 Song 0:37 *Thamnophilus punctatus* (24/3/1997 07:00h, Lower Rio Caura area, Bolivar, Venezuela, 07.15N,65.00W) © Peter Boesman.

1408 4 Northern Slaty Antshrike 4 Song 0:42 *Thamnophilus punctatus* (old one) (29/7/2003 10:00h, Finca Vuelta Larga, Sucre, Venezuela, 10.30N,63.00W) © Peter Boesman.

1408 5 Northern Slaty Antshrike 5 Call and song 0:24 *Thamnophilus punctatus* (29/7/2003 06:00h, Finca Vuelta Larga, Sucre, Venezuela, 10.30N,63.00W) © Peter Boesman.

1408 6 Northern Slaty Antshrike 6 Call 0:23 *Thamnophilus punctatus* (26/3/1997 09:30h, Lower Rio Caura area, Bolivar, Venezuela, 07.15N,65.00W) © Peter Boesman.

1408 7 Northern Slaty Antshrike 7 Call 0:37 *Thamnophilus punctatus* (31/7/2002 07:00h, El Pauji road, Bolivar, Venezuela, 04.36N,61.30W) © Peter Boesman.

1414 1 Uniform Antshrike 1 Song 1:19 *Thamnophilus unicolor* (1st January 2010 10h45. P.N. Tatamá, Montezuma trail, near Pueblo Rico, Risaralda, Colombia, 1600m, 5°14'3"N 76° 5'21"W!). (Background: Rufous Motmot). © Peter Boesman.

1414 2 Uniform Antshrike 2 Song 0:10 *Thamnophilus unicolor* (25/12/1992 , Mindo area, , Ecuador, 00.03N,78.45W) © Peter Boesman.

1414 3 Uniform Antshrike 3 Song 0:32 *Thamnophilus unicolor grandior*. Finca Rogitama, Vereda Penas Blancas, Arcabuco, Boyaca, Colombia, 2540m, 11:38h, 24-07-2002, Call, Female © Bernabe Lopez-Lanus.

1414 4 Uniform Antshrike 4 Call 0:34 *Thamnophilus unicolor* (1st January 2010 12h40. P.N. Tatamá, Montezuma trail, near Pueblo Rico, Risaralda, Colombia, 1600m, 5°14'3"N 76° 5'21"W!). © Peter Boesman.

1415 1 White-shouldered Antshrike 1 Song 0:51 *Thamnophilus aethiops* (17/1/2005, Carajás, Salobo area, Pará, Brazil, 05.55S,50.30W) © Peter Boesman

1415 2 White-shouldered Antshrike 2 Song 0:53 *Thamnophilus aethiops* (20/7/2006 09:00h, Tabajos tracks, Sao Gabriel da Cachoeira, Amazonas, Brazil, 00.10S,67.00W) © Peter Boesman

1415 3 White-shouldered Antshrike 3 Song 0:48 *Thamnophilus aethiops* (26/3/1997 08:00h, Lower Rio Caura area, Bolivar, Venezuela, 07.15N,65.00W) © Peter Boesman

1415 4 White-shouldered Antshrike 4 Call 0:31 *Thamnophilus aethiops* (17/1/2005 13:00h, Carajás, Salobo area, Pará, Brazil, 05.55S,50.30W) © Peter Boesman

1415 5 White-shouldered Antshrike 5 Call 0:11 *Thamnophilus aethiops* (1/11/1993 , Junglaven area, Amazonas, Venezuela, 05.00N,66.23W) © Peter Boesman.

1415 6 White-shouldered Antshrike 6 Call 0:49 *Thamnophilus aethiops* (26/3/1997 08:00h, Lower Rio Caura area, Bolivar, Venezuela, 07.15N,65.00W) © Peter Boesman

1415 7 White-shouldered Antshrike 7 Calls 0:40 *Thamnophilus aethiops* (28/7/2009 09:30h, Pantiacolla Lodge, Madre de Dios, Peru, 12.39S,71.14W) © Peter Boesman

1417 1 Black-backed Antshrike 1 Song 0:41 *Sakesphorus melanonotus* (2/2/1997 06:00h, Morrocoy NP, Falcon, Venezuela, 10.51N,68.18W) © Peter Boesman

1417 2 Black-backed Antshrike 2 Song 0:44 *Sakesphorus melanonotus* (2/2/1997 06:00h, Morrocoy NP, Falcon, Venezuela, 10.51N,68.18W) © Peter Boesman.

1417 3 Black-backed Antshrike 3 Call 0:14 *Sakesphorus melanonotus* (16/3/1985 , Cumboto area, Aragua, Venezuela, 10.24N,67.48W) © Chris Parrish.

1417 4 Black-backed Antshrike 4 Call 0:27 *Thamnophilus melanonotus*. Near La Minca below RNA El Dorado, Sierra de Santa Marta, Magdalena, Colombia, 600m, 08:30h, 7 Feb 2010, N11.80° W74.60°, calls, pair © Frank Lambert

1417 5 Black-backed Antshrike 5 Call 0:41 *Sakesphorus melanonotus* (February 2009, Morrocoy NP, Falcon, Venezuela, 10.51N,68.18W) © Peter Boesman

1417 6 Black-backed Antshrike 6 Call 0:08 *Thamnophilus melanonotus*. Reserva Los Besotes_Vereda Los Besotes (Cerro Los Besotes), municipio Valledupar, Cesar, Colombia, 23-05-2001 , Call © Bernabe Lopez-Lanus.

1419 1 Amazonian Antshrike 1 Song 0:30 *Thamnophilus amazonicus* (1/11/1993 , Junglaven area, Amazonas, Venezuela, 05.00N,66.23W) © Peter Boesman

1419 2 Amazonian Antshrike 2 Song 0:49 *Thamnophilus amazonicus cinereiceps*. Mitu, Vaupes, Colombia, 190m, 07:40h, 14-06-2011, N1.1445° W70.1344°, Song from a pair of birds in response to playback. © Andrew Spencer.

1419 3 Amazonian Antshrike 3 Song 0:38 *Thamnophilus amazonicus* (10th August 2010 9h00, Rio Javari, Reserva Natural Palmari, Amazonas, Brazil, 50m, 4°17'20" S, 70°17'41" W). © Peter Boesman

1419 4 Amazonian Antshrike 4 Song 0:28 *Thamnophilus amazonicus* (March 2009 , Junglaven area, Amazonas, Venezuela, 05.00N,66.23W) © Hans Matheve.

1419 5 Amazonian Antshrike 5 Call 0:28 *Thamnophilus amazonicus* (24/7/2006 08:00h, Tabajos tracks, Sao Gabriel da Cachoeira, Amazonas, Brazil, 00.10S,67.00W) © Peter Boesman

1419 6 Amazonian Antshrike 6 Call 0:26 *Thamnophilus amazonicus* (24/10/1999 07:25h, Huachamakare, Amazonas, Venezuela, 03.47N,65.42W) © Chris Sharpe.

1419 7 Amazonian Antshrike 7 Call 0:08 *Thamnophilus amazonicus* (20/7/2006 08:00h, Tabajos tracks, Sao Gabriel da Cachoeira, Amazonas, Brazil, 00.10S,67.00W) © Peter Boesman

1419 8 Amazonian Antshrike 8 Call 0:21 *Thamnophilus amazonicus* (March 2009 , Junglaven area, Amazonas, Venezuela, 05.00N,66.23W) © Hans Matheve.

1422 1 Pearly Antshrike 1 Song 1:04 *Megascictus margaritatus*. (21st July 2010 06h00, Allpahuayo - Mishana Reserve, Loreto, Peru, 120m, S3.50°0' W73.15°0'). © Peter Boesman.

1422 2 Pearly Antshrike 2 Song and call 0:47 *Megascictus margaritatus*. (21st July 2010 06h00, Allpahuayo - Mishana Reserve, Loreto, Peru, 120m, S3.50°0' W73.15°0'). © Peter Boesman.

1422 3 Pearly Antshrike 3 Call 0:08 *Megascictus margaritatus*. (21st July 2010 06h00, Allpahuayo - Mishana Reserve, Loreto, Peru, 120m, S3.50°0' W73.15°0'). © Peter Boesman.

1423 1 Black Bushbird 1 Song 2:13 *Neotantes niger*. Mitu, Vaupes, Colombia, 190m, 13.00h, 12-06-2011, N1.1445° W70.1344°, Song from a male bird in response to playback. © Andrew Spencer.

1423 2 Black Bushbird 2 Song 0:46 *Neotantes niger*. (El Para, east of Archidona, Napo, Ecuador, 750m, 09:55h, 24-01-2011, S0.577° W77.43'53"), Song, probably from a female bird. © Andrew Spencer.

1423 3 Black Bushbird 3 Call 0:09 *Neotantes niger*. (Mitu, Vaupes, Colombia, 190m, 13:00h, 12-06-2011, N1.1445° W70.1344"). Very quiet calls from one of a pair in response to playback. © Andrew Spencer.

1423 4 Black Bushbird 4 Call 0:06 *Neotantes niger*. (El Para, east of Archidona, Napo, Ecuador, 750m, 09:55h, 24-01-2011, S0.577° W77.43'53"). Call from a female bird. © Andrew Spencer.

1424 1 Recurvebill Bushbird 1 Song 0:40 *Clytactantes alixii* (30th January 2011 16h00. RNA Reinita Cielo Azul, San Vicente de Chucuri, Santander, Colombia, 1900m, N.50'47" N, 73.22'30" W), © Peter Boesman.

1424 2 Recurvebill Bushbird 2 Song 0:41 *Clytactantes alixii* (30th January 2011 15h30. RNA Reinita Cielo Azul, San Vicente de Chucuri, Santander, Colombia, 1900m, N.50'47" N, 73.22'30" W), © Peter Boesman.

1424 3 Recurvebill Bushbird 3 Song 0:19 *Clytactantes alixii*. RNA Homiguero de Torcoroma, Ocaña, Norte de Santander, Colombia, 1670m, 16:55h, 07-02-2007, Song, Response to playback. © Nick Athanas.

1424 4 Recurvebill Bushbird 4 Call QQ 0:38 *Clytactantes alixii* (30th January 2011 15h30. RNA Reinita Cielo Azul, San Vicente de Chucuri, Santander, Colombia, 1900m, N.50'47" N, 73.22'30" W), © Peter Boesman.

1426 1 Russet Antshrike 1 Song 0:22 *Thamnites anabatinus* (24/7/2002 09:30h, Buenaventura reserve, El Oro, Ecuador,) © Nick Athanas.

1428 1 Plain Antvireo 1 Song 0:31 *Dysithamnus mentalis* (15/1/1995 08:00h, Caño Colorado, Monagas, Venezuela, 09.55N 62.55W) © Peter Boesman

1428 2 Plain Antvireo 2 Song 0:18 *Dysithamnus mentalis* (4/12/1997 09:45h, Rancho Grande area, Aragua, Venezuela, 10.21N,67.42W) © Chris Sharpe.

1428 3 Plain Antvireo 3 Song 0:46 *Dysithamnus mentalis* (31st January 2011 7h00. RNA Reinita Cielo Azul, San Vicente de Chucuri, Santander, Colombia, 1900m, N.50'47" N, 73.22'30" W), (Background: Collared Forest-falcon, Wattled Guan).© Peter Boesman.

1428 4 Plain Antvireo 4 Call 0:18 *Dysithamnus mentalis* (19/7/1997 09:00h, Turgua area, Aragua, Venezuela, 10.25N,66.48W) © Peter Boesman

1428 5 Plain Antvireo 5 Call 0:23 *Dysithamnus mentalis* (22/12/1997 10:00h, Yacambu NP, Lara, Venezuela, 09.43N,69.35W) © Peter Boesman

1428 6 Plain Antvireo 6 Call 0:07 *Dysithamnus mentalis* (13/8/2000 10:00h, Palmichal area, Carabobo, Venezuela, 10.21N,68.12W) © Peter Boesman

1428 7 Plain Antvireo 7 Rising call 0:23 *Dysithamnus mentalis* (22/12/1997 10:00h, Yacambu NP, Lara, Venezuela, 09.43N,69.35W) © Peter Boesman

1429 1 Spot-crowned Antvireo 1 song 0:07 *Dysithamnus puncticeps* (19/10/1996 , Cerro Campana, Panamá, Panama,) © Dodge Engleman

1429 2 Spot-crowned Antvireo 2 call 0:16 *Dysithamnus puncticeps* (16/12/1995 , Cerro Azul, Panamá, Panama,) © Dodge Engleman

1431 1 Bicolored Antvireo 1 Song pair 0:39 *Dysithamnus occidentalis* (1st January 2010 15h20. P.N. Tatamá, Montezuma trail, near Pueblo Rico, Risaralda, Colombia, 1600m, 5°14'3"N 76° 5'21"W!). © Peter Boesman.

1431 2 Bicolored Antvireo 2 Song 0:34 *Dysithamnus occidentalis* (1st January 2010 15h15. P.N. Tatamá, Montezuma trail, near Pueblo Rico, Risaralda, Colombia, 1600m, 5°14'3"N 76° 5'21"W!). © Peter Boesman.

1431 3 Bicolored Antvireo 3 Call () 0:34 *Dysithamnus occidentalis* (1st January 2010 15h00. P.N. Tatamá, Montezuma trail, near Pueblo Rico, Risaralda, Colombia, 1600m, 5°14'3"N 76° 5'21"W!). © Peter Boesman.

1434 1 Dusky-throated Antshrike 1 Song and call 0:45 *Thamnomanes ardesiacus* (28/7/2009 15:00h, Pantiacolla Lodge, Madre de Dios, Peru, 12.39S,71.14W) © Peter Boesman

1434 2 Dusky-throated Antshrike 2 Song and call 0:42 *Thamnomanes ardesiacus* (28/7/2009 07:30h, Pantiacolla Lodge, Madre de Dios, Peru, 12.39S,71.14W) © Peter Boesman

1434 3 Dusky-throated Antshrike 3 Song and call 0:33 *Thamnomanes ardesiacus* (28/7/2009 07:30h, Pantiacolla Lodge, Madre de Dios, Peru, 12.39S,71.14W) © Peter Boesman

1434 4 Dusky-throated Antshrike 4 Song 0:40 *Thamnomanes ardesiacus* (25/3/1997 10:30h, Lower Rio Caura area, Bolivar, Venezuela, 07.15N,65.00W) © Peter Boesman

1434 5 Dusky-throated Antshrike 5 Song 0:31 *Thamnomanes ardesiacus* (March 2009, Guiana trail km78, Bolivar, Venezuela) © Hans Matheve.

1434 6 Dusky-throated Antshrike 6 Call 0:10 *Thamnomanes ardesiacus* (28/7/2009 07:30h, Pantiacolla Lodge, Madre de Dios, Peru, 12.39S,71.14W) © Peter Boesman

1436 1 Cinereous Antshrike 1 Song 0:21 *Thamnomanes caesius glaucus*. Mitu, Vaupes, Colombia, 190m, 10:50h, 09-06-2011, N1.1445° W70.1344°, song, natural vocalization, from a female bird in a large mixed flock. © Andrew Spencer.

1436 2 Cinereous Antshrike 2 Song 0:47 *Thamnomanes caesius* (27/3/1997 07:30h, Lower Rio Caura area, Bolivar, Venezuela, 07.15N,65.00W) © Peter Boesman

1436 3 Cinereous Antshrike 3 Song 0:10 *Thamnomanes caesius* (25/7/2002 07:00h, km 88 area, Bolivar, Venezuela, 06.12N,61.24W) © Peter Boesman

1436 4 Cinereous Antshrike 4 Call and song 0:24 *Thamnomanes caesius* (17/2/2006 16:30h, Garenó Lodge, Napo, Ecuador, 01.05S,77.35W) © Peter Boesman

1436 5 Cinereous Antshrike 5 Call 0:18 *Thamnomanes caesius* (24/7/2005 09:00h, Rio Cristalino Jungle Lodge, Mato Grosso, Brazil, 09.27S,55.54W) © Peter Boesman

1436 6 Cinereous Antshrike 6 Call 0:31 *Thamnomanes caesius* (22/10/1994 10:30h, Km 85 area, Bolívar, Venezuela, 06.12N,61.23W) © Peter Boesman.

1436 7 Cinereous Antshrike 7 Call and song 0:12 *Thamnomanes caesius* (25/7/2002 07:00h, km 88 area, Bolívar, Venezuela, 06.12N,61.24W) © Peter Boesman.

1438 1 Spiny-faced Antshrike 1 Song 1:03 *Xenomnis setifrons* (16/4/1995 , Nusagandi NP , Panama, 09.20N,78.50W) © Peter Boesman.

1438 2 Spiny-faced Antshrike 2 Call and song 0:32 *Xenomnis setifrons* (16/4/1995 , Nusagandi NP , Panama, 09.20N,78.50W) © Peter Boesman.

1438 3 Spiny-faced Antshrike 3 Call 0:04 *Xenomnis setifrons* (16/4/1995 , Nusagandi NP , Panama, 09.20N,78.50W) © Peter Boesman.

1439 1 Spot-winged Antshrike 1 Song 1:12 *Pygiptila stellaris* ocellitalis. Mitu, Vaupes, Colombia, 190m, 09:30h, 08-06-2011, N1.14'45" W70.13'44", song, in response to playback © Andrew Spencer.

1439 2 Spot-winged Antshrike 2 Song 0:50 *Pygiptila stellaris* (22/7/2006 07:30h, Tabajos tracks, Sao Gabriel da Cachoeira, Amazonas, Brazil, 00.10S,67.00W) © Peter Boesman

1439 3 Spot-winged Antshrike 3 Song 0:55 *Pygiptila stellaris* (14/1/2005 08:15h, Carajás, Salobo area, Pará, Brazil, 05.55S,50.30W) © Peter Boesman

1439 4 Spot-winged Antshrike 4 Call 0:33 *Pygiptila stellaris*. (Cristalino Jungle Lodge, MT, Brazil, 250m, 07:10h, 23-08-2009, S9.35'53" W55.55'55"). © Andrew Spencer.

1439 5 Spot-winged Antshrike 5 Call 0:38 *Pygiptila stellaris*; (Cristalino Jungle Lodge, MT, Brazil, 250m, 07:10h, 23-08-2009, S9.35'53" W55.55'55"). © Andrew Spencer.

1440 1 Checker-throated Antwren 1 song and call 0:50 *Epinecrophilla fulviventris*. (15th March 2010 10h00, Braulio Carrillo NP, Quebrada Gonzalez HQ, Las Palmas trail, 500m elev., Heredia, Costa Rica). (Background: White-breasted Wood Wren). © Peter Boesman.

1440 2 Checker-throated Antwren 2 song 0:40 *Epinecrophilla fulviventris* (25/2/2006 10:00h, Silanche reserve, Pichincha, Ecuador, 00.10N,79.15W) © Peter Boesman

1440 3 Checker-throated Antwren 3 song QQ 0:59 *Epinecrophilla fulviventris*. (Pipeline Road, Colon Province, Panama, 100m, 10:00h, 25-07-2007). A pair seemingly engaged in social behavior. © Ken Allaire.

1440 4 Checker-throated Antwren 4 Song 0:24 *Epinecrophilla fulviventris*. RNA El Pajujil, Serranía de las Quinchas, Santander, Colombia, 350m, 24-04-2007, N5.56'0" W74.11'0", song, response to playback of its own call © Frank Lambert.

1443 1 Stipple-throated Antwren 1 Song 0:45 *Epinecrophilla haematona* pyrhoneota. (Mitu, Vaupes, Colombia, 190m, 11:00h, 09-06-2011, N1.14'45" W70.13'44"). Response to playback from a male bird in a large mixed flock. © Andrew Spencer.

1443 2 Stipple-throated Antwren 2 Song 0:08 *Myiotherula haematona* (30/10/1993 , Lower Rio Caura area, Bolívar, Venezuela, 07.15N,65.00W) © Peter Boesman

1443 3 Stipple-throated Antwren 3 Rattle 0:39 *Myiotherula haematona* (5th August 2010 9h00, Rio Javari, Reserva Natural Palmari, Amazonas, Brazil, 50m, 4°17'20" S, 70°17'41" W). © Peter Boesman.

1443 4 Stipple-throated Antwren 4 Scolding 0:22 *Myiotherula haematona* (30/10/1993 , Lower Rio Caura area, Bolívar, Venezuela, 07.15N,65.00W) © Peter Boesman

1443 5 Stipple-throated Antwren 5 Scolding 0:38 *Myiotherula haematona* (30/10/1993, Lower Rio Caura area, Bolívar, Venezuela, 07.15N,65.00W) © Peter Boesman

1443 6 Stipple-throated Antwren 6 Call 0:34 *Myiotherula haematona*. (23-05-2003 10:00h, Manu Wildlife Center, Madre de Dios, Peru, 260m, S12.23'57" W70.427"). In response to playback. © Nick Athanas.

1445 1 Foothill Antwren 1 Song 0:19 *Myiotherula spodiota* (27/6/1995 10:00h, Manu Andean Slope, Cuzco, Peru, 13.10S,71.30W) © Peter Boesman.

1446 1 Ornate Antwren 1 Song 0:27 *Myiotherula ornata* (11/1/2005 10:30h, Carajás, Aguas Claras area, Pará, Brazil, 06.00S,50.30W) © Peter Boesman

1446 2 Ornate Antwren 2 Song 0:31 *Myiotherula ornata* (12/1/2005 12:30h, Carajás, Salobo area, Pará, Brazil, 05.55S,50.30W) © Peter Boesman

1446 3 Ornate Antwren 3 Call and song 1:17 *Myiotherula ornata* (22/7/2009 08:00h, Manu Amazonia Lodge, Cuzco, Peru, 12.50S,71.15W) © Peter Boesman

1446 4 Ornate Antwren 4 Call and song 2:27 *Myiotherula ornata* (22/7/2009 08:00h, Manu Amazonia Lodge, Cuzco, Peru, 12.50S,71.15W) © Peter Boesman

1447 1 Rufous-tailed Antwren 1 Song 0:24 *Myiotherula erythra* (12-05-2007 10:41h, Shiripuno, Huaorani reserve, border of Orellana and Pastaza, Ecuador, 240m, S1.10'0" W76.40'0"). Male in a large mixed species flock with Black-throated Trogon, White-flanked Antwren. © Nick Athanas.

1447 2 Rufous-tailed Antwren 2 Call 0:37 *Epinecrophilla erythrura* erythrura. (Yasuni Research Station, Parque Nacional Yasuni, Orellana, Ecuador, 250m, 08:40h, 18-08-2010, S0.40'27" W76.23'52"). © Andrew Spencer.

1447 3 Rufous-tailed Antwren 3 Call 0:19 *Myiotherula erythrura* (12-05-2007 10:32h, Shiripuno, Huaorani reserve, border of Orellana and Pastaza, Ecuador, 240m, S1.10'0" W76.40'0"). In a large mixed species flock with Tawny-crowned Greenlet, Dusky-capped Greenlet, Screaming Pihá. © Nick Athanas.

1447 4 Rufous-tailed Antwren 4 Rattle call 0:37 *Epinecrophilla erythrura* erythrura. (Yasuni Research Station, Parque Nacional Yasuni, Orellana, Ecuador, 250m, 11:50h, 22-08-2010, S0.40'27" W76.23'52"). Rattle call from a female bird. © Andrew Spencer.

1448 1 Pygmy Antwren 1 Song 0:23 *Myiotherula brachyura* (25/7/2002 08:30h, km 88 area, Bolívar, Venezuela, 06.12N,61.24W) © Peter Boesman

1448 2 Pygmy Antwren 2 Song 0:22 *Myiotherula brachyura* (30/10/1993 , Lower Rio Caura area, Bolívar, Venezuela, 07.15N,65.00W) © Peter Boesman.

1448 3 Pygmy Antwren 3 Song 0:37 *Myiotherula brachyura* (24th July 2010 9h00, ACTS Explornapo, Loreto, Peru, 120 m. 3°10' S, 72°55' W). (Background: White-throated Toucan, Yellow-browed Tody-flycatcher, Dusky-capped Greenlet). © Peter Boesman.

1448 4 Pygmy Antwren 4 Song 0:12 *Myiotherula brachyura* (1/11/1993 , Junglaven area, Amazonas, Venezuela, 05.00N,66.23W) © Peter Boesman.

1448 5 Pygmy Antwren 5 Song 0:21 *Myiotherula brachyura* (19/7/2006 10:30h, Sao Gabriel da Cachoeira area, Amazonas, Brazil, 00.01S,66.30W) © Peter Boesman.

1448 6 Pygmy Antwren 6 Call 0:32 *Myiotherula brachyura* (7/8/2003 08:00h, Rio Grande area, Bolívar, Venezuela, 08.03N,61.40W) © Peter Boesman

1448 7 Pygmy Antwren 7 Call 0:58 *Myiotherula brachyura* (11th August 2010 16h30, Peruvian side of Rio Javari, Reserva Natural Palmari, Amazonas, Brazil, 50m, 4°17'20" S, 70°17'41" W). © Peter Boesman.

1448 8 Pygmy Antwren 8 Call 0:23 *Myiotherula brachyura* (9th August 2010 16h00, Peruvian side of Rio Javari, Reserva Natural Palmari, Amazonas, Brazil, 50m, 4°17'20" S, 70°17'41" W). © Peter Boesman.

1449 1 Moustached Antwren 1 Song 0:51 *Myiotherula ignota* obscura. Mitu, Vaupes, Colombia, 190m, 07:10h, 14-06-2011, N1.14'45" W70.13'44", song, response to playback © Andrew Spencer.

1449 2 Moustached Antwren 2 Song 0:55 *Myiotherula ignota* (24th July 2010 16h00, ACTS Explornapo, Loreto, Peru, 120 m. 3°10' S, 72°55' W). © Peter Boesman.

1449 3 Moustached Antwren 3 Calls and song 2:12 *Myiotherula ignota* (24th July 2010 16h00, ACTS Explornapo, Loreto, Peru, 120 m. 3°10' S, 72°55' W). © Peter Boesman.

1449 4 Moustached Antwren 4 Call 0:36 *Myiotherula ignota* obscura. (Mitu, Vaupes, Colombia, 190m, 07:10h, 14-06-2011, N1.14'45" W70.13'44"). Calls from a male bird. © Andrew Spencer.

1450 1 Yellow-throated Antwren 1 Song 1:07 *Myiotherula ambigua* (22/7/2006 09:00h, Tabajos tracks, Sao Gabriel da Cachoeira, Amazonas, Brazil, 00.10S,67.00W) © Peter Boesman.

1450 2 Yellow-throated Antwren 2 Song 0:38 *Myiotherula ambigua* (22/7/2006 09:00h, Tabajos tracks, Sao Gabriel da Cachoeira, Amazonas, Brazil, 00.10S,67.00W) © Peter Boesman.

1450 3 Yellow-throated Antwren 3 Song 0:52 *Myiotherula ambigua*. Mitu, Vaupes, Colombia, 190m, 10:35h, 08-06-2011, N1.14'45" W70.13'44", Song in response to playback from a bird at the edge of a clearing in terra firme forest. © Andrew Spencer.

1452 1 Guianan Streaked-Antwren 1 Song 0:21 *Myiotherula surinamensis* (26/3/1997 17:00h, Lower Rio Caura area, Bolívar, Venezuela, 07.15N,65.00W) © Peter Boesman.

1452 2 Guianan Streaked-Antwren 2 Female call and call 0:42 *Myiotherula surinamensis* (7/8/2003, Rio Grande area, Bolívar, Venezuela, 08.03N,61.40W) © Peter Boesman

1452 3 Guianan Streaked-Antwren 3 Female call and call 0:31 *Myiotherula surinamensis* (26/3/1997 17:00h, Lower Rio Caura area, Bolívar, Venezuela, 07.15N,65.00W) © Peter Boesman.

1452 4 Guianan Streaked-Antwren 4 Female call 0:19 *Myiotherula surinamensis* (23/7/2002 10:00h, Rio Grande area, Bolívar, Venezuela, 08.03N,61.40W) © Peter Boesman.

1452 5 Guianan Streaked-Antwren 5 Call and female call 0:42 *Myiotherula surinamensis* (7/8/2003 06:30h, Rio Grande area, Bolívar, Venezuela, 08.03N,61.40W) © Peter Boesman.

1453 1 Amazonian Streaked-Antwren 1 Song 0:10 *Myiotherula multistriata* (23/7/2005 07:15h, Rio Cristalino Jungle Lodge, Mato Grosso, Brazil, 09.27S,55.54W) © Peter Boesman

1453 2 Amazonian Streaked-Antwren 2 Song 0:32 *Myiotherula multistriata* (6th August 2010 9h00, Rio Javari, Reserva Natural Palmari, Amazonas, Brazil, 50m, 4°17'20" S, 70°17'41" W). © Peter Boesman.

1453 3 Amazonian Streaked-Antwren 3 Female call 0:54 *Myiotherula multistriata* (19/1/2005 13:00h, Carajás, Salobo area, Pará, Brazil, 05.55S,50.30W) © Peter Boesman

1453 4 Amazonian Streaked-Antwren 4 Female call and call 0:48 *Myiotherula multistriata* (14/1/2005 09:00h, Carajás, Salobo area, Pará, Brazil, 05.55S,50.30W) © Peter Boesman

1453 5 Amazonian Streaked-Antwren 5 Call 0:58 *Myiotherula multistriata* (14/1/2005 09:00h, Carajás, Salobo area, Pará, Brazil, 05.55S,50.30W) © Peter Boesman

1454 1 Pacific Antwren 1 Song 0:43 *Myiotherula pacifica* (25/2/2006 12:00h, Silanche reserve, Pichincha, Ecuador, 00.10N,79.15W) © Peter Boesman.

1454 2 Pacific Antwren 2 Song 0:24 *Myiotherula pacifica* (4th February 2011 8h30. Rio Claro, Doradal, Antioquia, Colombia, 1500m, 5.54°0' N, 74.50'54" W). © Peter Boesman.

1455 1 Cherrie's Antwren 1 Song 0:38 *Myiotherula cherriei* (24/1/2006 , Junglaven area, Amazonas, Venezuela, 05.00N,66.23W) © Mark Van Beirs

1455 2 Cherrie's Antwren 2 Song 0:48 *Myiotherula cherriei*. Mitu, Vaupes, Colombia, 190m, 08:30h, 12-06-2011, N1.14'45" W70.13'44", Calls and songs from a pair of birds in response to playback. The target bird in this cut was the female. © Andrew Spencer.

1455 3 Cherrie's Antwren 3 Song 0:40 *Myiotherula cherriei* (March 2009 , Junglaven area, Amazonas, Venezuela, 05.00N,66.23W) © Hans Matheve.

1455 4 Cherrie's Antwren 4 Call 0:20 *Myiotherula cherriei*. (Mitu, Vaupes, Colombia, 190m, 08:30h, 12-06-2011, N1.14'45" W70.13'44"). Calls from a pair of birds in response to playback. © Andrew Spencer.

1455 5 Cherrie's Antwren 5 Call 0:15 *Myiotherula cherriei* (24/1/2006 , Junglaven area, Amazonas, Venezuela, 05.00N,66.23W) © Mark Van Beirs

1455 6 Cherrie's Antwren 6 Call 1:05 Myrmotherula cherriei (March 2009 , Junglaven area, Amazonas, Venezuela, 05.00N,66.23W) © Hans Matheve.

1457 1 Stripe-chested Antwren 1 Song 1:13 Myrmotherula longicauda (19/2/2006 14:00h, Archidona area, Napo, Ecuador, 00.55S,77.45W) © Peter Boesman.

1457 2 Stripe-chested Antwren 2 Call 1:04 Myrmotherula longicauda (19/2/2006 14:00h, Archidona area, Napo, Ecuador, 00.55S,77.45W) © Peter Boesman.

1458 1 Plain-throated Antwren 1 Song 0:33 Myrmotherula huxwelli suffusa. Mitu, Vaupes, Colombia, 190m, 14:00h, 12-06-2011, N1.14'45" W70.13'44", Song from a male bird in response to playback © Andrew Spencer.

1458 2 Plain-throated Antwren 2 Song 0:38 Myrmotherula huxwelli (25/7/2005 06:15h, Rio Cristalino Jungle Lodge, Mato Grosso, Brazil, 09.27S,55.54W) © Peter Boesman

1458 3 Plain-throated Antwren 3 Song 0:16 Myrmotherula huxwelli (27/7/2009 09:30h, Pantiacolla Lodge, Madre de Dios, Peru, 12.39S,71.14W) © Peter Boesman

1458 4 Plain-throated Antwren 4 Song 0:41 Myrmotherula huxwelli (3rd August 2010 8h30, Muyuna lodge, Loreto, Peru, 4°18' S, 73°17' W). © Peter Boesman.

1458 5 Plain-throated Antwren 5 Song 1:53 Myrmotherula huxwelli (22nd July 2010 8h00, Allpahuayo - Mishana Reserve, Loreto, Peru, 120m, S3.50'0" W73.15'0"). © Peter Boesman.

1458 6 Plain-throated Antwren 6 Call 0:31 Myrmotherula huxwelli (3rd August 2010 8h30, Muyuna lodge, Loreto, Peru, 4°18' S, 73°17' W). © Peter Boesman.

1458 7 Plain-throated Antwren 7 Call 0:31 Myrmotherula huxwelli (21st July 2010 11h00, Allpahuayo - Mishana Reserve, Loreto, Peru, 120m, S3.50'0" W73.15'0"). © Peter Boesman.

1461 21 White-flanked Antwren 21 Song Amazon 0:44 Myrmotherula axillaris (28th July 2010 6h30, Explornapo, Loreto, Peru, 120 m. 3°10' S, 72°55' W), © Peter Boesman.

1461 22 White-flanked Antwren 22 Song Amazon 0:34 Myrmotherula axillaris (23/12/1992 07:15h, La Selva lodge, Napo, Ecuador, 00.30S,76.30W) © Peter Boesman

1461 23 White-flanked Antwren 23 Song Amazon 1:01 Myrmotherula axillaris (20/7/2006 06:00h, Tabajos tracks, Sao Gabriel da Cachoeira, Amazonas, Brazil, 00.10S,67.00W) © Peter Boesman

1461 24 White-flanked Antwren 24 Rattle Amazon 0:12 Myrmotherula axillaris (20/7/2006 10:30h, Tabajos tracks, Sao Gabriel da Cachoeira, Amazonas, Brazil, 00.10S,67.00W) © Peter Boesman

1461 25 White-flanked Antwren 25 Rattle Amazon 0:41 Myrmotherula axillaris (March 2009, Orinoquia Lodge, Amazonas, Venezuela) © Hans Matheve.

1461 26 White-flanked Antwren 26 Call Amazon 0:41 Myrmotherula axillaris (22/7/2006 07:30h, Tabajos tracks, Sao Gabriel da Cachoeira, Amazonas, Brazil, 00.10S,67.00W) © Peter Boesman

1461 27 White-flanked Antwren 27 Call Amazon 0:19 Myrmotherula axillaris (1/11/1993 , Junglaven area, Amazonas, Venezuela, 05.00N,66.23W) © Peter Boesman.

1462 1 Slaty Antwren 1 Call 0:26 Myrmotherula schisticolor (4/6/1995 09:30h, Palmichal area, Carabobo, Venezuela, 10.21N,68.12W) © Peter Boesman

1462 2 Slaty Antwren 2 Call 1:04 Myrmotherula schisticolor (19/3/1993 , Rancho Grande area, Aragua, Venezuela, 10.21N,67.42W) © Peter Boesman.

1462 3 Slaty Antwren 3 Call 0:11 Myrmotherula schisticolor (22/12/2001 , Paria peninsula hills, Sucre, Venezuela, 10.41N,62.37W) © Mark Van Beirs.

1462 4 Slaty Antwren 4 Call 0:19 Myrmotherula schisticolor interior. El Cedral (alrededores), SFF Otun/Quimbaya, corregimiento La Florida, Pereira, Risaralda, Colombia, 2000m, 07:27h, 21-03-1999, Call © Bernabe Lopez-Lanus.

1463 1 Rio Suno Antwren 1 Song 0:27 Myrmotherula sunensis (11-05-2007 09:22h, Shiripuno, Huaorani reserve, Orellana/Pastaza border, Ecuador, 220m, S1.10'0" W76.40'0"). Male. Response to playback. (Background: Blue-black Grosbeak, Cinereous Antshrike, Tawny-crowned Greenlet) © Nick Athanas.

1465 1 Long-winged Antwren 1 Song 0:33 Myrmotherula longipennis zimmeri. (November 1994. Right (S) bank of Rio Napo, opposite La Selva and Sacha Lodge, Orellana, Ecuador. 235m. 00.30S, 76.16W). John V. Moore.

1465 2 Long-winged Antwren 2 Call 0:11 Myrmotherula longipennis paraensis. (Cristalino Jungle Lodge, MT, Brazil, 250m, 09:45h, 10-09-2009, S9.35'53" W55.55'55"). © Andrew Spencer.

1472 1 Plain-winged Antwren 1 Call 0:26 Myrmotherula behni (March 2009, La Escalera, Bolivar, Venezuela) © Hans Matheve.

1472 2 Plain-winged Antwren 2 Call 0:05 Myrmotherula behni (March 2009, La Escalera, Bolivar, Venezuela) © Hans Matheve.

1473 1 Gray Antwren 1 Song 1:34 Myrmotherula menetriesii (25/7/2002 08:00h, km 88 area, Bolivar, Venezuela, 06.12N,61.24W) © Peter Boesman

1473 2 Gray Antwren 2 Song 0:24 Myrmotherula menetriesii (1/11/1993 , Junglaven area, Amazonas, Venezuela, 05.00N,66.23W) © Peter Boesman.

1473 3 Gray Antwren 3 Song 1:41 Myrmotherula menetriesii (11th August 2010 16h30, Peruvian side of Rio Javari, Reserva Natural Palmari, Amazonas, Brazil, 50m, 4°17'20" S, 70°17'41" W). © Peter Boesman.

1473 4 Gray Antwren 4 Song 0:28 Myrmotherula menetriesii pallida. Mitu, Vaupes, Colombia, 190m, 13:30h, 13-06-2011, N1.14'45" W70.13'44", song, response to playback from a male bird in a large mixed flock. © Andrew Spencer.

1473 6 Gray Antwren 6 Call 0:38 Myrmotherula menetriesii (25/7/2002 08:00h, km 88 area, Bolivar, Venezuela, 06.12N,61.24W) © Peter Boesman.

1474 1 Leaden Antwren 1 Song 0:29 Myrmotherula assimilis. (25-01-2006 16:30h, Ilha Anavilhanas, west of Manaus, Brazil, 20m, S2.56'33" W60.29'0"). (Background: Black-chinned Antbird, Rusty-backed Spinetail, Buff-throated Woodcreeper). © Nick Athanas.

1474 2 Leaden Antwren 2 Song 0:39 Myrmotherula assimilis. (29th July 2010 6h30, Padre Island near Cumaceba lodge, Loreto, Peru, 3°38' S, 73°08' W). © Peter Boesman.

1474 3 Leaden Antwren 3 Song 1:21 Myrmotherula assimilis. (9th August 2010 16h00, Peruvian side of Rio Javari, Reserva Natural Palmari, Amazonas, Brazil, 50m, 4°17'20" S, 70°17'41" W). © Peter Boesman.

1474 4 Leaden Antwren 4 Call 0:09 Myrmotherula assimilis. (29th July 2010 6h30, Padre Island near Cumaceba lodge, Loreto, Peru, 3°38' S, 73°08' W). © Peter Boesman.

1474 5 Leaden Antwren 5 Call 0:24 Myrmotherula assimilis. (Ilha Anavilhanas, west of Manaus, Brazil, 20m, 09:00h, 28-01-2006, S2.56'33" W60.29'0"). (Background: Buff-breasted Wren, Euler's Flycatcher, Ash-breasted Antbird, Festive Parrot). © Nick Athanas

1475 1 Banded Antbird 1 Song 1:26 Dichrozona cincta (21/7/2005 06:15h, Rio Cristalino Jungle Lodge, Mato Grosso, Brazil, 09.27S,55.54W) © Peter Boesman

1475 2 Banded Antbird 2 Call 1:10 Dichrozona cincta. (07-09-08 09:00h, Cocha Otorongo, Manu NP, Madre de Dios, Peru, 330m). Alarm call after playback: © Fabrice Schmitt.

1475 3 Banded Antbird 3 Call 0:08 Dichrozona cincta stellata. (Shiripuno, Huaorani reserve, border of Orellana and Pastaza, Ecuador, 220m, 12:46h, 11-05-2007, S1.617" W76.43'54"). Response to playback © Nick Athanas.

1475 4 Banded Antbird 4 Call 0:03 Dichrozona cincta (21/7/2005 06:15h, Rio Cristalino Jungle Lodge, Mato Grosso, Brazil, 09.27S,55.54W) © Peter Boesman

1483 1 Dugand's Antwren 1 Song 0:58 Herpsilochmus dugandi (25/12/1992 , La Selva lodge, Napo, Ecuador, 00.30S,76.30W) © Peter Boesman.

1486 1 Spot-backed Antwren 1 Song 0:57 Herpsilochmus dorsimaculatus (24/7/2006 09:00h, Tabajos tracks, Sao Gabriel da Cachoeira, Amazonas, Brazil, 00.10S,67.00W) © Peter Boesman.

1486 2 Spot-backed Antwren 2 Song 1:43 Herpsilochmus dorsimaculatus (17/7/2006 08:15h, Iracema falls, Presidente Figueiredo, Amazonas, Brazil, 02.00S,60.00W) © Peter Boesman.

1486 3 Spot-backed Antwren 3 Song and call 0:47 Herpsilochmus dorsimaculatus. Mitu, Vaupes, Colombia, 190m, 07:50h, 09-06-2011, N1.14'45" W70.13'44", Song and call in response to playback, from a bird moving with a canopy flock. © Andrew Spencer.

1486 4 Spot-backed Antwren 4 Call 0:52 Herpsilochmus dorsimaculatus (24/7/2006 09:00h, Tabajos tracks, Sao Gabriel da Cachoeira, Amazonas, Brazil, 00.10S,67.00W) © Peter Boesman.

1486 5 Spot-backed Antwren 5 Call 0:31 Herpsilochmus dorsimaculatus (24/7/2006 09:00h, Tabajos tracks, Sao Gabriel da Cachoeira, Amazonas, Brazil, 00.10S,67.00W) © Peter Boesman.

1486 6 Spot-backed Antwren 6 Call 0:38 Herpsilochmus dorsimaculatus. Mitu, Vaupes, Colombia, 190m, 07:50h, 12-06-2011, N1.14'45" W70.13'44", Calls from a single bird away from a flock. © Andrew Spencer.

1490 1 Yellow-breasted Antwren 1 Song 0:48 Herpsilochmus axillaris (15/2/2006 09:30h, Sumaco road, Napo, Ecuador, 00.45S,77.35W) © Peter Boesman.

1491 1 Rufous-winged Antwren 1 Song 0:47 Herpsilochmus rufimarginatus (2/2/1997 06:00h, Morrocoy NP, Falcon, Venezuela, 10.51N,68.18W) © Peter Boesman

1491 2 Rufous-winged Antwren 2 Song 0:35 Herpsilochmus rufimarginatus (4/6/1995 09:15h, Palmichal area, Carabobo, Venezuela, 10.21N,68.12W) © Peter Boesman.

1491 3 Rufous-winged Antwren 3 Song 0:27 Herpsilochmus rufimarginatus (February 2009, Morrocoy NP, Falcon, Venezuela, 10.51N,68.18W) © Hans Matheve.

1491 4 Rufous-winged Antwren 4 Call 0:32 Herpsilochmus rufimarginatus (2/1/2008 10:30h, Quebrada Upaquiuhua, San Martin, Peru, 06.40S,76.25W) © Peter Boesman

1492 1 Dot-winged Antwren 1 Song N 0:28 Microtopias quixensis (4th February 2011 9h30. Rio Claro, Doradal, Antioquia, Colombia, 1500m, 5.54'0" N, 74.50'54" W). © Peter Boesman.

1492 2 Dot-winged Antwren 2 Song N 0:07 Microtopias quixensis (10/4/2003 10:00h, Bonampak, Chiapas, Mexico, 16.42N,91.05W) © Peter Boesman

1492 3 Dot-winged Antwren 3 Song and calls N 0:39 Microtopias quixensis. (23rd March 2010 07h00, Carara NP area, 10m elev., Puntarenas, Costa Rica). (Background: Barred Antshrike). © Peter Boesman.

1492 4 Dot-winged Antwren 4 Song and call S 1:01 Microtopias quixensis (29/7/2009 17:00h, Pilcopata area, Cuzco, Peru, 12.50S,71.15W) © Peter Boesman

1492 5 Dot-winged Antwren 5 call series 0:27 Microtopias quixensis. (23rd March 2010 07h05, Carara NP area, 10m elev., Puntarenas, Costa Rica). (Background: Barred Antshrike, Dusky Antbird, Slate-headed Tody Flycatcher). © Peter Boesman.

1492 6 Dot-winged Antwren 6 Call 0:12 Microtopias quixensis (29/7/2009 17:00h, Pilcopata area, Cuzco, Peru, 12.50S,71.15W) © Peter Boesman

1492 7 Dot-winged Antwren 7 Call 0:35 Microtopias quixensis (4th February 2011 9h30. Rio Claro, Doradal, Antioquia, Colombia, 1500m, 5.54'0" N, 74.50'54" W). © Peter Boesman.

1495 11 White-fringed Antwren 11 Song male 0:31 Formicivora intermedia (10/2/1997 09:00h, Morrocoy NP, Falcon, Venezuela, 10.51N,68.18W) © Peter Boesman.

1495 12 White-fringed Antwren 12 Song male 0:17 Formicivora intermedia (2/2/1994 , Caño Colorado, Monagas, Venezuela, 09.55N,62.55W) © Peter Boesman.

1495 13 White-fringed Antwren 13 Call 0:19 Formicivora intermedia (10/2/1997 07:00h, Morrocoy NP, Falcon, Venezuela, 10.51N,68.18W) © Peter Boesman.

1495 14 White-fringed Antwren 14 Call 0:38 Formicivora intermedia (27/5/1995 09:00h, Guataparo area, Carabobo, Venezuela, 10.13N,68.05W) © Peter Boesman.

1495 15 White-fringed Antwren 15 Call female
1495 17 White-fringed Antwren 17 Call
1495 18 White-fringed Antwren 18 Call
1495 19 White-fringed Antwren 19 Call
1495 21 White-fringed Antwren 21 Song male South
1495 22 White-fringed Antwren 22 Song male
1495 23 White-fringed Antwren 23 Song male
1495 24 White-fringed Antwren 24 Song female
1495 25 White-fringed Antwren 25 Duet
1495 26 White-fringed Antwren 26 Duet
1495 27 White-fringed Antwren 27 Duet ()
1495 28 White-fringed Antwren 28 Calls
1508 1 Striated Antbird 1 Song
1508 2 Striated Antbird 2 Song
1508 3 Striated Antbird 3 Song
1509 1 Long-tailed Antbird 1 Song
1509 2 Long-tailed Antbird 2 Song
1509 3 Long-tailed Antbird 3 Song
1509 4 Long-tailed Antbird 4 Song
1509 5 Long-tailed Antbird 5 Duet
1509 6 Long-tailed Antbird 6 Call
1509 7 Long-tailed Antbird 7 Call
1509 8 Long-tailed Antbird 8 Call
1511 1 Imeri Warbling-Antbird 1 Song
1511 2 Imeri Warbling-Antbird 2 Song
1511 3 Imeri Warbling-Antbird 3 Song
1511 4 Imeri Warbling-Antbird 4 Female call
1511 5 Imeri Warbling-Antbird 5 Female call
1511 6 Imeri Warbling-Antbird 6 Call
1512 1 Peruvian Warbling-Antbird 1 Song
1512 2 Peruvian Warbling-Antbird 2 Song
1512 3 Peruvian Warbling-Antbird 3 Female call
1512 4 Peruvian Warbling-Antbird 4 Female call
1512 5 Peruvian Warbling-Antbird 5 Song and call
1512 6 Peruvian Warbling-Antbird 6 Alarm call
1516 1 Yellow-browed Antbird 1 Song
1516 2 Yellow-browed Antbird 2 Song
1516 3 Yellow-browed Antbird 3 Song
1516 4 Yellow-browed Antbird 4 Song
1516 5 Yellow-browed Antbird 5 Call
1516 6 Yellow-browed Antbird 6 Call
1516 7 Yellow-browed Antbird 7 Song and calls
1516 8 Yellow-browed Antbird 8 Call and song
1519 1 Rufous-rumped Antwren 1 Song
1519 2 Rufous-rumped Antwren 2 Song ()
1519 3 Rufous-rumped Antwren 3 Song ()
1520 1 Chestnut-shouldered Antwren 1 Song
1520 2 Chestnut-shouldered Antwren 2 Song
1522 1 Ash-winged Antwren 1 Song
1522 2 Ash-winged Antwren 2 Song
1522 3 Ash-winged Antwren 3 Song
1522 4 Ash-winged Antwren 4 Call and song
1523 1 Gray Antbird 1 Song
1523 2 Gray Antbird 2 Song
1523 3 Gray Antbird 3 Song
1523 4 Gray Antbird 4 Song
1523 5 Gray Antwren 5 Call
1523 6 Gray Antbird 5 Call
1525 1 Dusky Antbird 1 Song
1525 2 Dusky Antbird 2 Song
1525 3 Dusky Antbird 3 Song
1525 4 Dusky Antbird 4 Duet
1525 5 Dusky Antbird 5 Subsong

0:16 Formicivora intermedia (4th January 2010 18h15. Mana Dulce, Tolima, Colombia, 4° 21' 04"N 74° 39' 06"W). (Background: Pheasant Cuckoo). © Peter Boesman.
1:12 Formicivora intermedia (16/3/1997 10:00h, Canoabo area, Carabobo, Venezuela, 10.20N,68.18W) © Peter Boesman.
0:14 Formicivora intermedia (6/8/2000 07:00h, Quibor - Sanare road, Lara, Venezuela, 09.48N,69.36W) © Peter Boesman.
0:39 Formicivora intermedia (5/8/2003 08:00h, Dry forest W of El Palmar, Bolivar, Venezuela, 07.58N,62.13W) © Peter Boesman.
0:49 Formicivora grisea (21/1/2005, Carajás, Salobo area, Pará, Brazil, 05.55S,50.30W) © Peter Boesman
0:44 Formicivora grisea (22/4/1985 , San Carlos de Rio Negro, Amazonas, Venezuela, 01.55N,67.02W) © Chris Parrish.
1:02 Formicivora grisea (14/1/2005 13:30h, Carajás, Salobo area, Pará, Brazil, 05.55S,50.30W) © Peter Boesman.
0:54 Formicivora grisea (17/1/2005 08:00h, Carajás, Salobo area, Pará, Brazil, 05.55S,50.30W) © Peter Boesman.
0:37 Formicivora grisea (17/1/2005 07:00h, Carajás, Salobo area, Pará, Brazil, 05.55S,50.30W) © Peter Boesman.
0:59 Formicivora grisea (17/1/2005 08:00h, Carajás, Salobo area, Pará, Brazil, 05.55S,50.30W) © Peter Boesman.
0:15 Formicivora grisea (17/7/2006 16:00h, Lajes campina, Presidente Figueiredo, Amazonas, Brazil, 02.00S,60.00W) © Peter Boesman.
0:22 Formicivora grisea (21/1/2005 17:00h, Carajás, Salobo area, Pará, Brazil, 05.55S,50.30W) © Peter Boesman.
0:50 Drymophila devillei (23/7/2009 08:00h, Amazon Manu Lodge, Madre de Dios, Peru, 12.18S,70.48W) © Peter Boesman
0:59 Drymophila devillei (29/7/2009 09:00h, Pantiacolla Lodge, Madre de Dios, Peru, 12.39S,71.14W) © Peter Boesman
0:54 Drymophila devillei (23/7/2009 08:00h, Amazon Manu Lodge, Madre de Dios, Peru, 12.18S,70.48W) © Peter Boesman
0:32 Drymophila caudata (30/4/1995 09:00h, Serrania de San Luis, Falcon, Venezuela, 11.12N,69.42W) © Peter Boesman.
0:44 Drymophila caudata (30th December 2009 7h30. R.N. Rio Blanco, Caldas, Colombia, 2600m, 5° 5' N 75° 30'W). (Background: Slate-crowned Antpitta). © Peter Boesman.
0:41 Drymophila caudata (2/8/2000 09:00h, Campamento La Trampa, Tachira, Venezuela, 07.55N,71.43W) © Peter Boesman.
0:33 Drymophila caudata (5/8/2006 06:45h, Yacambu NP, Lara, Venezuela, 09.43N,69.35W) © Nick Athanas.
0:38 Drymophila caudata (March 2009, Henri Pittier NP, Aragua, Venezuela, 11.12N,69.42W) © Peter Boesman.
0:11 Drymophila caudata (3/1/1994 09:00h, Santa Marta Lorenzo road, Magdalena, Colombia, 11.00N,73.40W) © Peter Boesman
0:45 Drymophila caudata (30th December 2009 9h40. R.N. Rio Blanco, Caldas, Colombia, 2600m, 5° 5' N 75° 30'W). © Peter Boesman.
0:28 Drymophila caudata (13/2/2006 15:00h, San Isidro lodge, Napo, Ecuador, 00.40S,77.55W) © Peter Boesman
0:18 Hypocnemis flavescens (1/11/1993 , Junglaven area, Amazonas, Venezuela, 05.00N,66.23W) © Peter Boesman.
1:50 Hypocnemis flavescens. Mitu, Vaupes, Colombia, 190m, 09:40h, 10-06-2011, N1.14'45" W70.13'44", song duet from a pair of birds. © Andrew Spencer.
0:42 Hypocnemis flavescens (22/7/2006 07:00h, Tabajos tracks, Sao Gabriel da Cachoeira, Amazonas, Brazil, 00.10S,67.00W) © Peter Boesman.
0:18 Hypocnemis flavescens (11/11/1993 , Junglaven area, Amazonas, Venezuela, 05.00N,66.23W) © Peter Boesman.
0:25 Hypocnemis flavescens (16/12/2001 , Junglaven area, Amazonas, Venezuela, 05.00N,66.23W) © Mark Van Beirs.
0:05 Hypocnemis flavescens (11/11/1993 , Junglaven area, Amazonas, Venezuela, 05.00N,66.23W) © Peter Boesman.
1:17 Hypocnemis peruviana (2/8/2008 06:15h, Villa Rica Coffee plantations, Pasco, Peru, 10.40S,75.20W) © Peter Boesman
0:26 Hypocnemis peruviana (2/8/2008 08:30h, Villa Rica Coffee plantations, Pasco, Peru, 10.40S,75.20W) © Peter Boesman
0:25 Hypocnemis peruviana (1/1/2008 10:45h, Morro de Calzada, San Martin, Peru, 06.00S,77.05W) © Peter Boesman
0:32 Hypocnemis peruviana saturata. (Tierra Blanca, Loreto , Peru, 150m, 08:28h, 14-05-2008, S4.16'56" W77.14'26"). (Background: Gray-fronted Dove, Thrush-like Wren, Great Antshrike). © Nick Athanas.
0:24 Hypocnemis peruviana (10th August 2010 8h00, Rio Javari, Reserva Natural Palmari, Amazonas, Brazil, 50m, 4° 17'20" S, 70° 17'41" W). © Peter Boesman
0:04 Hypocnemis peruviana saturata. (El Para, east of Archidona, Napo, Ecuador, 750m, 11:00h, 24-01-2011, S0.577" W77.43'53"). Natural vocalization; in flight. © Andrew Spencer.
0:50 Hypocnemis hypoxantha (20th July 2010 6h15, Allpahuayo - Mishana Reserve, Loreto, Peru, 120m, S3.50'0" W73.15'0"). © Peter Boesman.
1:16 Hypocnemis hypoxantha (21st July 2010 08h30, Allpahuayo - Mishana Reserve, Loreto, Peru, 120m, S3.50'0" W73.15'0"). (Background: Channel-billed Toucan). © Peter Boesman.
1:04 Hypocnemis hypoxantha (17/2/2006 07:30h, Gareno Lodge, Napo, Ecuador, 01.05S,77.35W) © Peter Boesman
0:47 Hypocnemis hypoxantha (23/7/2006 06:45h, Moises trail, Sao Gabriel da Cachoeira, Amazonas, Brazil, 00.30S,66.30W) © Peter Boesman.
0:36 Hypocnemis hypoxantha. (14-05-2008 10:39h, Tierra Blanca, Loreto, Peru, 150m, S4.16'56" W77.14'26"). © Nick Athanas.
0:24 Hypocnemis hypoxantha. (Allpahuayo-Mishana Reserve, Loreto, Peru, 150m, 11:45h, 29-12-2009, S3.50'0" W73.15'0"). © Andrew Spencer.
1:38 Hypocnemis hypoxantha (23/7/2006 06:45h, Moises trail, Sao Gabriel da Cachoeira, Amazonas, Brazil, 00.30S,66.30W) © Peter Boesman.
1:10 Hypocnemis hypoxantha hypoxantha. Mitu, Vaupes, Colombia, 190m, 08:20h, 10-06-2011, N1.14'45" W70.13'44", Song and call in response to playback. © Andrew Spencer.
0:35 Terenura callinota callinota. RNA Arrierito Antioqueño, Anori, Antioquia, Colombia, 1700m, 14:40h, 16-06-2011, N6.59'10" W75.7'30", song, natural vocalization; from a bird part of a large mixed species flock. © Andrew Spencer.
0:09 Terenura callinota (30/12/2007 14:30h, Abra Patricia road, San Martin, Peru, 05.50S,77.46W) © Peter Boesman
0:36 Terenura callinota. (cloud forest at Pirre Camp, Cerro Pirre, Darien, Panama, 1300m, 16:00h, 26-06-2009, N7.50'53" W77.42'0"). Almost lost in the ambient sounds. © Ken Allaire.
0:52 Terenura humeralis (26/7/2009 07:30h, Amazon Manu Lodge, Madre de Dios, Peru, 12.18S,70.48W) © Peter Boesman
1:02 Terenura humeralis (26/7/2009 08:30h, Amazon Manu Lodge, Madre de Dios, Peru, 12.18S,70.48W) © Peter Boesman
0:19 Terenura spodioptila (31/7/2002, El Pauji road, Bolivar, Venezuela, 04.36N,61.30W) © Peter Boesman
0:17 Terenura spodioptila (31/7/2002 10:30h, El Pauji road, Bolivar, Venezuela, 04.36N,61.30W). Two birds. © Peter Boesman
0:26 Terenura spodioptila (2/8/2002 08:30h, Lower escalera, Bolivar, Venezuela, 06.00N,61.22W) © Peter Boesman.
0:24 Terenura spodioptila (March 2009, Rio Grande area, Bolivar, Venezuela, 08.03N,61.40W) © Hans Matheue.
0:45 Cercomacra cinerascens cinerascens. Mitu, Vaupes, Colombia, 190m, 12:30h, 13-06-2011, N1.14'45" W70.13'44", song, natural vocalization © Andrew Spencer.
0:39 Cercomacra cinerascens (6/8/2003 08:00h, Rio Grande area, Bolivar, Venezuela, 08.03N,61.40W) © Peter Boesman
0:39 Cercomacra cinerascens (13/1/2005, Carajás, Aguas Claras area, Pará, Brazil, 06.00S,50.30W) © Peter Boesman
1:01 Cercomacra cinerascens (March 2009, Junglaven, Amazonas, Venezuela) © Hans Matheue
0:18 Mymotherula menetriesii (March 2009, Junglaven, Amazonas, Venezuela) © Hans Matheue
0:13 Cercomacra cinerascens (25/3/1997 09:00h, Lower Rio Caura area, Bolivar, Venezuela, 07.15N,65.00W) © Peter Boesman
0:26 Cercomacra tyrannina (30/10/1993 , Lower Rio Caura area, Bolivar, Venezuela, 07.15N,65.00W) © Peter Boesman.
0:19 Cercomacra tyrannina (24/1/2006 , Junglaven area, Amazonas, Venezuela, 05.00N,66.23W) © Mark Van Beirs.
0:46 Cercomacra tyrannina tyrannina. Mitu, Vaupes, Colombia, 190m, 07:10h, 14-06-2011, N1.14'45" W70.13'44", song, natural vocalization © Andrew Spencer.
0:29 Cercomacra tyrannina (7/8/2003 07:00h, Rio Grande area, Bolivar, Venezuela, 08.03N,61.40W) © Peter Boesman.
1:43 Cercomacra tyrannina (20/7/2006 16:00h, Cucuy road north of Sao Gabriel da Cachoeira, Amazonas, Brazil, 00.01N,66.30W) © Peter Boesman.

1525 6 Dusky Antbird 6 Call 0:45 *Cercomacra tyrannina* (20/7/2006 16:00h, Cucuy road north of Sao Gabriel da Cachoeira, Amazonas, Brazil, 00.01N,66.30W) © Peter Boesman.

1525 7 Dusky Antbird 7 Call 0:14 *Cercomacra tyrannina* (23/7/2002 18:00h, Rio Grande area, Bolivar, Venezuela, 08.03N,61.40W) © Peter Boesman.

1525 8 Dusky Antbird 8 Call and song 0:37 *Cercomacra tyrannina* (16/4/1992, Lower Rio Caura area, Bolivar, Venezuela, 07.15N,65.00W) © Peter Boesman

1525 9 Dusky Antbird 9 Call and song 0:52 *Cercomacra tyrannina* (20/7/2006 16:00h, Cucuy road north of Sao Gabriel da Cachoeira, Amazonas, Brazil, 00.01N,66.30W) © Peter Boesman.

1527 1 Parker's Antbird 1 Song 0:41 *Cercomacra parkeri* (31st January 2011 10h00. RNA Reinita Cielo Azul, San Vicente de Chucuri, Santander, Colombia, 1900m, N.50°47' N, 73.22°30' W), © Peter Boesman.

1527 2 Parker's Antbird 2 Song 0:53 *Cercomacra parkeri* (1st January 2010 17h30. P.N. Tatamá, Montezuma trail, near Pueblo Rico, Risaralda, Colombia, 1600m, 5°14'3"N 76° 5'21"W). © Peter Boesman.

1527 3 Parker's Antbird 3 Agitated song 0:48 *Cercomacra parkeri* (31st January 2011 10h00. RNA Reinita Cielo Azul, San Vicente de Chucuri, Santander, Colombia, 1900m, N.50°47' N, 73.22°30' W), © Peter Boesman.

1527 4 Parker's Antbird 4 Song and call 0:28 *Cercomacra parkeri*. RNA Arriento Antioqueño, Anori, Antioquia, Colombia, 1700m, 15:00h, 17-06-2011, N6.59°10' W75.7°30', Song and call from a pair of birds © Andrew Spencer.

1527 5 Parker's Antbird 5 Call 2:09 *Cercomacra parkeri*. RNA Arriento Antioqueño, Anori, Antioquia, Colombia, 1700m, 11:00h, 17-06-2011, N6.59°10' W75.7°30', call, natural vocalization; calls from a pair of birds leading around an older fledgling. © Andrew Spencer.

1528 1 Blackish Antbird 1 Duet 1:22 *Cercomacra nigrescens* (12/11/2005, Carajás, Salobo area, Pará, Brazil, 05.55S,50.30W) © Peter Boesman

1528 2 Blackish Antbird 2 Duet 0:32 *Cercomacra nigrescens* (30/12/2007 16:15h, Abra Patricia road, San Martín, Peru, 05.50S,77.46W) © Peter Boesman

1528 3 Blackish Antbird 3 Song 0:11 *Cercomacra nigrescens* (28/12/2007 10:15h, Abra Patricia road, San Martín, Peru, 05.50S,77.46W) © Peter Boesman

1528 4 Blackish Antbird 4 Call 0:24 *Cercomacra nigrescens* (12/1/2005 12:30h, Carajás, Salobo area, Pará, Brazil, 05.55S,50.30W) © Peter Boesman

1528 5 Blackish Antbird 5 Call 0:32 *Cercomacra nigrescens* approximans. (10km southeast of Borba, AM, Brazil, 20m, 06:30h, 10-02-2006, S4.28°8' W59.33°17"). © Nick Athanas.

1528 6 Riparian Antbird 1 Duet 0:40 *Cercomacra nigrescens fuscicauda* (25/7/2009 13:00h, Manu lowlands, Madre de Dios, Peru, 12.20S,70.40W) © Peter Boesman

1528 7 Riparian Antbird 2 Duet 0:47 *Cercomacra nigrescens fuscicauda* (21/7/2009 15:00h, Manu Amazonia Lodge, Cuzco, Peru, 12.50S,71.15W) © Peter Boesman

1528 8 Riparian Antbird 3 Song 0:53 *Cercomacra nigrescens fuscicauda* (7th August 2010 7h00, Peruvian side of the Rio Javari, Reserva Natural Palmari, Amazonas, Brazil, 50m, 4°17'20" S, 70° 17'41" W). © Peter Boesman.

1528 9 Riparian Antbird 4 Call 0:22 *Cercomacra nigrescens fuscicauda* (7th August 2010 7h00, Peruvian side of the Rio Javari, Reserva Natural Palmari, Amazonas, Brazil, 50m, 4°17'20" S, 70° 17'41" W). © Peter Boesman.

1529 1 Black Antbird 1 Duet 0:43 *Cercomacra serva* (21/7/2009 07:30h, Manu Amazonia Lodge, Cuzco, Peru, 12.50S,71.15W) © Peter Boesman

1529 2 Black Antbird 2 Duet 0:38 *Cercomacra serva* (10th August 2010 8h00, Rio Javari, Reserva Natural Palmari, Amazonas, Brazil, 50m, 4°17'20" S, 70° 17'41" W). © Peter Boesman

1529 3 Black Antbird 3 Song 0:29 *Cercomacra serva* (15/2/2006 16:30h, Ministerio road, Napo, Ecuador, 01.00S,77.30W) © Peter Boesman

1529 4 Black Antbird 4 Call 1:00 *Cercomacra serva* (19/2/2006 14:00h, Archidona area, Napo, Ecuador, 00.55S,77.45W) © Peter Boesman

1529 5 Black Antbird 5 Call 0:21 *Cercomacra serva* (21/7/2009 07:30h, Manu Amazonia Lodge, Cuzco, Peru, 12.50S,71.15W) © Peter Boesman

1530 1 Jet Antbird 1 Song 0:59 *Cercomacra nigricans* (4/8/2003 07:00h, Boca de Macareo, Delta Amac, Venezuela, 09.04N,62.03W) © Peter Boesman

1530 2 Jet Antbird 2 Song 0:44 *Cercomacra nigricans* (16/7/1994 , Caño Colorado, Monagas, Venezuela, 09.55N,62.55W) © Peter Boesman.

1530 3 Jet Antbird 3 Excited song 0:44 *Cercomacra nigricans* (19/10/1994 07:15h, Boca de Macareo, Delta Amac, Venezuela, 09.04N,62.03W) © Peter Boesman.

1530 4 Jet Antbird 4 Song 0:14 *Cercomacra nigricans*. RNA El Paujil, Santander , Colombia, 220m, 16:50h, 29-11-2007, N6.2°59' W74.1541", Song from male, with female calling at the same time.. also: Great Crested Flycatcher © Nick Athanas.

1530 5 Jet Antbird 5 Song 0:22 *Cercomacra nigricans*. RNA El Paujil, Serrania de las Quinchas,Santander, Colombia, Colombia, 190m, 25-04-2007, N5.56°0' W74.11°0", song, response to playback of its own voice © Frank Lambert.

1530 6 Jet Antbird 6 Call 0:52 *Cercomacra nigricans* (5th January 2010 6h50. Mana Dulce, Tolima, Colombia, 4° 21' 04"N 74° 39' 06"W). © Peter Boesman.

1530 7 Jet Antbird 7 Call 0:28 *Cercomacra nigricans* (5/3/1994 , Caño Colorado, Monagas, Venezuela, 09.55N,62.55W) © Peter Boesman.

1530 8 Jet Antbird 8 Call 0:15 *Cercomacra nigricans* (19/10/1994 07:15h, Boca de Macareo, Delta Amac, Venezuela, 09.04N,62.03W) © Peter Boesman.

1535 1 White-backed Fire-eye 1 Song 0:34 *Pyriglena leuconota* (12/1/2005 12:30h, Carajás, Salobo area, Pará, Brazil, 05.55S,50.30W) © Peter Boesman.

1535 2 White-backed Fire-eye 2 Song 0:47 *Pyriglena leuconota* (14/2/2006 16:00h, Sumaco road, Napo, Ecuador, 00.45S,77.35W) © Peter Boesman

1539 1 White-browed Antbird 1 Song 0:48 *Myrmoborus leucophrys* (2/8/2000 10:00h, Campamento La Trampa, Tachira, Venezuela, 07.55N,71.43W) © Peter Boesman

1539 2 White-browed Antbird 2 Song 0:56 *Myrmoborus leucophrys* (10/1/2005 10:15h, Carajás, Rio Parauapebas trail, Pará, Brazil, 06.05S,50.00W) © Peter Boesman.

1539 3 White-browed Antbird 3 Song 0:29 *Myrmoborus leucophrys* (22/7/2005, Rio Cristalino Jungle Lodge, Mato Grosso, Brazil, 09.27S,55.54W) © Peter Boesman

1539 4 White-browed Antbird 4 Song 0:49 *Myrmoborus leucophrys* (24/3/1997 16:00h, Lower Rio Caura area, Bolivar, Venezuela, 07.15N,65.00W) © Peter Boesman.

1539 5 White-browed Antbird 5 Song 0:29 *Myrmoborus leucophrys* (21/10/1994 05:50h, Km 67 area, Bolivar, Venezuela, 06.18N,61.16W) © Peter Boesman.

1539 6 White-browed Antbird 6 Call 0:18 *Myrmoborus leucophrys* (23/7/2009 08:00h, Amazon Manu Lodge, Madre de Dios, Peru, 12.18S,70.48W) © Peter Boesman

1539 7 White-browed Antbird 7 Call 0:16 *Myrmoborus leucophrys* (26/7/2009 08:30h, Amazon Manu Lodge, Madre de Dios, Peru, 12.18S,70.48W) © Peter Boesman

1539 8 White-browed Antbird 8 Call 0:27 *Myrmoborus leucophrys* (2/8/2000 10:00h, Obra la Toma, Tachira, Venezuela, 07.56N,71.43W) © Peter Boesman.

1539 9 White-browed Antbird 9 Call 0:31 *Myrmoborus leucophrys* (26/12/1996 07:00h, Rio Negro/Rio Frio area, Tachira, Venezuela, 07.36N,72.12W) © Peter Boesman.

1540 1 Ash-breasted Antbird 1 Song 1:19 *Myrmoborus lugubris* (29th July 2010 8h30, Padre Island near Cumaceba lodge, Loreto, Peru, 3°38' S, 73°08' W). (Background: Buff-breasted Wren). © Peter Boesman.

1540 2 Ash-breasted Antbird 2 Song male and female 0:39 *Myrmoborus lugubris*.(26-01-2006 07:15h, Ilha Anavilhanas, west of Manaus, Brazil, 20m, S2.56°33' W60.29°0'). Male first (longer), followed by the female(shorter). © Nick Athanas.

1540 3 Ash-breasted Antbird 3 Song male and female 1:19 *Myrmoborus lugubris* (29th July 2010 8h30, Padre Island near Cumaceba lodge, Loreto, Peru, 3°38' S, 73°08' W). (Background: Buff-breasted Wren). Two birds. © Peter Boesman.

1540 4 Ash-breasted Antbird 4 Call 0:26 *Myrmoborus lugubris*. (26-01-2006 09:45h, Ilha Anavilhanas, west of Manaus, Brazil, 20m, S2.56°33' W60.29°0'). Background: Black-crested Antshrike, Blackish-gray Antshrike, Black-chinned Antbird). © Nick Athanas.

1541 1 Black-faced Antbird 1 Song 0:25 *Myrmoborus myotherinus* (25/12/1992, La Selva lodge, Napo, Ecuador, 00.30S,76.30W) © Peter Boesman

1541 2 Black-faced Antbird 2 Song 0:29 *Myrmoborus myotherinus* (23rd July 2010 6h00, ACTS Explornapo, Loreto, Peru, 120 m. 3°10' S, 72°55' W). © Peter Boesman.

1541 3 Black-faced Antbird 3 Song 1:01 *Myrmoborus myotherinus* (21st July 2010 14h00, Alpahuayo - Mishana Reserve, Loreto, Peru, 120m, S3.50°0' W73.15°0'). © Peter Boesman.

1541 4 Black-faced Antbird 4 Song 1:04 *Myrmoborus myotherinus* (22nd July 2010 9h00, Alpahuayo - Mishana Reserve, Loreto, Peru, 120m, S3.50°0' W73.15°0'). (Background: Dusky-capped Greenlet). © Peter Boesman.

1541 5 Black-faced Antbird 5 Song 0:23 *Myrmoborus myotherinus elegans*. Mitu, Vaupes, Colombia, 190m, 14:30h, 11-06-2011, N1.14°45' W70.13°44", song, natural vocalization © Andrew Spencer.

1541 6 Black-faced Antbird 6 Call 0:13 *Myrmoborus myotherinus* (19th July 2010 07h00, Alpahuayo - Mishana Reserve, Loreto, Peru, 120m, S3.50°0' W73.15°0'). (Background: Black-throated Hermit). © Peter Boesman.

1543 1 Black-chinned Antbird 1 Song 0:37 *Hypocnemoides melanopogon* (19/6/1994 , Caño Colorado, Monagas, Venezuela, 09.55N,62.55W) © Peter Boesman

1543 2 Black-chinned Antbird 2 Song 0:26 *Hypocnemoides melanopogon* (1/11/1993, Junglaven area, Amazonas, Venezuela, 05.00N,66.23W) © Peter Boesman

1543 3 Black-chinned Antbird 3 Call 0:15 *Hypocnemoides melanopogon* (6/11/1994 10:00h, Caño Colorado, Monagas, Venezuela, 09.55N,62.55W) © Peter Boesman

1543 4 Black-chinned Antbird 4 Call 0:21 *Hypocnemoides melanopogon* (March 2009, Junglaven area, Amazonas, Venezuela, 05.00N,66.23W) © Hans Matheve.

1545 1 Black-and-White Antbird 1 Song 0:54 *Myrmochanes hemileucus* (25th July 2010 17h45, Explornapo, Loreto, Peru, 120 m. 3°10' S, 72°55' W). © Peter Boesman.

1545 2 Black-and-white Antbird 2 Song 0:36 *Myrmochanes hemileucus* (26th July 2010 15h00, Explornapo, Loreto, Peru, 120 m. 3°10' S, 72°55' W). © Peter Boesman.

1545 3 Black-and-white Antbird 3 Short song 0:28 *Myrmochanes hemileucus* (25th July 2010 17h45, Explornapo, Loreto, Peru, 120 m. 3°10' S, 72°55' W). © Peter Boesman.

1545 4 Black-and-white Antbird 4 Call 0:12 *Myrmochanes hemileucus* (26th July 2010 15h00, Explornapo, Loreto, Peru, 120 m. 3°10' S, 72°55' W). © Peter Boesman.

1545 5 Black-and-white Antbird 5 Call 0:31 *Myrmochanes hemileucus* (26th July 2010 15h30, Explornapo, Loreto, Peru, 120 m. 3°10' S, 72°55' W). (Background: Lesser Hornero). © Peter Boesman.

1546 1 Bare-crowned Antbird 1 Song 1:21 *Gymnocichla nudiceps* (3rd February 2011 9h30. RNA El Paujil, Santander, Colombia, 310m, 6.2°59' N, 74.15°41' W). © Peter Boesman.

1546 2 Bare-crowned Antbird 2 Song 0:37 *Gymnocichla nudiceps* (15/4/1995 16:00h, Cana, Darien, Panama, 07.50N,77.40W) © Peter Boesman

1546 3 Bare-crowned Antbird 3 Song
1546 4 Bare-crowned Antbird 4 Call
1547 1 Silvered Antbird 1 Song
1547 2 Silvered Antbird 2 Song
1547 3 Silvered Antbird 3 Song
1547 4 Silvered Antbird 4 Call
1547 5 Silvered Antbird 5 Call
1548 1 Black-headed Antbird 1 Song
1548 2 Black-headed Antbird 2 Song
1548 3 Black-headed Antbird 3 Call
1548 4 Black-headed Antbird 4 Call
1551 1 Slate-colored Antbird 1 Song
1551 2 Slate-colored Antbird 2 Song
1551 3 Slate-colored Antbird 3 Song
1551 4 Slate-colored Antbird 4 Call
1551 5 Slate-colored Antbird 5 Call ()
1552 1 Spot-winged Antbird 1 Song
1552 2 Spot-winged Antbird 2 Song
1552 3 Spot-winged Antbird 3 Song
1552 4 Spot-winged Antbird 4 Call
1552 5 Spot-winged Antbird 5 Call
1552 6 Spot-winged Antbird 6 Call
1552 7 Spot-winged Antbird 7 Call
1552 8 Spot-winged Antbird 8 Call
1552 9 Spot-winged Antbird 9 Call
1558 1 White-bellied Antbird 1 Song
1558 2 White-bellied Antbird 2 Song
1558 3 White-bellied Antbird 3 Song
1558 4 White-bellied Antbird 4 Song
1558 5 White-bellied Antbird 5 Song
1558 6 White-bellied Antbird 6 Call
1558 7 White-bellied Antbird 7 Calls
1559 1 Chestnut-backed Antbird 1 song
1559 2 Chestnut-backed Antbird 2 song
1559 3 Chestnut-backed Antbird 3 song
1559 4 Chestnut-backed Antbird 4 Song
1559 5 Chestnut-backed Antbird 5 call
1559 6 Chestnut-backed Antbird 6 call
1564 1 Magdalena Antbird 1 Song
1564 2 Magdalena Antbird 2 Song male and female
1564 3 Magdalena Antbird 3 Song
1564 4 Magdalena Antbird 4 Song
1564 5 Magdalena Antbird 5 Call and song
1564 6 Magdalena Antbird 6 Call
1564 7 Magdalena Antbird 7 Call
1565 1 Esmeraldas Antbird 1 Song
1565 2 Esmeraldas Antbird 2 Song
1565 3 Esmeraldas Antbird 3 Call
1566 1 Stub-tailed Antbird 1 Song
1566 2 Stub-tailed Antbird 2 Song
1566 3 Stub-tailed Antbird 3 Call
1567 1 Gray-bellied Antbird 1 Song
1567 2 Gray-bellied Antbird 2 Call
1567 3 Gray-bellied Antbird 3 Call
1567 4 Gray-bellied Antbird 4 Call
1568 1 Chestnut-tailed Antbird 1 Song
1568 2 Chestnut-tailed Antbird 2 Song
1568 3 Chestnut-tailed Antbird 3 Duet
1568 4 Chestnut-tailed Antbird 4 Call
1568 5 Chestnut-tailed Antbird 5 Call
1570 1 Black-throated Antbird 1 Song
1570 2 Black-throated Antbird 2 Song and call
1570 3 Black-throated Antbird 3 Song

0:33 *Gymnocichla nudiceps sanctamartae*. RNA El Paujil, Santander, Colombia, 200m, 11:00h, 03-02-2007, N6.2'59" W74.15'41", song, Response to playback. © Nick Athanas.
0:09 *Gymnocichla nudiceps*. (Cana, Darien Province, Panama, 500m, 14:00h, 29-06-2009). © Ken Allaire
0:59 *Scalateria naevia* (21/7/2009 09:30h, Manu Amazonia Lodge, Cuzco, Peru, 12.50S,71.15W) © Peter Boesman
0:45 *Scalateria naevia* (31/7/2003 06:30h, Caño Ajjes - Isla Turuepano, Sucre, Venezuela, 10.30N,62.55W) © Peter Boesman
0:37 *Scalateria naevia* (27th July 2010 10h30, Explornapo, Loreto, Peru, 120 m. 3°10' S, 72°55' W). © Peter Boesman.
0:35 *Scalateria naevia* toddi. (Cristalino Jungle Lodge, MT, Brazil, 250m, 09:00h, 29-09-2009, S9.35'53" W55.55'55"). © Andrew Spencer.
0:14 *Scalateria naevia* toddi. (Cristalino Jungle Lodge, MT, Brazil, 250m, 09:00h, 29-09-2009, S9.35'53" W55.55'55"). © Andrew Spencer.
1:10 *Percnostola rufifrons* minor (22/7/2006 07:30h, Tabajos tracks, Sao Gabriel da Cachoeira, Amazonas, Brazil, 00.10S,67.00W) © Peter Boesman
0:33 *Percnostola rufifrons* minor. (Mitu, Vaupes, Colombia, 190m, 10:40h, 08-06-2011, N1.14'45" W70.13'44", song from a pair of birds; the focus bird in this cut is the male. © Andrew Spencer.
0:43 *Percnostola rufifrons* minor. (Mitu, Vaupes, Colombia, 190m, 10:40h, 08-06-2011, N1.14'45" W70.13'44"), Rattle call from one of a pair of birds in response to playback. Probably the male is giving these calls. © Andrew Spencer.
0:31 *Percnostola rufifrons* minor. (Mitu, Vaupes, Colombia, 190m, 10:40h, 08-06-2011, N1.14'45" W70.13'44"). Two call types from one of a pair in response to playback. © Andrew Spencer.
0:50 *Schistocichla schistacea*. (22-12-2007 10:05h, Reserva Natural Palmari, Rio Javari, AM, Brazil, 50m, S4.17'20" W70.17'41"). Male. A few call notes as well at 8.4s. Female singing in background. After playback. © Nick Athanas.
0:41 *Schistocichla schistacea*. (5th August 2010 5h30, Rio Javari, Reserva Natural Palmari, Amazonas, Brazil, 50m, 4°17'20" S, 70°17'41" W). © Peter Boesman.
0:35 *Schistocichla schistacea*. (25th July 2010 13h00, Explornapo, Loreto, Peru, 120 m. 3°10' S, 72°55' W). © Peter Boesman.
0:17 *Schistocichla schistacea*. (Reserva Natural Palmari, Rio Javari, AM, Brazil, 50m, 09:55h, 22-12-2007, S4.17'20" W70.17'41"). Male. After playback. © Nick Athanas.
0:13 *Schistocichla schistacea*. (Reserva Natural Palmari, Rio Javari, AM, Brazil, 50m, 10:02h, 22-12-2007, S4.17'20" W70.17'41"). Male. Soft 'tek' notes, followed by some sharper calls as it takes flight. After playback. © Nick Athanas.
0:34 *Schistocichla leucostigma* (25/12/1992, La Selva lodge, Napo, Ecuador, 00.30S,76.30W) © Peter Boesman
0:23 *Schistocichla leucostigma* (17/2/2006 07:15h, Garenno Lodge, Napo, Ecuador, 01.05S,77.35W) © Peter Boesman
0:18 *Schistocichla leucostigma* (23rd July 2010 6h45, ACTS Explornapo, Loreto, Peru, 120 m. 3°10' S, 72°55' W). © Peter Boesman.
0:30 *Percnostola leucostigma* (21/7/2006 07:00h, Moises trail, Sao Gabriel da Cachoeira, Amazonas, Brazil, 00.30S,66.30W) © Peter Boesman.
0:38 *Schistocichla leucostigma* (23rd July 2010 6h30, ACTS Explornapo, Loreto, Peru, 120 m. 3°10' S, 72°55' W). © Peter Boesman.
0:15 *Percnostola leucostigma* (1/11/1993, Junglaven area, Amazonas, Venezuela, 05.00N,66.23W) © Peter Boesman.
0:44 *Schistocichla leucostigma infuscata*. Mitu, Vaupes, Colombia, 190m, 15:30h, 09-06-2011, N1.14'45" W70.13'44". Calls from a female bird. © Andrew Spencer.
0:32 *Schistocichla leucostigma* (23rd July 2010 6h30, ACTS Explornapo, Loreto, Peru, 120 m. 3°10' S, 72°55' W). © Peter Boesman.
0:14 *Schistocichla leucostigma* (March 2009, Guiana trail km 75, Bolivar, Venezuela) © Hans Matheve.
2:09 *Myrmeciza longipes* (5th January 2010 8h20. Mana Dulca, Tolima, Colombia, 4° 21' 04"N 74° 39' 06"W). (Background: Rufous-browed Peppershrike). © Peter Boesman.
0:47 *Myrmeciza longipes* (10/2/1997 07:00h, Morrocoy NP, Falcon, Venezuela, 10.51N,68.18W) © Peter Boesman.
1:17 *Myrmeciza longipes* (28/3/1997 07:30h, Cavilan road, Amazonas, Venezuela, 05.36N,67.12W) © Peter Boesman.
0:14 *Myrmeciza longipes* (6/8/2000 07:00h, Quibor - Sanare road, Lara, Venezuela, 09.48N,69.36W) © Peter Boesman.
1:45 *Myrmeciza longipes* (March 2009, Junglaven, Amazonas, Venezuela) © Hans Matheve.
0:28 *Myrmeciza longipes* (30/10/1993, Lower Rio Caura area, Bolivar, Venezuela, 07.15N,65.00W) © Peter Boesman.
0:13 *Myrmeciza longipes* (24/7/2002 10:00h, El Miamo road, Bolivar, Venezuela, 07.30N,61.25W) © Peter Boesman.
0:40 *Myrmeciza exsul*. (20th March 2010 07h15, Esquinas lodge, 100m elev., Piedras Blancas NP, Puntarenas, Costa Rica). (Background: Short-billed Pigeon, Ochre-bellied Flycatcher). © Peter Boesman.
1:25 *Myrmeciza exsul*. (14th March 2010 08h50, La Selva biological station, Heredia, Costa Rica). © Peter Boesman.
1:12 *Myrmeciza exsul*. (20th March 2010 07h10, Esquinas lodge, 100m elev., Piedras Blancas NP, Puntarenas, Costa Rica). (Background: Chestnut-mandibled Toucan). © Peter Boesman.
0:36 *Myrmeciza exsul* (25/2/2006 11:00h, Silanche reserve, Pichincha, Ecuador, 00.10N,79.15W) © Peter Boesman.
0:16 *Myrmeciza exsul*. (20th March 2010 09h10, Esquinas lodge, 100m elev., Piedras Blancas NP, Puntarenas, Costa Rica). © Peter Boesman.
0:04 *Myrmeciza exsul*. (20th March 2010 07h15, Esquinas lodge, 100m elev., Piedras Blancas NP, Puntarenas, Costa Rica). © Peter Boesman.
0:56 *Myrmeciza palliata* (4th February 2011 7h00. Rio Claro, Doradal, Antioquia, Colombia, 1500m, 5.54°0' N, 74.50'54" W). © Peter Boesman.
1:08 *Myrmeciza palliata* (4th February 2011 7h00. Rio Claro, Doradal, Antioquia, Colombia, 1500m, 5.54°0' N, 74.50'54" W). © Peter Boesman.
0:41 *Myrmeciza palliata*. Bellavista Reserve, Victoria, Caldas, Colombia, 950m, 10:00h, 30-06-2011, N5.25'51" W74.54'57", song, natural vocalization; song from a male bird, with two-three others singing nearby. © Andrew Spencer.
0:19 *Myrmeciza palliata palliata*. RNA El Paujil, Serrania de las Quinchas, Santander, Colombia, Colombia, 320m, 07:11h, 02-02-2007, N5.56°0' W74.11'0", song, Response to playback. © Nick Athanas.
0:56 *Myrmeciza palliata* (4th February 2011 7h00. Rio Claro, Doradal, Antioquia, Colombia, 1500m, 5.54°0' N, 74.50'54" W). © Peter Boesman.
0:05 *Myrmeciza palliata* (4th February 2011 7h00. Rio Claro, Doradal, Antioquia, Colombia, 1500m, 5.54°0' N, 74.50'54" W). © Peter Boesman.
0:17 *Myrmeciza palliata palliata*. RNA El Paujil, Serrania de las Quinchas, Santander, Colombia, Colombia, 320m, 07:05h, 02-02-2007, N5.56°0' W74.11'0", call, also: Bright-rumped Attila © Nick Athanas.
0:51 *Myrmeciza nigricauda* (15/12/1992 16:00h, El Placer, Esmeraldas, Ecuador, 00.50N,78.30W) © Peter Boesman.
0:31 *Myrmeciza nigricauda* (16/12/1992 10:00h, El Placer, Esmeraldas, Ecuador, 00.50N,78.30W) © Peter Boesman.
0:09 *Myrmeciza nigricauda* (25/2/2006 11:00h, Silanche reserve, Pichincha, Ecuador, 00.10N,79.15W) © Peter Boesman.
1:29 *Myrmeciza berlepschi*. Playa de Oro, Esmeraldas, Ecuador, 200m, 08:20h, 13-07-2010, N0.51'0" W78.46'0", song © Andrew Spencer.
0:34 *Myrmeciza berlepschi*. Rio Silanche, Pedro Vicente Maldonado, Pichincha, Ecuador, 350m, 07:30h, 13-09-2001, N0.8'35" W79.8'0", song © Nick Athanas.
0:39 *Myrmeciza berlepschi*. La Union Road, 6.5 km NW of Alto Tambo, Esmeraldas, Ecuador, 650m, 09:30h, 31-07-2011, N0.58'20" W78.33'19", Calls from a pair of birds in response to playback. © Andrew Spencer.
1:02 *Myrmeciza petzelni*. (Mitu, Vaupes, Colombia, 190m, 07:30h, 09-06-2011, N1.14'45" W70.13'44"), Song from a male with a female nearby. Singing while perched on a stick a few inches off the ground, in white sand forest. © Andrew Spencer.
0:17 *Myrmeciza petzelni* (23/7/2006 08:30h, Moises trail, Sao Gabriel da Cachoeira, Amazonas, Brazil, 00.30S,66.30W) © Peter Boesman.
0:56 *Myrmeciza petzelni* (23/7/2006 15:00h, Moises trail, Sao Gabriel da Cachoeira, Amazonas, Brazil, 00.30S,66.30W) © Peter Boesman.
1:27 *Myrmeciza petzelni*. (Mitu, Vaupes, Colombia, 190m, 07:30h, 09-06-2011, N1.14'45" W70.13'44"), Calls from a pair of birds walking on the ground, the louder calls are from the male. © Andrew Spencer.
1:07 *Myrmeciza hemimelaena* (21/7/2009 07:00h, Manu Amazonia Lodge, Cuzco, Peru, 12.50S,71.15W) © Peter Boesman
0:44 *Myrmeciza hemimelaena* (5th August 2010 5h30, Rio Javari, Reserva Natural Palmari, Amazonas, Brazil, 50m, 4°17'20" S, 70°17'41" W). © Peter Boesman.
0:46 *Myrmeciza hemimelaena* (29/6/1995 09:00h, Manu Amazonia Lodge, Cuzco, Peru, 12.00S,71.00W) © Peter Boesman
0:45 *Myrmeciza hemimelaena* (23/7/2009 08:00h, Amazon Manu Lodge, Madre de Dios, Peru, 12.18S,70.48W) © Peter Boesman
0:22 *Myrmeciza hemimelaena* (23/7/2009 08:30h, Amazon Manu Lodge, Madre de Dios, Peru, 12.18S,70.48W) © Peter Boesman
0:37 *Myrmeciza atrox* (26/3/1997 17:00h, Lower Rio Caura area, Bolivar, Venezuela, 07.15N,65.00W) © Peter Boesman.
0:19 *Myrmeciza atrox* (31/7/2002 09:30h, El Pauji road, Bolivar, Venezuela, 04.36N,61.30W) © Peter Boesman.
0:46 *Myrmeciza atrox atrox*. Mitu, Vaupes, Colombia, 190m, 06:30h, 08-06-2011, N1.14'45" W70.13'44", song, natural vocalization © Andrew Spencer.

1570 4 Black-throated Antbird 4 Song 0:35 Myrmeciza atrothorax metae. Finca La Pradera, Parroquia Remolinos, Municipio Puerto Lopez, Meta, Colombia, 400m, 21-04-2000, Song © Bernabe Lopez-Lanus.

1570 5 Black-throated Antbird 5 Call 0:10 Myrmeciza atrothorax (1/11/1993 , Junglaven area, Amazonas, Venezuela, 05.00N,66.23W) © Peter Boesman.

1570 6 Black-throated Antbird 6 Call 0:08 Myrmeciza atrothorax (25/7/2002 08:30h, km 88 area, Bolivar, Venezuela, 06.12N,61.24W) © Peter Boesman.

1570 7 Black-throated Antbird 7 Call 0:18 Myrmeciza atrothorax (23/7/2006 15:00h, Moises trail, Sao Gabriel da Cachoeira, Amazonas, Brazil, 00.30S,66.30W) © Peter Boesman.

1570 8 Black-throated Antbird 8 Call 0:18 Myrmeciza atrothorax (20/7/2006 16:00h, Cucuy road north of Sao Gabriel da Cachoeira, Amazonas, Brazil, 00.01N,66.30W) © Peter Boesman.

1570 9 Black-throated Antbird 9 Scolding call 0:20 Myrmeciza atrothorax (22/7/2006 06:30h, Tabajos tracks, Sao Gabriel da Cachoeira, Amazonas, Brazil, 00.10S,67.00W) © Peter Boesman.

1571 1 White-shouldered Antbird 1 Song 0:19 Myrmeciza melanoceps (25/12/1992 , La Selva lodge, Napo, Ecuador, 00.30S,76.30W) © Peter Boesman

1571 2 White-shouldered Antbird 2 Song 0:50 Myrmeciza melanoceps (27th July 2010 10h30, Explornapo, Loreto, Peru, 120 m. 3°10' S, 72°55' W). © Peter Boesman.

1571 3 White-shouldered Antbird 3 Call 0:20 Myrmeciza melanoceps (25/12/1992 , La Selva lodge, Napo, Ecuador, 00.30S,76.30W) © Peter Boesman

1571 4 White-shouldered Antbird 4 Call 0:10 Myrmeciza melanoceps (3rd August 2010 10h30, Muyuna lodge, Loreto, Peru, 4°18' S, 73°17' W). © Peter Boesman.

1573 1 Plumbeous Antbird 1 Song 1:02 Myrmeciza hyperythra (23/12/1992 08:30h, La Selva lodge, Napo, Ecuador, 00.30S,76.30W) © Peter Boesman

1573 2 Plumbeous Antbird 2 Song 0:35 Myrmeciza hyperythra (25/7/2009 06:30h, Cocha Camungo, Madre de Dios, Peru, 12.25S,70.40W) © Peter Boesman

1573 3 Plumbeous Antbird 3 Song 0:34 Myrmeciza hyperythra (27th July 2010 10h30, Explornapo, Loreto, Peru, 120 m. 3°10' S, 72°55' W). © Peter Boesman.

1573 4 Plumbeous Antbird 4 Call 0:28 Myrmeciza hyperythra. (Collpa Chuncho, Tampopata, Madre de Dios, Peru, 200m, 10:40h, 09-04-2011). Calls from a male bird. © Andrew Spencer.

1574 1 Sooty Antbird 1 Song 1:09 Myrmeciza fortis (23rd July 2010 7h00, ACTS Explornapo, Loreto, Peru, 120 m. 3°10' S, 72°55' W). © Peter Boesman.

1574 2 Sooty Antbird 2 Song 0:21 Myrmeciza fortis (5th August 2010 9h00, Rio Javari, Reserva Natural Palmari, Amazonas, Brazil, 50m, 4°17'20" S, 70°17'41" W). © Peter Boesman.

1574 3 Sooty Antbird 3 Call 0:17 Myrmeciza fortis (5th August 2010 9h00, Rio Javari, Reserva Natural Palmari, Amazonas, Brazil, 50m, 4°17'20" S, 70°17'41" W). © Peter Boesman.

1574 4 Sooty Antbird 4 Call 0:38 Myrmeciza fortis (11th August 2010 9h30, Rio Javari, Reserva Natural Palmari, Amazonas, Brazil, 50m, 4°17'20" S, 70°17'41" W). © Peter Boesman.

1574 5 Sooty Antbird 5 Call 0:15 Myrmeciza fortis (23rd July 2010 6h45, ACTS Explornapo, Loreto, Peru, 120 m. 3°10' S, 72°55' W). © Peter Boesman.

1574 6 Sooty Antbird 6 Call and song 0:30 Myrmeciza fortis (23rd July 2010 6h45, ACTS Explornapo, Loreto, Peru, 120 m. 3°10' S, 72°55' W). © Peter Boesman.

1575 11 Immaculate Antbird 11 Song W 0:24 Myrmeciza immaculata (15/12/1992 06:00h, El Placer, Esmeraldas, Ecuador, 00.50N,78.30W) © Peter Boesman

1575 12 Immaculate Antbird 12 song W 0:20 Myrmeciza immaculata (15/4/1995 10:00h, Cana, Darien, Panama, 07.50N,77.40W) © Peter Boesman

1575 13 Immaculate Antbird 13 call W 0:22 Myrmeciza immaculata (15/4/1995 07:00h, Cana, Darien, Panama, 07.50N,77.40W) © Peter Boesman

1575 14 Immaculate Antbird 14 call W 0:20 Myrmeciza immaculata (23/12/1992 17:30h, El Plastico, Heredia, Costa Rica, 10.20N,84.00W) © Gunter De Smet

1575 21 Immaculate Antbird 21 Song E 0:23 Myrmeciza immaculata (2/8/2000 10:00h, Obra la Toma, Tachira, Venezuela, 07.56N,71.43W) © Peter Boesman

1575 22 Immaculate Antbird 22 Song E 0:33 Myrmeciza immaculata (27/7/2000 08:00h, Finca Colomverde at Olinda II, Merida, Venezuela, 08.45N,71.28W) © Peter Boesman.

1575 23 Immaculate Antbird 23 Call E 0:10 Myrmeciza immaculata (2/8/2000 10:00h, Campamento La Trampa, Tachira, Venezuela, 07.55N,71.43W) © Peter Boesman.

1575 24 Immaculate Antbird 24 Call E 0:24 Myrmeciza immaculata (2/8/2000 10:00h, Obra la Toma, Tachira, Venezuela, 07.56N,71.43W) © Peter Boesman.

1575 25 Immaculate Antbird 25 Soft call E 0:20 Myrmeciza immaculata (2/8/2000 11:00h, Obra la Toma, Tachira, Venezuela, 07.56N,71.43W) © Peter Boesman.

1576 1 Yapacana Antbird 1 Song 1:31 Myrmeciza disjuncta (PN Virua, Roraima, Brazil, 50m, 08:12h, 07-10-2010, N1.29'23" W61.1'22"), (Background: Barred Antshrike). © Bradley Davis.

1578 1 Wing-banded Antbird 1 Song 0:45 Myrmomnis torquata (21/10/1994 06:00h, Km 85 area, Bolivar, Venezuela, 06.12N,61.23W) © Peter Boesman

1578 2 Wing-banded Antbird 2 Song 0:50 Myrmomnis torquata (13/2/1994 , Rio Grande area, Bolivar, Venezuela, 08.03N,61.40W) © Peter Boesman

1578 3 Wing-banded Antbird 3 Song 0:38 Myrmomnis torquata (March 2009, Rio Grande area, Bolivar, Venezuela, 08.03N,61.40W) © Hans Matheve.

1578 4 Wing-banded Antbird 4 Call () 0:10 Myrmomnis torquata (15/4/1995 09:00h, Darien Cana, , Panama, 07.50N,77.40W) © Peter Boesman

1579 1 White-plumed Antbird 1 Song and call 1:54 Pithys albifrons (26th July 2010 8h00, Explornapo, Loreto, Peru, 120 m. 3°10' S, 72°55' W). © Peter Boesman.

1579 2 White-plumed Antbird 2 Song 0:20 Pithys albifrons albifrons. (Mana, piste ONF Dardanelles, French Guiana, 35m, N5.38'59" W53.48'52"). © Alexandre Renaudier.

1579 3 White-plumed Antbird 3 Call 0:09 Pithys albifrons (30/10/1993 , Lower Rio Caura area, Bolivar, Venezuela, 07.15N,65.00W) © Peter Boesman

1579 4 White-plumed Antbird 4 Call 0:23 Pithys albifrons (30/10/1993 , Lower Rio Caura area, Bolivar, Venezuela, 07.15N,65.00W) © Peter Boesman

1581 1 Bicolored Antbird 1 Song E 0:32 Gymnopithys leucaspis (19th July 2010 08h20, Allpahuayo - Mishana Reserve, Loreto, Peru, 120m, S3.50°0' W73.15°0'). (Background: Screaming Piha). © Peter Boesman.

1581 2 Bicolored Antbird 2 Song E 0:29 Gymnopithys leucaspis leucaspis. Mitu, Vaupes, Colombia, 190m, 09:00h, 14-06-2011, N1.14'45" W70.13'44", Song from one of two-three birds away from an antswarm © Andrew Spencer.

1581 3 Bicolored Antbird 3 song W 0:31 Gymnopithys leucaspis. (22nd March 2010 10h00, Esquinas lodge, 100m elev., Piedras Blancas NP, Puntarenas, Costa Rica). © Peter Boesman.

1581 3 Bicolored Antbird 5 Call 0:13 Gymnopithys leucaspis (19th July 2010 08h20, Allpahuayo - Mishana Reserve, Loreto, Peru, 120m, S3.50°0' W73.15°0'). © Peter Boesman.

1581 4 Bicolored Antbird 4 scolding and song W 0:47 Gymnopithys leucaspis. (22nd March 2010 10h00, Esquinas lodge, 100m elev., Piedras Blancas NP, Puntarenas, Costa Rica). © Peter Boesman.

1581 6 Bicolored Antbird 6 call and song 0:16 Gymnopithys leucaspis (13/11/1993 16:50h, Corcovado NP, Puntarenas, Costa Rica, 08.40N,83.40W) © Gunter De Smet

1581 7 Bicolored Antbird 7 call 0:33 Rheimatorhina cristata (Mitu, Vaupes, Colombia, 190m, 14:50h, 12-06-2011, N1.14'45" W70.13'44"). In response to playback: song from a pair of birds away from an antswarm. © Andrew Spencer.

1588 2 Chestnut-crested Antbird 2 Song and call 0:24 Rheimatorhina cristata (Mitu, Vaupes, Colombia, 190m, 14:50h, 12-06-2011, N1.14'45" W70.13'44"). Song and two call types (short chatter call in flight and weird liquid call while perched) from a pair of birds away from an antswarm. © Andrew Spencer.

1588 3 Chestnut-crested Antbird 3 Song and call 0:32 Rheimatorhina cristata (Mitu, Vaupes, Colombia, 190m, 14:50h, 12-06-2011, N1.14'45" W70.13'44"). Song, chirr call, and chatter call in flight, from a pair of birds away from an antswarm. © Andrew Spencer.

1589 1 Hairy-crested Antbird 1 Call and song 0:31 Rheimatorhina melanosicta (26/7/2009 07:30h, Amazon Manu Lodge, Madre de Dios, Peru, 12.18S,70.48W) © Peter Boesman.

1589 2 Hairy-crested Antbird 2 Song 0:10 Rheimatorhina melanosicta (26/7/2009 07:30h, Amazon Manu Lodge, Madre de Dios, Peru, 12.18S,70.48W) © Peter Boesman.

1589 3 Hairy-crested Antbird 3 Call 0:21 Rheimatorhina melanosicta (26/7/2009 07:30h, Amazon Manu Lodge, Madre de Dios, Peru, 12.18S,70.48W) © Peter Boesman.

1590 1 Spotted Antbird 1 song 1:20 Hylophylax naevioides. (24th March 2010 16h00, Las Heliconias Lodge, 800m elev., Alajuela, Costa Rica). © Peter Boesman.

1590 2 Spotted Antbird 2 song 1:37 Hylophylax naevioides. (24th March 2010 16h00, Las Heliconias Lodge, 800m elev., Alajuela, Costa Rica). © Peter Boesman.

1590 3 Spotted Antbird 3 Song 0:21 Hylophylax naevioides (15/4/1995 09:00h, Darien Cana, , Panama, 07.50N,77.40W) © Peter Boesman.

1590 4 Spotted Antbird 4 Call 0:04 Hylophylax naevioides (5/4/1997 , Pipeline road, Panamá, Panama,) © Dodge Engleman

1591 1 Spot-backed Antbird 1 Song 0:53 Hylophylax naevia (3/8/2002 06:30h, Km 67 area, Bolivar, Venezuela, 06.18N,61.16W) © Peter Boesman.

1591 2 Spot-backed Antbird 2 Song 0:47 Hylophylax naevia (4/7/1994 09:00h, km 88 area, Bolivar, Venezuela, 06.12N,61.24W) © Peter Boesman.

1591 3 Spot-backed Antbird 3 Song 0:54 Hylophylax naevia (20/7/2006 10:00h, Tabajos tracks, Sao Gabriel da Cachoeira, Amazonas, Brazil, 00.10S,67.00W) © Peter Boesman.

1591 4 Spot-backed Antbird 4 Song 1:09 Hylophylax naevius naevius. Mitu, Vaupes, Colombia, 190m, 11:00h, 11-06-2011, N1.14'45" W70.13'44", song, response to playback © Andrew Spencer.

1591 5 Spot-backed Antbird 5 Call 0:16 Hylophylax naevia (3/8/2002 06:30h, Km 67 area, Bolivar, Venezuela, 06.18N,61.16W) © Peter Boesman.

1591 6 Spot-backed Antbird 6 Call 0:45 Hylophylax naevius. (13-05-2008 14:31h, Tierra Blanca, Loreto , Peru, 150m, S4.16'56" W77.14'26"). After playback. © Nick Athanas.

1591 7 Spot-backed Antbird 7 Call 0:16 Hylophylax naevius naevius. Mitu, Vaupes, Colombia, 190m, 10:40h, 12-06-2011, N1.14'45" W70.13'44", Calls from a male bird that appeared to be associating with a swarm of small ants (not army ants), © Andrew Spencer.

1592 1 Dot-backed Antbird 1 Song 0:44 Hylophylax punctulatus. Mitu, Vaupes, Colombia, 190m, 11:30h, 12-06-2011, N1.14'45" W70.13'44", song, in response to playback; from a bird in taller terra firme forest very near extensive white sand forest. © Andrew Spencer.

1592 2 Dot-backed Antbird 2 Song 0:30 Hylophylax punctulata (23/12/1992 08:15h, La Selva lodge, Napo, Ecuador, 00.30S,76.30W) © Peter Boesman

1592 3 Dot-backed Antbird 3 Song 1:35 Hylophylax punctulata (20/1/2005 09:00h, Carajás, Aguas Claras area, Pará, Brazil, 06.00S,50.30W) © Peter Boesman

1592 4 Dot-backed Antbird 4 Call 0:13 Hylophylax punctulatus. (Cristalino Jungle Lodge, MT, Brazil, 250m, 07:20h, 22-09-2009, S9.35'53" W55.55'55"). Three different call types in this cut. © Andrew Spencer.

1593 1 Scale-backed Antbird 1 Song 0:22 Hylophylax poeiliinota (30/10/1993 , Lower Rio Caura area, Bolivar, Venezuela, 07.15N,65.00W) © Peter Boesman.

1593 2 Scale-backed Antbird 2 Song 1:18 Willisornis poeiliinota (1/1/2008 07:45h, Morro de Calzada, San Martín, Peru, 06.00S,77.05W) © Peter Boesman

1593 3 Scale-backed Antbird 3 Song 0:59 Willisornis poeiliinota (21/7/2009 07:00h, Manu Amazonia Lodge, Cuzco, Peru, 12.50S,71.15W) © Peter Boesman

1593 4 Scale-backed Antbird 4 Call and song 1:24 Willisornis poeiliinota (22/7/2006 08:00h, Tabajos tracks, Sao Gabriel da Cachoeira, Amazonas, Brazil, 00.10S,67.00W) © Peter Boesman

1593 5 Scale-backed Antbird 5 Call 0:48 Willisornis poeiliinotu. (14-05-2008 11:25h, Tierra Blanca, Loreto , Peru, 150m, S4.16'56" W77.14'26"). Male. (Background: Screaming Pihá). © Nick Athanas.

1593 6 Scale-backed Antbird 6 Call 0:32 Willisornis poeiliinotus nigrigula. (Cristalino Jungle Lodge, MT, Brazil, 250m, 17:10h, 14-09-2009, S9.35'53" W55.55'55"). © Andrew Spencer.

1594 1 Black-spotted Bare-eye 1 Song 0:08 Phlegopsis nigromaculata (22/7/2009 08:00h, Manu Amazonia Lodge, Cuzco, Peru, 12.50S,71.15W) © Peter Boesman

1594 2 Black-spotted Bare-eye 2 Song and call 0:33 Phlegopsis nigromaculata (23rd July 2010 6h45, ACTS Explomapo, Loreto, Peru, 120 m. 3°10' S, 72°55' W). (Background: Spot-winged Antbird). © Peter Boesman.

1594 3 Black-spotted Bare-eye 3 Song and call 0:26 Phlegopsis nigromaculata (25/7/2009 10:00h, Cocha Camungo, Madre de Dios, Peru, 12.25S,70.40W) © Peter Boesman

1594 4 Black-spotted Bare-eye 4 Call and song 0:59 Phlegopsis nigromaculata (24/7/2005 16:15h, Rio Cristalino Jungle Lodge, Mato Grosso, Brazil, 09.27S,55.54W) © Peter Boesman

1594 5 Black-spotted Bare-eye 5 Call and song 1:30 Phlegopsis nigromaculata (26/7/2005, Rio Cristalino Jungle Lodge, Mato Grosso, Brazil, 09.27S,55.54W) © Peter Boesman

1594 6 Black-spotted Bare-eye 6 Call 0:13 Phlegopsis nigromaculata (25/7/2009 10:00h, Cocha Camungo, Madre de Dios, Peru, 12.25S,70.40W) © Peter Boesman

1594 7 Black-spotted Bare-eye 7 Call 0:57 Phlegopsis nigromaculata (7th August 2010 7h00, Peruvian side of the Rio Javari, Reserva Natural Palmari, Amazonas, Brazil, 50m, 4°17'20" S, 70°17'41" W). © Peter Boesman.

1595 1 Reddish-winged Bare-eye 1 Song 0:17 Phlegopsis erythroptera (18/2/2006 13:00h, Gareno Lodge, Napo, Ecuador, 01.05S,77.35W) © Peter Boesman

1595 2 Reddish-winged Bare-eye 2 Call 0:16 Phlegopsis erythroptera (21/7/2006 08:00h, Moises trail, Sao Gabriel da Cachoeira, Amazonas, Brazil, 00.30S,66.30W) © Peter Boesman

1597 1 Ocellated Antbird 1 song 0:19 Phaenostictus mcleannani. (La Flor, Nicaragua). © Tom Will.

1597 2 Ocellated Antbird 2 call 0:21 Phaenostictus mcleannani. (Ibe Igar Trail, Nusagandi, Panama Province, Panama, 400m, 09:00h, 18-03-2009). Calls from up to 8 birds at a large antswarm. © Andrew Spencer.

1603 1 Chestnut-belted Gnatcatcher 1 Song 0:07 Conopophaga aurita. (20-01-2006 08:45h, Serra de Carajás, PA, Brazil, 380m, S6.9'37" W50.20'45"). Phrase was repeated once every c.5 min, the one in this cut is shorter than average. © Nick Athanas.

1603 2 Chestnut-belted Gnatcatcher 2 Song and call 0:27 Conopophaga aurita snethlageae. (Cristalino Jungle Lodge, MT, Brazil, 250m, 06:30h, 21-08-2009, S9.35'53" W55.55'55"). © Andrew Spencer.

1603 3 Chestnut-belted Gnatcatcher 3 Call 0:19 Conopophaga aurita (11/1/2005, Carajás, Aguas Claras area, Pará, Brazil, 06.00S,50.30W) © Peter Boesman

1607 1 Chestnut-crowned Gnatcatcher 1 Song 1:05 Conopophaga castaneiceps chapmani. Condor Mirador, Zamora-Chinchipe, Ecuador, 1400m, 08:00h, 16-08-2011, S3.38'28" W78.23'58", song, natural vocalization; from an unseen bird singing low in dense understory brush. © Andrew Spencer.

1607 2 Chestnut-crowned Gnatcatcher 2 Call 0:21 Conopophaga castaneiceps castaneiceps. Wildsumaco, 5km NW Guagua Sumaco, Napo, Ecuador, 1300m, 09:30h, 26-01-2011, S0.41'14" W77.35'57". Calls from a male bird at fairly close range. © Andrew Spencer.

1607 3 Chestnut-crowned Gnatcatcher 3 Call 0:34 Conopophaga castaneiceps chapmani. Tepui Trail, Cabañas Yankuam, Zamora-Chinchipe, Ecuador, 1630m, 14:50h, 12-08-2011, S4.15'47" W78.41'30", Calls from a male bird. © Andrew Spencer.

1610 1 Black-crowned Antpitta 1 song 0:37 Pittasoma michleri (12/11/1995 , Cerro Azul, Panamá, Panama,) © Dodge Engleman

1610 2 Black-crowned Antpitta 2 song 1:39 Pittasoma michleri. (Omar Torrijos N.P., El Cope, Cocolé, Panama, 700m, 8:15h, 12-09-2010, N8.26'17" W80.40'54"). © Ken Allaire.

1610 3 Black-crowned Antpitta 3 call 1:00 Pittasoma michleri. (Omar Torrijos N.P., El Cope, Cocolé, Panama, 700m, 8:00h, 12-09-2010, N8.26'17" W80.40'54"). This very territorial bird scolded me from a close perch for several minutes. © Ken Allaire.

1610 4 Black-crowned Antpitta 4 call 0:05 Pittasoma michleri (12/11/1995 , Cerro Azul, Panamá, Panama,) © Dodge Engleman

1612 1 Undulated Antpitta 1 Song 0:31 Grallaria squamigera (26/12/1993 , Podocarpus Cajanuma, Loja, Ecuador, 04.20S,79.10W) © Peter Boesman

1612 2 Undulated Antpitta 2 Song 0:46 Grallaria squamigera (31/7/2000 06:00h, El Morro - Aricagua road, Merida, Venezuela, 08.17N,71.09W) © Peter Boesman.

1612 3 Undulated Antpitta 3 Song 0:35 Grallaria squamigera. Finca Yerbabuena (sobre Toche), canon del río Toche, Tolima, Colombia, 2400m, 16:28h, 22-06-1998, Song, Second individual at the same site. Also: alarm call from Myiornis senilis © Bernabe Lopez-Lanus.

1613 1 Giant Antpitta 1 Song 0:07 Grallaria gigantea hylodroma. Reserva Las Grallarias, Mindo, Pichincha, Ecuador, 1750m, 06:30h, 04-02-2001, S0.0'36" W78.45'0", song © Nick Athanas.

1616 1 Moustached Antpitta 1 Song 0:43 Grallaria alleni (11th February 2011 10h00. ▯ Santuario Otun-Quimbaya, Pereira, Tolima, Colombia). © Peter Boesman.

1616 2 Moustached Antpitta 2 Song 0:53 Grallaria alleni (26/2/2006 06:30h, Mindo Loma, Pichincha, Ecuador, 00.00S,78.40W) © Peter Boesman.

1617 1 Scaled Antpitta 1 Song 1:48 Grallaria guatemalensis (3/8/2000 06:30h, Obra la Toma, Tachira, Venezuela, 07.56N,71.43W) © Peter Boesman

1617 2 Scaled Antpitta 2 Song 0:49 Grallaria guatemalensis (2/8/2000 06:00h, Campamento La Trampa, Tachira, Venezuela, 07.55N,71.43W) © Peter Boesman

1617 3 Scaled Antpitta 3 Song 0:20 Grallaria guatemalensis (1/8/2000 06:30h, Presa Las Cuevas road, Tachira, Venezuela, 07.56N,71.47W) © Peter Boesman.

1617 4 Scaled Antpitta 4 Song 0:22 Grallaria guatemalensis (7/8/1994 05:00h, Cerro Negro, Monagas, Venezuela, 10.14N,63.34W) © Peter Boesman.

1617 5 Scaled Antpitta 5 Song () 0:19 Grallaria guatemalensis carmelitae. RNA El Dorado, Sierra de Santa Marta, Magdalena, Colombia, 1200m, 06-07-2007, N11.6'28" W74.2'55", song, just below the reserve. altitude approximate. between 1000-1300m. © Frank Lambert.

1619 1 Plain-backed Antpitta 1 Song 1:00 Grallaria haplonota (25/3/1995 17:00h, Rancho Grande area, Aragua, Venezuela, 10.21N,67.42W) © Peter Boesman

1619 2 Plain-backed Antpitta 2 Song 1:49 Grallaria haplonota (24/7/2007 17:00h, Palmichal area, Carabobo, Venezuela, 10.21N,68.12W) © Peter Boesman.

1620 1 Ochre-striped Antpitta 1 Song 0:59 Grallaria dignissima (25/12/1992 , La Selva lodge, Napo, Ecuador, 00.30S,76.30W) © Peter Boesman.

1622 1 Chestnut-crowned Antpitta 1 Song 0:37 Grallaria ruficapilla (24/7/2000 11:00h, Dinira National Park, Lara, Venezuela, 09.42N,70.03W) © Peter Boesman

1622 2 Chestnut-crowned Antpitta 2 Song 1:02 Grallaria ruficapilla (27/12/1996 08:00h, Matamula area, Tachira, Venezuela, 07.42N,72.26W) © Peter Boesman.

1622 3 Chestnut-crowned Antpitta 3 Song 0:38 Grallaria ruficapilla (19/4/1997 08:30h, Pico Humboldt trail, Merida, Venezuela, 08.36N,71.05W) © Peter Boesman.

1622 4 Chestnut-crowned Antpitta 4 Song 0:21 Grallaria ruficapilla (29th December 2009 7h30. R.N. Rio Blanco, Caldas, Colombia, 2600m, 5°5' N 75°30'W ▯). © Peter Boesman.

1622 5 Chestnut-crowned Antpitta 5 Call 0:17 Grallaria ruficapilla (28/12/1997 17:00h, Guaramacal NP, Trujillo, Venezuela, 09.10N,70.11W) © Peter Boesman

1622 6 Chestnut-crowned Antpitta 6 Call 0:10 Grallaria ruficapilla (26/12/1997 17:00h, Dinira National Park, Lara, Venezuela, 09.42N,70.03W) © Peter Boesman.

1622 7 Chestnut-crowned Antpitta 7 Call 0:10 Grallaria ruficapilla (29th December 2009 8h30. R.N. Rio Blanco, Caldas, Colombia, 2600m, 5°5' N 75°30'W ▯). © Peter Boesman.

1624 1 Santa Marta Antpitta 1 Song 0:37 Grallaria bangsi (3/1/1994 10:00h, Santa Marta Lorenzo road, Magdalena, Colombia, 11.00N,73.40W) © Peter Boesman.

1624 2 Santa Marta Antpitta 2 Song 0:37 Grallaria bangsi (3/1/1994 07:00h, Santa Marta Lorenzo road, Magdalena, Colombia, 11.00N,73.40W) © Peter Boesman.

1624 3 Santa Marta Antpitta 3 Song 0:27 Grallaria bangsi. San Lorenzo arriba (PNN Sierra Nevada de Santa Marta), Vereda San Lorenzo, Mpio San Lorenzo, Magdalena, Colombia, 2250m, amh, 02-11-2000, Song, Intervals shortened. © Bernabe Lopez-Lanus.

1624 4 Santa Marta Antpitta 4 Song 0:49 Grallaria bangsi. RNA El Dorado, Sierra de Santa Marta, Magdalena, Colombia, 2100m, 13:47h, 09-02-2007, N11.6'28" W74.2'55", song, Response to playback. © Nick Athanas.

1624 5 Santa Marta Antpitta 5 Call 0:30 Grallaria bangsi (3/1/1994 07:00h, Santa Marta Lorenzo road, Magdalena, Colombia, 11.00N,73.40W) © Peter Boesman.

1624 6 Santa Marta Antpitta 6 Call 0:13 Grallaria bangsi (3/1/1994 06:00h, Santa Marta Lorenzo road, Magdalena, Colombia, 11.00N,73.40W) © Peter Boesman.

1625 1 Cundinamarca Antpitta 1 Song 0:27 Grallaria kaestneri. Monterredondo, Cundinamarca, Colombia, 2480m, 07:34h, 21-02-2010, Song, Response to playback. also: Russet-crowned Warbler, White-throated Quail-Dove © Nick Athanas.

1625 2 Cundinamarca Antpitta 2 Song 1:36 Grallaria kaestneri. Monterredondo, Cundinamarca, Colombia, 2480m, 13-08-2010 8h30, © Peter Boesman

1625 3 Cundinamarca Antpitta 3 Call 0:33 Grallaria kaestneri. Monterredondo, Cundinamarca, Colombia, 2480m, 13-08-2010 8h30, © Peter Boesman

1628 1 Bicolored Antpitta 1 Song 1:41 Gymnophthys leucaspis (29th December 2009 8h30. R.N. Rio Blanco, Caldas, Colombia, 2600m, 5°5' N 75°30'W ▯). © Peter Boesman.

1628 2 Bicolored Antpitta 2 Song 0:17 Grallaria rufocinerea rufocinerea. RNA El Mirador, Génova, Quindío, Colombia, 3250m, 14:17h, 19-02-2007, N4.8'22" W75.44'8", song, © Nick Athanas.

1628 3 Bicolored Antpitta 3 Call 0:47 Gymnophthys leucaspis (29th December 2009 8h30. R.N. Rio Blanco, Caldas, Colombia, 2600m, 5°5' N 75°30'W ▯). © Peter Boesman.

1628 4 Bicolored Antpitta 4 Call 0:08 *Gymnophrys leucaspis* (29th December 2009 8h30. R.N. Rio Blanco, Caldas, Colombia, 2600m, 5°5' N 75°30'W)). © Peter Boesman.

1628 5 Bicolored Antpitta 5 Long call () 0:14 *Gymnophrys leucaspis* (30th December 2009 10h55. R.N. Rio Blanco, Caldas, Colombia, 2600m, 5°5' N 75°30'W)). © Peter Boesman.

1630 1 Chestnut-naped Antpitta 1 Song 1:18 *Grallaria nuchalis* (30th December 2009 10h30. R.N. Rio Blanco, Caldas, Colombia, 2600m, 5°5' N 75°30'W)). © Peter Boesman.

1630 2 Chestnut-naped Antpitta 2 Song 0:51 *Grallaria nuchalis* (3rd January 2010 14h00. Paramo Navarco, Quindio/Tolima, Colombia, 3200m, 4°28'27"N 75°33'25"W)). © Peter Boesman.

1630 3 Chestnut-naped Antpitta 3 Song 0:47 *Grallaria nuchalis* (29th December 2009 16h30. R.N. Rio Blanco, Caldas, Colombia, 2600m, 5°5' N 75°30'W)). © Peter Boesman

1630 4 Chestnut-naped Antpitta 4 Song 1:14 *Grallaria nuchalis* (26/12/1993 , Podocarpus Cajanuma, Loja, Ecuador, 04.20S,79.10W) © Peter Boesman.

1630 5 Chestnut-naped Antpitta 5 Song and soft quaver 0:58 *Grallaria nuchalis* (30th December 2009 10h00. R.N. Rio Blanco, Caldas, Colombia, 2600m, 5°5' N 75°30'W)). (Background: Brown-banded Antpitta, Gray-breasted Wood Wren). © Peter Boesman.

1633 1 Yellow-breasted Antpitta 1 Song 0:59 *Grallaria flavotincta* (24/2/2006 08:00h, Paz de las Aves, Pichincha, Ecuador, 00.00N,78.40W) © Peter Boesman.

1633 2 Yellow-breasted Antpitta 2 Song 0:30 *Grallaria flavotincta* (31st December 2009 8h30. P.N. Tatamá, Montezuma trail, near Pueblo Rico, Risaralda, Colombia, 1600m, 5°14'3"N 76° 5'21"W)). © Peter Boesman.

1633 3 Yellow-breasted Antpitta 3 Song 0:33 *Grallaria flavotincta* (9th February 2011 17h00. RNA Las Tangaras near Carmen del Atrato, Antioquia, Colombia). © Peter Boesman.

1633 4 Yellow-breasted Antpitta 4 Song 0:47 *Grallaria flavotincta*. Road to San Jose del Palmar, Serrania de las Paraguas, Choco, Colombia, 1780m, 13:10h, 31-07-2008. Song © Andrew Spencer.

1634 1 White-bellied Antpitta 1 Song 0:24 *Grallaria hypoleuca* (31st January 2011 9h00. RNA Reinita Cielo Azul, San Vicente de Chucuri, Santander, Colombia, 1900m, N.50'47" N, 73.22'30" W)). © Peter Boesman.

1634 2 White-bellied Antpitta 2 Song 1:43 *Grallaria hypoleuca* (20/2/2006 16:00h, San Isidro lodge, Napo, Ecuador, 00.40S,77.55W) © Peter Boesman.

1634 3 White-bellied Antpitta 3 Song 0:34 *Grallaria hypoleuca* (21/2/2006 07:30h, San Isidro lodge, Napo, Ecuador, 00.40S,77.55W) © Peter Boesman.

1634 4 White-bellied Antpitta 4 Song 0:51 *Grallaria hypoleuca hypoleuca*. Reserva La Forzosa (Vereda Roble arriba), Anori, Antioquia, Colombia, 1800m, 07:00h, 05-06-2000. Song © Bernabe Lopez-Lanus.

1634 5 White-bellied Antpitta 5 Song variant 0:27 *Grallaria hypoleuca* (21/2/2006 07:30h, San Isidro lodge, Napo, Ecuador, 00.40S,77.55W) © Peter Boesman.

1638 1 Rufous Antpitta 1 Song W 0:17 *Grallaria rufula*. RNA Loro Orejiamarillo, Jardin, Antioquia, Colombia, 2800m, 23-06-2007, N5.32'20" W75.48'16", song. © Frank Lambert.

1638 2 Rufous Antpitta 2 Song W 0:32 *Grallaria rufula* (7th February 2011 10h00. RNA El Colibri del Sol, Páramo de Frontino, Antioquia, Colombia, 3200m, 6.26°17'N, 76.5°18' W)). © Peter Boesman.

1638 3 Rufous Antpitta 3 Song Santa Marta 0:24 *Grallaria rufula* (31/1/1994 06:00h, Santa Marta Lorenzo road, Magdalena, Colombia, 11.00N,73.40W) © Peter Boesman.

1638 4 Rufous Antpitta 4 Song Santa Marta 0:10 *Grallaria rufula* (31/1/1994 06:00h, Santa Marta Lorenzo road, Magdalena, Colombia, 11.00N,73.40W) © Peter Boesman.

1638 5 Rufous Antpitta 5 Song E 0:47 *Grallaria rufula* (25/12/1993 , Podocarpus Cajanuma, Loja, Ecuador, 04.20S,79.10W) © Peter Boesman.

1638 6 Rufous Antpitta 6 Song Centre 0:11 *Grallaria rufula Bogota*, Quebrada la Vieja, Colombia, 2900m, 08:16h, 07-11-2007, N4.37'23" W74.3'22", song, © Nick Athanas.

1638 7 Rufous Antpitta 7 Song centre 0:10 *Grallaria rufula Parque Nacional Natural Chingaza*, Cundinamarca, Colombia, 2800m, 08:30h, 06-06-2011, N4.44'49" W73.51'21" Song, © Andrew Spencer.

1638 8 Rufous Antpitta 8 Song Centre 0:20 *Grallaria rufula rufula*. Serra Guadalupe above Bogota, Colombia, 3150m, 09:30h, 19 Jan 2010, Song, in dense bamboo © Frank Lambert.

1640 1 Tawny Antpitta 1 Song 1:15 *Grallaria quitensis* (12/2/2006 09:00h, Papallacta pass, Pichincha, Ecuador, 00.25S,78.08W) © Peter Boesman.

1640 2 Tawny Antpitta 2 Song 0:51 *Grallaria quitensis* (12/2/2006 09:30h, Papallacta pass, Pichincha, Ecuador, 00.25S,78.08W) © Peter Boesman.

1640 3 Tawny Antpitta 3 Song 0:42 *Grallaria quitensis* (28th December 2009 16h00. Nevada del Ruiz, Caldas, Colombia 4°54'N, 75°19'W)). © Peter Boesman.

1640 4 Tawny Antpitta 4 Song 1:18 *Grallaria quitensis alticola*. Parque Nacional Natural Chingaza, Cundinamarca, Colombia, 3400m, 11:10h, 06-06-2011, N4.44'49" W73.51'21", song, natural vocalization, from a bird singing in some low bamboo and scrub in the paramo. © Andrew Spencer.

1640 5 Tawny Antpitta 5 Call 0:31 *Grallaria quitensis* (28th December 2009 17h45. Nevada del Ruiz, Caldas, Colombia 4°54'N, 75°19'W)). © Peter Boesman.

1640 6 Tawny Antpitta 6 Call 0:10 *Grallaria quitensis* (12/2/2006 08:30h, Papallacta pass, Pichincha, Ecuador, 00.25S,78.08W) © Peter Boesman.

1640 7 Tawny Antpitta 7 Call 0:21 *Grallaria quitensis alticola*. Parque Nacional Natural Chingaza, Cundinamarca, Colombia, 3400m, 11:10h, 06-06-2011, N4.44'49" W73.51'21", call, natural vocalization © Andrew Spencer.

1641 1 Urrao Antpitta 1 Song 1:15 *Grallaria sp.nov.* RNA El Colibri del Sol, Paramo de Frontino, Antioquia, Colombia, 2500m, 09:50h, 20-06-2011, N6.26°17' W76.5°18", song, natural vocalization. © Andrew Spencer.

1641 2 Urrao Antpitta 2 Song () 0:12 *Grallaria urraensis* (7th February 2011 7h00. RNA El Colibri del Sol, Páramo de Frontino, Antioquia, Colombia, 3130m, 6.26°17'N, 76.5°18' W). Natural vocalization. © Peter Boesman.

1641 3 Urrao Antpitta 3 Call 0:18 *Grallaria urraensis* (7th February 2011 7h00. RNA El Colibri- del Sol, Páramo de Frontino, Antioquia, Colombia, 3130m, 6.26°17'N, 76.5°18' W). Natural vocalization. © Peter Boesman.

1641 4 Urrao Antpitta 4 Call 0:34 *Grallaria sp.nov.* RNA El Colibri- del Sol, Paramo de Frontino, Antioquia, Colombia, 2500m, 09:50h, 20-06-2011, N6.26°17' W76.5°18", call, natural vocalization. © Andrew Spencer.

1642 1 Brown-banded Antpitta 1 Song 1:27 *Grallaria milleri* (30th December 2009 10h55. R.N. Rio Blanco, Caldas, Colombia, 2600m, 5°5' N 75°30'W)). © Peter Boesman.

1642 2 Brown-banded Antpitta 2 Song 0:33 *Grallaria milleri* (30th December 2009 10h40. R.N. Rio Blanco, Caldas, Colombia, 2600m, 5°5' N 75°30'W)). © Peter Boesman.

1642 3 Brown-banded Antpitta 3 Call 0:22 *Grallaria milleri* (29th December 2009 9h00. R.N. Rio Blanco, Caldas, Colombia, 2600m, 5°5' N 75°30'W)). © Peter Boesman.

1642 4 Brown-banded Antpitta 4 Call 0:32 *Grallaria milleri* (29th December 2009 8h00. R.N. Rio Blanco, Caldas, Colombia, 2600m, 5°5' N 75°30'W)). © Peter Boesman.

1644 1 Streak-chested Antpitta 1 song 0:50 *Hylopezus perspicillatus* (8/1/1993 08:30h, Corcovado NP, Puntarenas, Costa Rica, 08.40N,83.40W) © Gunter De Smet

1644 2 Streak-chested Antpitta 2 song 0:25 *Hylopezus perspicillatus* (25/12/1991 09:00h, Braulio Carillo NP, Cartago, Costa Rica, 10.10N,83.36W) © Peter Boesman

1644 3 Streak-chested Antpitta 3 song 0:36 *Hylopezus perspicillatus* (15/4/1995 , Cana, Darien, Panama, 07.50N,77.40W) © Peter Boesman

1644 4 Streak-chested Antpitta 4 call 0:12 *Hylopezus perspicillatus* (13/10/1996 , Pipeline road, Panamá, Panama.) © Dodge Engleman

1645 1 Spotted Antpitta 1 Song 0:28 *Hylopezus macularius* (15/11/1993 09:30h, Km 73 area, Bolivar, Venezuela, 06.17N,61.17W) © Peter Boesman

1645 2 Spotted Antpitta 2 Song 0:48 *Hylopezus macularius macularius*. (Reserve Naturelle des Nouragues, saut Parare, French Guiana, 60m, 31-10-2009). (background: Ruddy Pigeon). © Alexandre Renaudier.

1645 3 Spotted Antpitta 3 Song 1:09 *Hylopezus macularius* (March 2009, Guiana trail KM 75, Bolivar, Venezuela, 06.17N,61.17W) © Hans Matheve.

1647 1 Thicket Antpitta 1 song 0:31 *Hylopezus dives* (15/4/1995 , Cana, Darien, Panama, 07.50N,77.40W) © Peter Boesman

1647 2 Thicket Antpitta 2 song 0:21 *Hylopezus dives* (15/4/1995 07:00h, Cana, Darien, Panama, 07.50N,77.40W) © Peter Boesman

1647 3 Thicket Antpitta 3 song 0:21 *Hylopezus dives* (4/2/1993 07:20h, La Selva, Heredia, Costa Rica, 10.20N,84.00W) © Gunter De Smet

1648 1 White-lored Antpitta 1 Song 0:42 *Hylopezus fulviventris fulviventris*. El Para, east of Archidona, Napo, Ecuador, 750m, 11:00h, 14-01-2011, S0.577" W77.4353", song © Andrew Spencer.

1648 2 White-lored Antpitta 2 Song 0:33 *Hylopezus fulviventris fulviventris*. Shiripuno, Huaorani reserve, border of Orellana and Pastaza, Ecuador, 220m, 17.06h, 11-05-2007, S1.100" W76.400", song, Response to playback.. also: Boat-billed Flycatcher, Casqued Oropendola © Nick Athanas.

1652 1 Thrush-like Antpitta 1 Song 0:48 *Myrmothera campanisona* (13/2/1994 , Rio Grande area, Bolivar, Venezuela, 08.03N,61.40W) © Peter Boesman.

1652 2 Thrush-like Antpitta 2 Song 0:49 *Myrmothera campanisona* (29/7/2009 08:00h, Pantiacolla Lodge, Madre de Dios, Peru, 12.39S,71.14W) © Peter Boesman

1652 3 Thrush-like Antpitta 3 Song 0:33 *Myrmothera campanisona* (1/11/2001, Rio Cristalino Jungle Lodge, Mato Grosso, Brazil, 09.27S,55.54W) © Mark Van Beirs

1652 4 Thrush-like Antpitta 4 Song 0:38 *Myrmothera campanisona* (17/2/2006 08:00h, Garenno Lodge, Napo, Ecuador, 01.05S,77.35W) © Peter Boesman

1652 5 Thrush-like Antpitta 5 Call 0:23 *Myrmothera campanisona* dissors. (Mitu, Vaupes, Colombia, 190m, 10:40h, 10-06-2011, N1.1445" W70.1344"). Calls from a bird on the ground in a dense tangle. © Andrew Spencer.

1654 1 Ochre-breasted Antpitta 1 Song 1:01 *Grallaricula flavirostris mindoensis*. Tandayapa Bird Lodge, Tandayapa Valley, Pichincha, Ecuador, 1750m, 06:20h, 2012-01-16, NO.0°36' W78.40°39", song, response to playback from an unseen bird. © Andrew Spencer.

1654 2 Ochre-breasted Antpitta 2 Song 0:43 *Grallaricula flavirostris*. (Fortuna, Chiriqui Province, Panama, 1000m, 9:00h, 26-10-10). A pair responding to playback. © Ken Allaire.

1659 1 Rusty-breasted Antpitta 1 Song 0:24 *Grallaricula ferruginepectus* (30/4/1995 10:15h, Serrania de San Luis, Falcon, Venezuela, 11.12N,69.42W) © Peter Boesman.

1659 2 Rusty-breasted Antpitta 2 Song 0:17 *Grallaricula ferruginepectus* (15/5/1993 , Yacambu NP, Lara, Venezuela, 09.43N,69.35W) © Peter Boesman.

1659 3 Rusty-breasted Antpitta 3 Song 0:15 *Grallaricula ferruginepectus* (19/7/1997 09:00h, Turgua area, Aragua, Venezuela, 10.25N,66.48W) © Peter Boesman.

1659 4 Rusty-breasted Antpitta 4 Song 0:41 *Grallaricula ferruginepectus* (February 2009, La Azulita road, Merida, Venezuela) © Hans Matheve.

1659 5 Rusty-breasted Antpitta 5 Song 0:46 *Grallaricula ferruginepectus* (3/1/1994 06:30h, Santa Marta Lorenzo road, Magdalena, Colombia, 11.00N,73.40W) © Peter Boesman.

1660 1 Slate-crowned Antpitta 1 Song 0:25 Grallaricula nana (11/10/1992 , Guaramacal NP, Trujillo, Venezuela, 09.10N,70.11W) © Peter Boesman.

1660 2 Slate-crowned Antpitta 2 Song 0:35 Grallaricula nana (February 2009, Pico Humboldt trail, Merida, Venezuela) © Hans Matheve.

1660 3 Slate-crowned Antpitta 3 Song 0:38 Grallaricula nana (31/7/2000 08:00h, El Morro - Aicagua road, Merida, Venezuela, 08.17N,71.09W) © Peter Boesman.

1660 4 Slate-crowned Antpitta 4 Song 0:40 Grallaricula nana (29th December 2009 15h30. R.N. Rio Blanco, Caldas, Colombia, 2600m, 5°5' N 75°30'W!). © Peter Boesman.

1660 5 Slate-crowned Antpitta 5 Call 0:39 Grallaricula nana nana. Finca Yerbabuena (sobre Toche), canon del rio Toche, Tolima, Colombia, 2400m, 11:15h, 23-06-1998, Call © Bernabe Lopez-Lanus.

1662 1 Crescent-faced Antpitta 1 Song 1:02 Grallaricula lineifrons (10th February 2011 8h00. Nevada del Ruiz, Caldas, Colombia 4°54'N, 75°19'W!). © Peter Boesman.

1665 1 Ocellated Tapaculo 1 Song 0:22 Acropternis orthonyx (18/12/1996 06:00h, Páramo del Batallon, Tachira, Venezuela, 08.09N,71.57W) © Peter Boesman

1665 2 Ocellated Tapaculo 2 Song 0:23 Acropternis orthonyx (18/12/1996 06:00h, Páramo del Batallon, Tachira, Venezuela, 08.09N,71.57W) © Peter Boesman

1665 3 Ocellated Tapaculo 3 Song 0:26 Acropternis orthonyx (30th December 2009 9h00. R.N. Rio Blanco, Caldas, Colombia, 2600m, 5°5' N 75°30'W!). © Peter Boesman.

1665 4 Ocellated Tapaculo 4 Song 0:45 Acropternis orthonyx (February 2009, Páramo del Batallon, Tachira, Venezuela). © Hans Matheve.

1665 5 Ocellated Tapaculo 5 Song 0:33 Acropternis orthonyx orthonyx. R.N. Rio Blanco, Caldas, Colombia, 2600m, 09:30h, 20-07-2008, N5.50° W75.30'0", Song. Two call types. © Andrew Spencer.

1678 1 Ash-colored Tapaculo 1 Song 0:30 Myomis senilis (25/12/1992 , Podocarpus Cajanuma, Loja, Ecuador, 04.20S,79.10W) © Peter Boesman.

1678 2 Ash-colored Tapaculo 2 Song 1:15 Myomis senilis. Cauca; Parque Nacional Natural Purace, Colombia, N2.12°0' W76.20°59", song, © Frank Lambert.

1679 1 Blackish Tapaculo 1 Song 0:32 Scytalopus latrans (21/12/1996 17:00h, Matamula area, Tachira, Venezuela, 07.42N,72.26W) © Peter Boesman

1679 2 Blackish Tapaculo 2 Song 0:12 Scytalopus latrans (21/12/1996 17:00h, Matamula area, Tachira, Venezuela, 07.42N,72.26W) © Peter Boesman.

1679 3 Blackish Tapaculo 3 Song 1:44 Scytalopus latrans (8th January 2010 16h40. Rogitama, Cundinamarca, Colombia 5° 47' 44"N 73° 27' 25"W). © Peter Boesman.

1679 4 Blackish Tapaculo 4 Call 0:24 Scytalopus latrans (27/12/1996 06:00h, Matamula area, Tachira, Venezuela, 07.42N,72.26W) © Peter Boesman.

1679 5 Blackish Tapaculo 5 Call 0:22 Scytalopus latrans. Monteredondo, Cundinamarca, Colombia, 2300m, 10:00h, 18 Jan 2010, calls, subspecies is probably latrans © Frank Lambert.

1679 6 Blackish Tapaculo 6 Call 0:29 Scytalopus latrans. RNA El Mirador, Genova, Quindio, Colombia, 2800m, 7-05-07, N4.8'22" W75.44'8", calls, © Frank Lambert.

1679 7 Blackish Tapaculo 7 Nasal call 0:11 Scytalopus latrans (22/12/1996 08:00h, Matamula area, Tachira, Venezuela, 07.42N,72.26W) © Peter Boesman.

1679 8 Blackish Tapaculo 8 song QQ 0:18 Scytalopus latrans (29th December 2009 9h00. R.N. Rio Blanco, Caldas, Colombia, 2600m, 5°5' N 75°30'W!). © Peter Boesman.

1681 1 Alto de Pisones Tapaculo 1 Song 1:17 Scytalopus sp. nov. (1st January 2010 9h30. P.N. Tatamá, Montezuma trail, near Pueblo Rico, Risaralda, Colombia, 1600m, 5°14'3"N 76° 5'21"W !). © Peter Boesman.

1681 2 Alto de Pisones Tapaculo 2 Long song 1:57 Scytalopus sp. nov. (1st January 2010 9h30. P.N. Tatamá, Montezuma trail, near Pueblo Rico, Risaralda, Colombia, 1600m, 5°14'3"N 76° 5'21"W !). © Peter Boesman.

1681 3 Alto de Pisones Tapaculo 3 Song 0:45 Scytalopus sp. nov. (9th February 2011 7h00. RNA Las Tangaras near Carmen del Atrato, Antioquia, Colombia) © Peter Boesman.

1681 4 Alto de Pisones Tapaculo 4 Song 1:46 Scytalopus sp.nov. RNA Las Tangaras, Choco, Colombia, 1700m, 08:00h, 24-06-2011, N5.43'44" W76.14'38", song, natural vocalization; got the entire song in this cut. © Andrew Spencer.

1681 5 Alto de Pisones Tapaculo 5 Call and song 0:48 Scytalopus sp. nov. (9th February 2011 7h00. RNA Las Tangaras near Carmen del Atrato, Antioquia, Colombia) © Peter Boesman.

1688 1 Santa Marta Tapaculo 1 Song 0:22 Scytalopus sanctaemartae (3/1/1994 07:15h, Santa Marta Lorenzo road, Magdalena, Colombia, 11.00N,73.40W) © Peter Boesman.

1688 2 Santa Marta Tapaculo 2 Call 0:08 Scytalopus sanctaemartae (3/1/1994 08:00h, Santa Marta Lorenzo road, Magdalena, Colombia, 11.00N,73.40W) © Peter Boesman.

1688 3 Santa Marta Tapaculo 3 Call 0:29 Scytalopus sanctaemartae. RNA El Dorado, Sierra de Santa Marta, Magdalena, Colombia, 1800m, 07:40h, 10-02-2007, N11.6'28" W74.2'55", call. © Nick Athanas.

1689 1 Long-tailed Tapaculo 1 Song 1:13 Scytalopus micropterus (20/2/2006 08:00h, San Isidro lodge, Napo, Ecuador, 00.40S,77.55W) © Peter Boesman.

1689 2 Long-tailed Tapaculo 2 Song 1:38 Scytalopus micropterus (22/2/2006 06:30h, San Isidro lodge, Napo, Ecuador, 00.40S,77.55W) © Peter Boesman.

1689 3 Long-tailed Tapaculo 3 Call 0:39 Scytalopus micropterus (21/2/2006 08:00h, San Isidro lodge, Napo, Ecuador, 00.40S,77.55W) © Peter Boesman.

1689 4 Long-tailed Tapaculo 4 Call 0:37 Scytalopus micropterus (20/2/2006 16:00h, San Isidro lodge, Napo, Ecuador, 00.40S,77.55W) © Peter Boesman.

1691 11 White-crowned Tapaculo 11 Song 0:36 Scytalopus atratus nigricans (17/2/1985 08:00h, La Soledad trail, Barinas, Venezuela, 08.48N,70.32W) © Chris Parrish.

1691 12 White-crowned Tapaculo 12 Song 0:29 Scytalopus atratus nigricans (27/7/2000 08:00h, Finca Monteverde at Olinda II, Merida, Venezuela, 08.45N,71.28W) © Peter Boesman.

1691 13 White-crowned Tapaculo 13 Song 0:19 Scytalopus atratus nigricans (1/8/2000 17:00h, Campamento La Trampa, Tachira, Venezuela, 07.55N,71.43W) © Peter Boesman.

1691 14 White-crowned Tapaculo 14 Call 0:32 Scytalopus atratus nigricans (1/8/2000 17:00h, Campamento La Trampa, Tachira, Venezuela, 07.55N,71.43W) © Peter Boesman.

1691 21 White-crowned Tapaculo 21 Song 0:26 Scytalopus atratus confusus (2nd January 2010 13h15. Bosque Bremen, Quindio, Colombia, 4°40'26"N 75°37'5"W). © Peter Boesman.

1691 22 White-crowned Tapaculo 22 Song 1:12 Scytalopus atratus confusus (3rd January 2010 9h00. Bosque Bremen, Quindio, Colombia, 4°40'26"N 75°37'5"W). (Background: Highland Motmot). © Peter Boesman.

1691 23 White-crowned Tapaculo 23 Song 1:52 Scytalopus atratus confusus. RNA Arriero Antioqueño, Anorí, Antioquia, Colombia, 1800m, 14:45h, 16-06-2011, N6.59'10" W75.7'30", song, response to playback © Andrew Spencer.

1691 24 White-crowned Tapaculo 24 Song 0:47 Scytalopus atratus (15/2/2006 09:00h, Sumaco road, Napo, Ecuador, 00.45S,77.35W) © Peter Boesman.

1694 1 Choco Tapaculo 1 Song 0:58 Scytalopus chococensis (25/12/1992 , El Placer, Esmeraldas, Ecuador, 00.50N,78.30W) © Peter Boesman.

1695 1 Upper Magdalena Tapaculo 1 Song 0:44 Scytalopus rodriguezi (31st January 2011 10h00. RNA Reinita Cielo Azul, San Vicente de Chucurí, Santander, Colombia, 1900m, N.50'47" N, 73.22'30" W). © Peter Boesman.

1695 2 Upper Magdalena Tapaculo 2 Song 0:25 Scytalopus rodriguezi (31st January 2011 10h00. RNA Reinita Cielo Azul, San Vicente de Chucurí, Santander, Colombia, 1900m, N.50'47" N, 73.22'30" W). © Peter Boesman.

1695 3 Upper Magdalena Tapaculo 3 Call 0:40 Scytalopus rodriguezi (31st January 2011 10h00. RNA Reinita Cielo Azul, San Vicente de Chucurí, Santander, Colombia, 1900m, N.50'47" N, 73.22'30" W). © Peter Boesman.

1696 1 Stiles's Tapaculo 1 Song 0:31 Scytalopus stilesi (5th February 2011 6h30. La Romera near Medellin, Antioquia, Colombia). (Background: Three-striped Warbler). © Peter Boesman.

1696 2 Stiles's Tapaculo 2 Song 0:33 Scytalopus stilesi (5th February 2011 7h00. La Romera near Medellin, Antioquia, Colombia). © Peter Boesman.

1696 3 Stiles's Tapaculo 3 Song 0:50 Scytalopus stilesi (5th February 2011 6h30. La Romera near Medellin, Antioquia, Colombia). (Background: Three-striped Warbler). Two birds. © Peter Boesman.

1696 4 Stiles's Tapaculo 4 Song 3:11 Scytalopus stilesi. RNA Arriero Antioqueño, Anorí, Antioquia, Colombia, 1800m, 15:20h, 16-06-2011, N6.59'10" W75.7'30", Song from a male bird beside the trail, singing from about 1m up in a small sapling. © Andrew Spencer.

1698 1 Narino Tapaculo 1 Song 0:26 Scytalopus viciniior (24/2/2006 08:00h, Paz de las Aves, Pichincha, Ecuador, 00.00N,78.40W) © Peter Boesman.

1698 2 Narino Tapaculo 2 Song 0:58 Scytalopus viciniior (24/2/2006 08:00h, Paz de las Aves, Pichincha, Ecuador, 00.00N,78.40W) © Peter Boesman.

1698 3 Narino Tapaculo 3 Song 1:19 Scytalopus viciniior (8th February 2011 17h00. RNA Las Tangaras near Carmen del Atrato, Antioquia, Colombia). © Peter Boesman.

1698 4 Narino Tapaculo 4 Song 0:40 Scytalopus viciniior (8th February 2011 16h00. RNA Las Tangaras near Carmen del Atrato, Antioquia, Colombia). © Peter Boesman.

1698 5 Narino Tapaculo 5 Call 0:17 Scytalopus viciniior (26/2/2006 06:30h, Mindo Loma, Pichincha, Ecuador, 00.00S,78.40W) © Peter Boesman.

1698 6 Narino Tapaculo 6 Call 0:36 Scytalopus viciniior. RNA Las Tangaras, Choco, Colombia, 1800m, 06:40h, 26-06-2011, N5.43'44" W76.14'38", call, natural vocalization © Andrew Spencer.

1698 7 Narino Tapaculo 7 Call 0:55 Scytalopus viciniior. (8th February 2011 17h00. RNA Las Tangaras near Carmen del Atrato, Antioquia, Colombia). © Peter Boesman.

1699 1 Brown-rumped Tapaculo 1 Call and song 0:26 Scytalopus latebricola. Above RNA El Dorado, Sierra de Santa Marta, Magdalena, Colombia, 2550m, 09:30h, 8 Feb 2010, N11.6'28" W74.2'55", song, bird not seen © Frank Lambert.

1699 2 Brown-rumped Tapaculo 2 Song 0:10 Scytalopus latebricola (3/1/1994 10:00h, Santa Marta Lorenzo road, Magdalena, Colombia, 11.00N,73.40W) © Peter Boesman.

1699 3 Brown-rumped Tapaculo 3 Call 0:56 Scytalopus latebricola (3/1/1994 09:00h, Santa Marta Lorenzo road, Magdalena, Colombia, 11.00N,73.40W) © Peter Boesman.

1699 4 Brown-rumped Tapaculo 4 Call 0:16 Scytalopus latebricola (3/1/1994 06:30h, Santa Marta Lorenzo road, Magdalena, Colombia, 11.00N,73.40W) © Peter Boesman.

1699 5 Brown-rumped Tapaculo 5 Call 0:17 Scytalopus latebricola. RNA El Dorado, Sierra de Santa Marta, Magdalena, Colombia, 2450m, 09:14h, 09-02-2007, N11.6'28" W74.2'55", call, Male. © Nick Athanas.

1702 1 Spillmann's Tapaculo 1 Song 0:37 Scytalopus spillmanni (30th December 2009 9h15. R.N. Rio Blanco, Caldas, Colombia, 2600m, 5°5' N 75°30'W!). © Peter Boesman.

1702 2 Spillmann's Tapaculo 2 Song 0:18 Scytalopus spillmanni (13/2/2006 08:00h, Huacamayos ridge, Napo, Ecuador, 00.37S,77.52W) © Peter Boesman.

1702 3	Spillmann's Tapaculo 3 Short song	0:32 <i>Scytalopus spillmanni</i> (29th December 2009 12h00. R.N. Rio Blanco, Caldas, Colombia, 2600m, 5°5' N 75°30'W). © Peter Boesman.
1702 4	Spillmann's Tapaculo 4 Call	0:22 <i>Scytalopus spillmanni</i> (29th December 2009 15h15. R.N. Rio Blanco, Caldas, Colombia, 2600m, 5°5' N 75°30'W). © Peter Boesman.
1702 5	Spillmann's Tapaculo 5 Song and call	0:32 <i>Scytalopus spillmanni</i> (29th December 2009 7h15. R.N. Rio Blanco, Caldas, Colombia, 2600m, 5°5' N 75°30'W). © Peter Boesman.
1706 1	Matorral Tapaculo 1 Song	0:14 <i>Scytalopus griseicollis</i> (7th January 2010 11h15. Onzaga road near Soata, Boyaca, Colombia, 6°20'11"N 72°44'11"W). © Peter Boesman.
1706 2	Matorral Tapaculo 2 Song	0:13 <i>Scytalopus griseicollis</i> (7th January 2010 11h15. Onzaga road near Soata, Boyaca, Colombia, 6°20'11"N 72°44'11"W). © Peter Boesman.
1706 3	Matorral Tapaculo 3 Song	0:13 <i>Scytalopus griseicollis</i> (9th January 2010 9h00. Parque Nacional Chingaza, Cundinamarca, Colombia 4°47'2".N 73°46'32"W). (Background: Yellow-faced Redstart). © Peter Boesman.
1706 4	Matorral Tapaculo 4 Call	0:58 <i>Scytalopus griseicollis</i> (5/1/1986 05:40h, Rio Oirá, Apure, Venezuela, 07.24N,72.16W) © Chris Parrish.
1706 5	Matorral Tapaculo 5 Call	1:23 <i>Scytalopus griseicollis</i> . Parque Nacional Natural Chingaza, Cundinamarca, Colombia, 3200m, 13:00h, 06-06-2011, N4.44'49" W73.51'21", call, natural vocalization © Andrew Spencer.
1715 1	Paramillo Tapaculo 1 Song	0:10 <i>Scytalopus canus</i> . RNA El Colibri del Sol, Paramo de Frontino, Antioquia, Colombia, 3450m, 13:30h, 20-06-2011, N6.26'17" W76.5'18", Song from a male bird in response to playback © Andrew Spencer.
1715 2	Paramillo Tapaculo 2 Song	0:13 <i>Scytalopus canus</i> . Paramo de Frontino camp 1, Colombia, 3500m, 8:30h, 10-8-2004, N6.26'16" W76.6'18", complete song of adult male after playback, Collected later (ICN 35020). Tape ref. A 532-536 © Niels Krabbe.
1715 3	Paramillo Tapaculo 3 Call	1:15 <i>Scytalopus canus</i> . Paramo de Frontino camp 1, Colombia, 3500m, 8:00h, 7-8-2004, N6.26'16" W76.6'18", calls and distant song. Tape ref. B 288-305 © Niels Krabbe.
1715 4	Paramillo Tapaculo 4 Call	0:12 <i>Scytalopus canus</i> (7th February 2011 10h00. RNA El Colibri del Sol, Paramo de Frontino, Antioquia, Colombia, 3200m, 6.26'17"N, 76.5'18" W). © Peter Boesman.
1715 5	Paramillo Tapaculo 5 Call	0:03 <i>Scytalopus canus</i> . RNA El Colibri del Sol, Paramo de Frontino, Antioquia, Colombia, 3450m, 13:30h, 20-06-2011, N6.26'17" W76.5'18", call, single call note given spontaneously from a male bird © Andrew Spencer.
1716 2	Paramo Tapaculo 2 Song	0:11 <i>Scytalopus canus</i> (12/2/2006 09:00h, Papallacta pass, Pichincha, Ecuador, 00.25S,78.08W) © Peter Boesman.
1716 3	Paramo Tapaculo 3 Call	0:21 <i>Scytalopus canus</i> (12/2/2006 09:30h, Papallacta pass, Pichincha, Ecuador, 00.25S,78.08W) © Peter Boesman.
1716 4	Paramo Tapaculo 4 Call	1:00 <i>Scytalopus canus</i> (3rd January 2010 13h00. Paramo Navarco, Quindio/Tolima, Colombia, 3200m, 4°28'27"N 75°33'25"W). © Peter Boesman.
1716 5	Paramo Tapaculo 5 Call	0:22 <i>Scytalopus opacus opacus</i> . RNA El Mirador, Genova, Quindio, Colombia, 3650m, 01-06-2007, N4.8'22" W75.44'8", call, response to playback of its own call. just north of reserve. © Frank Lambert.
1718 1	Rufous-capped Anthrush 1 Song	1:09 <i>Fornicarius colma</i> (19/1/2005 16:30h, Carajás, Salobo area, Pará, Brazil, 05.55S,50.30W) © Peter Boesman
1718 2	Rufous-capped Anthrush 2 Song	0:32 <i>Fornicarius colma</i> (25/3/1997 18:00h, Lower Rio Caura area, Bolivar, Venezuela, 07.15N,65.00W) © Peter Boesman
1718 3	Rufous-capped Anthrush 3 Song	1:02 <i>Fornicarius colma</i> (12/8/2001 , Itapoá - Volta Velha, Santa Catarina, Brazil, 26.07S,48.35W) © Mark Van Beirs.
1718 4	Rufous-capped Anthrush 4 Song	0:21 <i>Fornicarius colma</i> (21/10/1994 07:15h, Km 85 area, Bolivar, Venezuela, 06.12N,61.23W) © Peter Boesman.
1718 5	Rufous-capped Anthrush 5 Song	0:26 <i>Fornicarius colma</i> (Guiana Trail KM 75, Bolivar, Venezuela) © Hans Matheve
1718 6	Rufous-capped Anthrush 6 Call	0:09 <i>Fornicarius colma</i> (10/12/1999 , Junglaven area, Amazonas, Venezuela, 05.00N,66.23W) © Mark Van Beirs
1719 1	Black-faced Anthrush 1 Song	1:03 <i>Fornicarius analis</i> (30/7/2003 08:30h, Cerro Humo, Sucre, Venezuela, 10.41N,62.37W) © Peter Boesman
1719 2	Black-faced Anthrush 2 Song	0:46 <i>Fornicarius analis</i> (5/7/1996 07:00h, Yacambu NP, Lara, Venezuela, 09.43N,69.35W) © Peter Boesman
1719 3	Black-faced Anthrush 3 Song	0:47 <i>Fornicarius analis</i> (11/6/1995 07:45h, Palmichal area, Carabobo, Venezuela, 10.21N,68.12W) © Peter Boesman.
1719 4	Black-faced Anthrush 4 Song NW	0:37 <i>Fornicarius analis</i> (14/1/1993 16:40h, Corcovado NP, Puntarenas, Costa Rica, 08.40N,83.40W) © Gunter De Smet
1719 5	Black-faced Anthrush 5 Song NW	0:05 <i>Fornicarius analis</i> (2nd February 2011 7h00. RNA El Paujil, Santander, Colombia, 310m, 6.2'59" N, 74.15'41" W), © Peter Boesman.
1719 6	Black-faced Anthrush 6 Song NW	0:29 <i>Fornicarius analis saturatus</i> . Reserva Rio Claro, Sonson, San Francisco, Antioquia, Colombia, 350m, 17.21h, 22-09-2000, Song © Bernabe Lopez-Lanus.
1719 7	Black-faced Anthrush 7 Call	0:35 <i>Fornicarius analis</i> (30/7/2003 06:30h, Cerro Humo, Sucre, Venezuela, 10.41N,62.37W) © Peter Boesman
1719 8	Black-faced Anthrush 8 Call series ()	0:05 <i>Fornicarius analis</i> (6/5/1997 09:00h, Montalban La Rosa Mountains, Carabobo, Venezuela, 10.15N,68.18W) © Peter Boesman
1721 1	Black-headed Anthrush 1 song	1:07 <i>Fornicarius nigricapillus</i> . (26th March 2010 06h25, Las Heliconias Lodge, 800m elev., Alajuela, Costa Rica). (Background: Long-tailed Manakin, White-breasted Wood Wren, Olive Tanager). © Peter Boesman.
1721 2	Black-headed Anthrush 2 song	0:41 <i>Fornicarius nigricapillus</i> (28/11/1992 06:45h, Rara Avis, Heredia, Costa Rica, 10.20N,84.00W) © Gunter De Smet
1721 3	Black-headed Anthrush 3 call	0:17 <i>Fornicarius nigricapillus</i> (28/11/1992 07:00h, Rara Avis, Heredia, Costa Rica, 10.20N,84.00W) © Gunter De Smet
1722 1	Rufous-breasted Anthrush 1 Song	1:13 <i>Fornicarius rufipectus</i> (26/2/2006 07:00h, Mindo Loma, Pichincha, Ecuador, 00.00S,78.40W) © Peter Boesman.
1722 2	Rufous-breasted Anthrush 2 Song	0:32 <i>Fornicarius rufipectus</i> (23/12/1992 07:30h, Mindo area , Ecuador, 00.03N,78.45W) © Peter Boesman.
1722 3	Rufous-breasted Anthrush 3 Song	0:24 <i>Fornicarius rufipectus</i> (15/4/1995 16:00h, Cana, Darien, Panama, 07.50N,77.40W) © Peter Boesman
1722 4	Rufous-breasted Anthrush 4 Song	0:38 <i>Fornicarius rufipectus</i> (27/12/1996 07:00h, Matamula area, Tachira, Venezuela, 07.42N,72.26W) © Peter Boesman.
1723 1	Short-tailed Anthrush 1 Song	1:48 <i>Chamaeza campanisona</i> (6/8/2002 17:30h, Cerro Montalban, Carabobo, Venezuela, 10.15N,68.21W) © Peter Boesman.
1723 2	Short-tailed Anthrush 2 Song	1:39 <i>Chamaeza campanisona</i> (4/6/1995 07:30h, Palmichal area, Carabobo, Venezuela, 10.21N,68.12W) © Peter Boesman.
1723 3	Short-tailed Anthrush 3 Song	1:19 <i>Chamaeza campanisona</i> (February 2009, Yacambu NP, Lara, Venezuela) © Hans Matheve.
1723 4	Short-tailed Anthrush 4 Call	0:37 <i>Chamaeza campanisona</i> (13/8/2000 08:00h, Palmichal area, Carabobo, Venezuela, 10.21N,68.12W) © Peter Boesman
1723 5	Short-tailed Anthrush 5 Call	0:51 <i>Chamaeza campanisona</i> (6/8/2004 17:45h, Intervalles National Park, Sao Paulo, Brazil, 24.20S,48.25W) © Peter Boesman.
1723 6	Short-tailed Anthrush 6 Call series	0:08 <i>Chamaeza campanisona</i> (22/7/2003 18:30h, Palmichal area, Carabobo, Venezuela, 10.21N,68.12W) © Peter Boesman
1723 7	Short-tailed Anthrush 7 Call series	0:02 <i>Chamaeza campanisona</i> (6/8/2004 09:45h, Intervalles National Park, Sao Paulo, Brazil, 24.20S,48.25W) © Peter Boesman.
1724 1	Striated Anthrush 1 Song	0:41 <i>Chamaeza nobilis</i> (23/12/1992 09:00h, La Selva lodge, Napo, Ecuador, 00.30S,76.30W) © Peter Boesman.
1724 2	Striated Anthrush 2 Call	0:11 <i>Chamaeza nobilis</i> (25/12/1992 , La Selva lodge, Napo, Ecuador, 00.30S,76.30W) © Peter Boesman.
1726 1	Schwartz's Anthrush 1 Song	0:43 <i>Chamaeza turdina</i> (19/3/1993, Rancho Grande area, Aragua, Venezuela, 10.21N,67.42W) © Peter Boesman.
1726 2	Schwartz's Anthrush 2 Song	1:14 <i>Chamaeza turdina</i> (26/3/1995 07:00h, Rancho Grande area, Aragua, Venezuela, 10.21N,67.42W) © Peter Boesman.
1726 3	Schwartz's Anthrush 3 Long call	0:14 <i>Chamaeza turdina</i> (19/3/1993 , Rancho Grande area, Aragua, Venezuela, 10.21N,67.42W) © Peter Boesman.
1726 4	Schwartz's Anthrush 4 Call	0:18 <i>Chamaeza turdina</i> (26/3/1995 07:00h, Rancho Grande area, Aragua, Venezuela, 10.21N,67.42W) © Peter Boesman.
1726 5	Schwartz's Anthrush 5 Call	0:31 <i>Chamaeza turdina</i> (March 2009, Henri Pittier NP, Aragua, Venezuela, 10.21N,67.42W) © Hans Matheve.
1728 1	Barred Anthrush 1 Song	0:49 <i>Chamaeza mollissima mollissima</i> . Parque Nacional Podocarpus, sector Rio San Francisco, Zamora-Chinchipec, Ecuador, 2080m, 08:15h, 30-01-2003, S3.59'15" W79.5'37", song. Response to playback. © Nick Athanas.
1728 2	Barred Anthrush 2 Song ()	0:13 <i>Chamaeza mollissima</i> (30/12/2007 07:20h, Abra Patricia road, San Martin, Peru, 05.50S,77.46W) © Peter Boesman.
1729 1	Tawny-throated Leafosser 1 Song	1:31 <i>Sclerurus mexicanus</i> (11/1/2005 06:45h, Carajás, Aguas Claras area, Pará, Brazil, 06.00S,50.30W) © Peter Boesman
1729 2	Tawny-throated Leafosser 2 Song	2:18 <i>Sclerurus mexicanus</i> (22/7/2009 17:30h, Amazon Manu Lodge, Madre de Dios, Peru, 12.18S,70.48W) © Peter Boesman
1729 3	Tawny-throated Leafosser 3 Song variant	0:29 <i>Sclerurus mexicanus</i> (28/2/1995 09:00h, San Isidro area, Barinas, Venezuela, 08.52N,70.36W) © Peter Boesman
1729 4	Tawny-throated Leafosser 4 Song variant	0:36 <i>Sclerurus mexicanus</i> (1st January 2010 14h30. P.N. Tamatá, Montezuma trail, near Pueblo Rico, Risaralda, Colombia, 1600m, 5°14'3"N 76° 5'21"W!). © Peter Boesman.
1729 5	Tawny-throated Leafosser 5 Call	0:20 <i>Sclerurus mexicanus</i> (28/2/1995 08:00h, San Isidro area, Barinas, Venezuela, 08.52N,70.36W) © Peter Boesman
1729 6	Tawny-throated Leafosser 6 Call	0:12 <i>Sclerurus mexicanus</i> . (Mont Itoupé, French Guiana, 850m, 03-10-2010). Call, in response to playback. © Alexandre Renaudier.
1729 7	Tawny-throated Leafosser 7 Call	0:08 <i>Sclerurus mexicanus</i> (17/1/2005 10:00h, Carajás, Salobo area, Pará, Brazil, 05.55S,50.30W) © Peter Boesman
1730 1	Short-billed Leafosser 1 Song	0:18 <i>Sclerurus rufigularis</i> (Sacha Lodge, Napo, Ecuador, 00.32S,76.23W) © John Moore
1730 2	Short-billed Leafosser 2 Song	0:27 <i>Sclerurus rufigularis</i> . (24-04-2001 06:20h, Sacha Lodge, Rio Napo, Orellana, Ecuador, 250m, S0.32° W76.23°). Certainty 99%, bird not seen. (background:Violaceous Jay, White-throated Toucan, Yellow-rumped Cacique, Plain-winged Antshrike © Nick Athanas.

1730 3 Short-billed Leafosser 3 Call
1730 4 Short-billed Leafosser 4 Call
1730 5 Short-billed Leafosser 5 Call
1731 1 Scaly-throated Leafosser 1 song
1731 1 Scaly-throated Foliage-gleaner 1 song
1731 2 Scaly-throated Foliage-gleaner 2 song
1731 2 Scaly-throated Foliage-gleaner 2 song
1731 3 Scaly-throated Foliage-gleaner 3 Song
1731 4 Scaly-throated Foliage-gleaner 4 call
1731 5 Scaly-throated Foliage-gleaner 5 call
1731 6 Scaly-throated Foliage-gleaner 6 call
1732 1 Black-tailed Leafosser 1 Song
1732 2 Black-tailed Leafosser 2 Song
1732 3 Black-tailed Leafosser 3 Song
1732 4 Black-tailed Leafosser 4 Song
1732 5 Black-tailed Leafosser 5 Song
1732 6 Black-tailed Leafosser 6 Call
1732 7 Black-tailed Leafosser 7 Call
1733 1 Gray-throated Leafosser 1 Song
1733 2 Gray-throated Leafosser 2 Song
1733 3 Gray-throated Leafosser 3 Excited song
1733 4 Gray-throated Leafosser 4 Excited song
1733 5 Gray-throated Leafosser 5 Call
1733 6 Gray-throated Leafosser 6 Call
1733 7 Gray-throated Leafosser 7 Call
1733 8 Gray-throated Leafosser 8 Chatter
1759 1 Chestnut-winged Cinclodes 1 Song
1759 2 Chestnut-winged Cinclodes 2 Song
1763 1 Stout-billed Cinclodes 1 Song
1763 2 Stout-billed Cinclodes 2 Song
1763 3 Stout-billed Cinclodes 3 Call
1772 1 Pale-legged Hornero 1 Song
1773 1 Pale-billed Hornero 1 Song
1773 2 Pale-billed Hornero 2 Call QQ
1774 1 Lesser Hornero 1 Song
1774 2 Lesser Hornero 2 Song
1774 3 Lesser Hornero 3 Song
1774 4 Lesser Hornero 4 Call
1790 1 Andean Tit-Spintail 1 Song
1790 2 Andean Tit-Spintail 2 Song
1790 3 Andean Tit-Spintail 3 Interaction calls
1790 4 Andean Tit-Spintail 4 Calls
1790 5 Andean Tit-Spintail 5 Call
1790 6 Andean Tit-Spintail 6 Call
1799 1 Silvery-throated Spintail 1 Song
1799 2 Silvery-throated Spintail 2 Song
1799 3 Silvery-throated Spintail 3 Song
1799 4 Silvery-throated Spintail 4 Song
1801 1 Azara's Spintail 1 Song
1801 2 Azara's Spintail 2 Song
1801 3 Azara's Spintail 3 Song
1801 4 Azara's Spintail 4 Call
1801 5 Azara's Spintail 5 Call
1801 6 Azara's Spintail 6 Chatter
1803 1 Pale-breasted Spintail 1 Song
1803 2 Pale-breasted Spintail 2 Song
1803 3 Pale-breasted Spintail 3 Song
1803 4 Pale-breasted Spintail 4 Song
1803 5 Pale-breasted Spintail 5 Song
1803 6 Pale-breasted Spintail 6 Song
1805 1 Dark-breasted Spintail 1 Song
1805 2 Dark-breasted Spintail 2 Song
1805 3 Dark-breasted Spintail 3 Call

0:11 Sclerurus rufigularis (Yuturi Lodge, Sucumbios, Ecuador, 00.34S,76.01W) © John Moore
0:24 Sclerurus rufigularis fulvigularis. (Reserve Naturelle de la Trinite, French Guiana, 120m, 19-10-2009). Call, after playback. © Alexandre Renaudier.
0:35 Sclerurus rufigularis rufigularis. (Cristalino Jungle Lodge, MT, Brazil, 250m, 17-40h, 09-09-2009, S9.35°53' W55.55°55"). © Andrew Spencer.
0:33 Sclerurus guatemalensis (Chan Chich Lodge, Belize) © John Moore
0:18 Anabacerthia variegaticeps (16/4/2003 11:00h, Valle Nacional road, Oaxaca, Mexico, 17.40N,96.20W) © Peter Boesman
0:29 Sclerurus guatemalensis. (Pipeline Road, Colon Province, Panama, 100m, 8:30h, 25-07-2007). © Ken Allaire.
0:53 Anabacerthia variegaticeps. (17th March 2010 08h20, Tapanti NP, 1200m elev., Cartago, Costa Rica). (Background: Bananaquit, Common Bush Tanager). © Peter Boesman.
0:05 Anabacerthia variegaticeps. El 18, Valle del Cauca, Colombia, 07:50h, 17-07-2008. © Andrew Spencer.
0:19 Anabacerthia variegaticeps (16/4/2003 08:45h, Valle Nacional road, Oaxaca, Mexico, 17.40N,96.20W) © Peter Boesman
0:15 Anabacerthia variegaticeps (23/2/2006 15:00h, Milpe reserve, Pichincha, Ecuador, 00.00N,78.45W) © Peter Boesman
0:28 Anabacerthia variegaticeps (10/2/2003, Valle Nacional road, Oaxaca, Mexico, 17.40N,96.20W) © Mark Van Beirs
0:22 Sclerurus caudacutus (La Selva Lodge, Napo, Ecuador, 00.30S,76.30W) © John Moore
0:07 Sclerurus caudacutus (25/12/1992, La Selva lodge, Napo, Ecuador, 00.30S,76.30W) © Peter Boesman
0:27 Sclerurus caudacutus. (22-09-2003 07:15h, Sacha Lodge, Rio Napo, Orellana, Ecuador, 250m). Response to playback. © Nick Athanas.
2:23 Sclerurus caudacutus pallidus. (Cristalino Jungle Lodge, MT, Brazil, 250m, 17:20h, 05-10-2009, S9.35°53' W55.55°55"). © Andrew Spencer.
0:58 Sclerurus caudacutus pallidus. (Cristalino Jungle Lodge, MT, Brazil, 250m, 17:20h, 05-10-2009, S9.35°53' W55.55°55"). © Andrew Spencer.
0:31 Sclerurus caudacutus. (Mont Itoupé, French Guiana, 570m, 09-10-2010). © Alexandre Renaudier.
0:31 Sclerurus caudacutus pallidus. (Cristalino Jungle Lodge, MT, Brazil, 250m, 17:20h, 05-10-2009, S9.35°53' W55.55°55"). © Andrew Spencer.
1:40 Sclerurus albigularis (24/7/2007 17:00h, Palmichal area, Carabobo, Venezuela, 10.21N,68.12W) © Peter Boesman
0:35 Sclerurus albigularis (25/3/1995 17:00h, Rancho Grande area, Aragua, Venezuela, 10.21N,67.42W) © Peter Boesman.
0:35 Sclerurus albigularis propinquus. RNA El Dorado, Sierra de Santa Marta, Magdalena, Colombia, 1960m, 06:19h, 10-02-2007, N11.6°28' W74.2°55', also: Masked Trogon, Lined Quail-Dove, White-tipped Quetzal. © Nick Athanas.
0:55 Sclerurus albigularis (15/8/2007 17:00h, Nirgua area, San Felipe, Venezuela, 10.15N,68.30W) © Peter Boesman
0:09 Sclerurus albigularis (19/3/1993, Rancho Grande area, Aragua, Venezuela, 10.21N,67.42W) © Peter Boesman
0:12 Sclerurus albigularis (March 2009, Rancho Grande area, Aragua, Venezuela, 10.21N,67.42W). © Hans Matheve.
0:16 Sclerurus albigularis (March 2009, Cerro Humo, Paria, Venezuela, 10.21N,67.42W). © Hans Matheve.
0:04 Sclerurus albigularis (19/3/1993, Rancho Grande area, Aragua, Venezuela, 10.21N,67.42W) © Peter Boesman
0:06 Cinclodes fuscus (9/8/2007 8h00 Pico Aguila area, Merida, Venezuela) © Peter Boesman
0:30 Cinclodes fuscus. Parque Natural Sumapaz, Laguna de Chisaca, Colombia, 3800m, 08:00h, 15-08-2011, songs © Oswaldo Cortes.
0:08 Cinclodes excelsior excelsior. Papallacta Pass, Napo, Ecuador, 3800m, 11:30h, 30-06-2010, S0.19°56' W78.12°11", Song given during wing-lift display © Andrew Spencer.
0:05 Cinclodes excelsior (28th December 2009 17h30. Nevada del Ruiz, Caldas, Colombia 4°54'N, 75°19'W). © Peter Boesman.
0:14 Cinclodes excelsior excelsior. Papallacta Pass, Napo, Ecuador, 3800m, 11:30h, 30-06-2010, S0.19°56' W78.12°11", calls © Andrew Spencer.
0:09 Furnarius leucopus (10/8/2002 08:00h, Canoabo area, Carabobo, Venezuela, 10.20N,68.18W) © Peter Boesman
0:21 Furnarius torridus. (January 1997. between Iquitos and mouth of Rio Napo, Loreto, Peru. 100m. approx. 03.36S, 73.09W). After playback. Recording edited. John V. Moore.
0:35 Furnarius torridus. (29th July 2010 6h30, Padre Island near Cumaceba lodge, Loreto, Peru, 3°38' S, 73°08' W). © Peter Boesman.
0:12 Furnarius minor. (30-01-2006 09:45h, Ilha Marchantaria, south of Manaus, Brazil, 20m, S3.13°30' W59.55°54"). Background: Dark-breasted Spintail). © Nick Athanas.
0:31 Furnarius minor. (26th July 2010 15h30, Islands near Explornapo, Loreto, Peru, 120 m. 3°10' S, 72°55' W). © Peter Boesman.
0:12 Furnarius minor. (26th July 2010 15h30, Islands near Explornapo, Loreto, Peru, 120 m. 3°10' S, 72°55' W). © Peter Boesman.
0:12 Furnarius minor. (Ilha Marchantaria, south of Manaus, Brazil, 20m, 09:00h, 30-01-2006, S3.13°30' W59.55°54"). (Background: Dark-breasted Spintail). © Nick Athanas
0:25 Leptasthenura andicola. (October 2000. Hacienda Yanahurco, Cotopaxi, Ecuador. 3600m). Song at dawn. John V. Moore.
0:13 Leptasthenura andicola (28th December 2009 17h30. Nevada del Ruiz, Caldas, Colombia 4°54'N, 75°19'W). © Peter Boesman.
0:36 Leptasthenura andicola (8th January 2010 7h00. Paramo Soata-Belen, Boyaca, Colombia). © Peter Boesman.
0:50 Leptasthenura andicola (10th February 2011 6h00. Nevada del Ruiz, Caldas, Colombia 4°54'N, 75°19'W). © Peter Boesman.
0:16 Leptasthenura andicola (18/4/1997 10:00h, Laguna Mucubaji area, Merida, Venezuela, 08.48N,70.49W) © Peter Boesman
0:29 Leptasthenura andicola (28th December 2009 17h30. Nevada del Ruiz, Caldas, Colombia 4°54'N, 75°19'W). © Peter Boesman.
0:08 Synallaxis subpudica (7th January 2010 11h30. Onzaga road near Soata, Boyaca, Colombia, 6°20'11"N 72°44'11"W). © Peter Boesman.
0:04 Synallaxis subpudica (7th January 2010 12h30. Onzaga road near Soata, Boyaca, Colombia, 6°20'11"N 72°44'11"W). © Peter Boesman.
0:06 Synallaxis subpudica. Parque Nacional Natural Chingaza, Cundinamarca, Colombia, 3000m, 06:40h, 06-06-2011, N4.44°49' W73.51°21', song, natural vocalization © Andrew Spencer.
0:10 Synallaxis subpudica. Humedal de Cordoba, Bogota, Cundinamarca, Colombia, 2600m, 10:15h, 10-08-2007, Song © Bernabe Lopez-Lanus.
0:19 Synallaxis azarae media. RNA Las Tangaras, Choco, Colombia, 1800m, 07:00h, 26-06-2011, N5.43°44' W76.14°38', song, natural vocalization © Andrew Spencer.
0:25 Synallaxis azarae (30th December 2009 7h00. R.N. Rio Blanco, Caldas, Colombia, 2600m, 5°5' N 75°30'W). © Peter Boesman.
0:19 Synallaxis azarae (February 2009. La Azulita road, Merida, Venezuela). © Hans Matheve.
0:43 Synallaxis azarae (4/1/2008 13:45h, Abra Patricia road, San Martin, Peru, 05.50S,77.46W) © Peter Boesman
0:31 Synallaxis azarae (29/12/2007 08:45h, Abra Patricia road, San Martin, Peru, 05.50S,77.46W) © Peter Boesman
0:06 Synallaxis azarae (5/1/2008 07:00h, Abra Patricia road, San Martin, Peru, 05.50S,77.46W) © Peter Boesman
0:52 Synallaxis albescens (22/7/2003 18:30h, Palmichal area, Carabobo, Venezuela, 10.21N,68.12W) © Peter Boesman
0:51 Synallaxis albescens insignis. Laguna de Pedro Palo, Cundinamarca, Colombia, 2000m, 12:40h, 05-06-2011, N4.41°0' W74.23°0", song, natural vocalization © Andrew Spencer.
0:26 Synallaxis albescens (16/8/2007 08:00h, Nirgua area, San Felipe, Venezuela, 10.15N,68.30W) © Peter Boesman.
0:14 Synallaxis albescens (19/10/1994 07:45h, Boca de Macareo, Delta Amac, Venezuela, 09.04N,62.03W) © Peter Boesman.
0:17 Synallaxis albescens (28th December 2009 9h00. La Victoria, Cundinamarca, Colombia, 5°19'55 N 74°55'12"W). © Peter Boesman.
0:40 Synallaxis albescens (29/7/2002 05:30h, Gran Sabana northern side, Bolivar, Venezuela, 05.40N,61.20W) © Peter Boesman.
0:24 Synallaxis albigularis (30th July 2010 6h45, Padre Island near Cumaceba lodge, Loreto, Peru, 3°38' S, 73°08' W). © Peter Boesman.
0:03 Synallaxis albigularis (15/2/2006 11:00h, Sumaco road, Napo, Ecuador, 00.45S,77.35W) © Peter Boesman
0:34 Synallaxis albigularis (31/12/2007 10:20h, Abra Patricia road, San Martin, Peru, 05.50S,77.46W) © Peter Boesman

1808 1	Ruddy Spinetail 1 Song	0:23 <i>Synallaxis rutilans</i> (11/11/1993 , Junglaven area, Amazonas, Venezuela, 05.00N,66.23W) © Peter Boesman
1808 2	Ruddy Spinetail 2 Song	0:53 <i>Synallaxis rutilans</i> (20/1/2005 14:00h, Carajás, Aguas Claras area, Pará, Brazil, 06.00S,50.30W) © Peter Boesman
1808 3	Ruddy Spinetail 3 Song	0:38 <i>Synallaxis rutilans</i> (23/7/2005 17:00h, Alta Floresta area, Mato Grosso, Brazil, 09.54S,55.54W) © Peter Boesman
1808 4	Ruddy Spinetail 4 Song	0:33 <i>Synallaxis rutilans</i> . (12-05-2008 10:29h, Tierra Blanca, Loreto, Peru, 150m, S4.16°56' W77.14°26"). Attending an antswarm (small ants, not army ants). (background: White-masked Antbird, Bicolored Antbird, Double-banded Pygmy-Tyrant). © Nick Athanas.
1808 5	Ruddy Spinetail 5 Song and call	0:50 <i>Synallaxis rutilans</i> . (20th July 2010 7h15, Allpahuayo - Mishana Reserve, Loreto, Peru, 120m, S3.50°0' W73.15°0"). Two birds. © Peter Boesman.
1808 6	Ruddy Spinetail 6 Call	0:10 <i>Synallaxis rutilans</i> (20th July 2010 7h15, Allpahuayo - Mishana Reserve, Loreto, Peru, 120m, S3.50°0' W73.15°0"). © Peter Boesman.
1808 7	Ruddy Spinetail 7 Call	0:43 <i>Synallaxis rutilans</i> (20th July 2010 6h15, Allpahuayo - Mishana Reserve, Loreto, Peru, 120m, S3.50°0' W73.15°0"). (Background: Yellow-browed Antbird). © Peter Boesman.
1808 8	Ruddy Spinetail 8 Call	0:19 <i>Synallaxis rutilans</i> (11/11/1993 , Junglaven area, Amazonas, Venezuela, 05.00N,66.23W) © Peter Boesman
1809 1	Chestnut-throated Spinetail 1 Song	0:25 <i>Synallaxis cherriei</i> (23/7/2009 08:30h, Amazon Manu Lodge, Madre de Dios, Peru, 12.18S,70.48W) © Peter Boesman
1809 2	Chestnut-throated Spinetail 2 Song excited	1:23 <i>Synallaxis cherriei</i> (14/1/2005 09:45h, Carajás, Salobo area, Pará, Brazil, 05.55S,50.30W) © Peter Boesman
1809 3	Chestnut-throated Spinetail 3 Alternate Song	0:53 <i>Synallaxis cherriei</i> (20/1/2005, Carajás, Aguas Claras area, Pará, Brazil, 06.00S,50.30W) © Peter Boesman
1809 4	Chestnut-throated Spinetail 4 Call	1:09 <i>Synallaxis cherriei</i> (14/1/2005 09:30h, Carajás, Salobo area, Pará, Brazil, 05.55S,50.30W) © Peter Boesman
1810 1	Rufous Spinetail 1 Song	0:39 <i>Synallaxis unirufa</i> (29/12/1997 07:30h, Guaramacal NP, Trujillo, Venezuela, 09.10N,70.11W) © Peter Boesman
1810 2	Rufous Spinetail 2 Call and song	0:15 <i>Synallaxis unirufa</i> (29/12/1997 08:00h, Guaramacal NP, Trujillo, Venezuela, 09.10N,70.11W) © Peter Boesman
1810 3	Rufous Spinetail 3 Song	0:26 <i>Synallaxis unirufa</i> (February 2009, Pico Humboldt trail, Merida, Venezuela) © Hans Matheve.
1810 4	Rufous Spinetail 4 Song	1:00 <i>Synallaxis unirufa unirufa</i> . R.N. Rio Blanco, Caldas, Colombia, 2600m, 07:40h, 20-07-2008, N5.5°0' W75.30°0', song © Andrew Spencer.
1810 5	Rufous Spinetail 5 Call	0:53 <i>Synallaxis unirufa</i> (6th February 2011 7h30, Jardín, Antioquia, Colombia 6° 58' 03" N, 75° 31' 38" W). (Back-ground: Spillman's Tapaculo). © Peter Boesman.
1812 1	Rusty-headed Spinetail 1 Song	0:38 <i>Synallaxis fusciorufa</i> (3/1/1994 06:15h, Santa Marta Lorenzo road, Magdalena, Colombia, 11.00N,73.40W) © Peter Boesman.
1812 2	Rusty-headed Spinetail 2 Song	1:00 <i>Synallaxis fusciorufa</i> (3/1/1994 06:45h, Santa Marta Lorenzo road, Magdalena, Colombia, 11.00N,73.40W) © Peter Boesman.
1812 3	Rusty-headed Spinetail 3 Song	0:27 <i>Synallaxis fusciorufa</i> . RNA El Dorado, Sierra de Santa Marta, Magdalena, Colombia, 1950m, 18:06h, 09-02-2007, N11.6°28' W74.2°55', song, also: Black-hooded Thrush, Rufous-collared Sparrow © Nick Athanas.
1813 1	Slaty Spinetail 1 Song	0:15 <i>Synallaxis brachyura</i> (22/12/1993 , Piñas, El Oro, Ecuador, 03.40S,79.40W) © Peter Boesman
1813 2	Slaty Spinetail 2 Song	0:17 <i>Synallaxis brachyura</i> (26/11/1995 , Chiriqui Grande, Bocas del Toro, Panama,) © Dodge Engleman
1813 3	Slaty Spinetail 3 Song	0:27 <i>Synallaxis brachyura</i> (12th February 2011 7h00, Clarita Botero near Ibaqué, Tolima, Colombia). © Peter Boesman.
1813 4	Slaty Spinetail 4 Song	0:15 <i>Synallaxis brachyura</i> (2nd January 2010 6h20, P.N. Tatamá, Montezuma trail, near Pueblo Rico, Risaralda, Colombia, 1600m, 5°14'3"N 76° 52'1"W). © Peter Boesman.
1813 5	Slaty Spinetail 5 Call and song	1:29 <i>Synallaxis brachyura caucae</i> . Darien, Valle del Cauca, Colombia, 1600m, 09:50h, 21-06-2010, N3.56°2' W76.29°38", song and calls © Andrew Spencer.
1815 1	White-bellied Spinetail 1 Song	0:08 <i>Synallaxis propinqua</i> . (25th July 2010 17h45, Island near Explornapo, Loreto, Peru, 120 m. 3°10' S, 72°55' W). © Peter Boesman.
1815 2	White-bellied Spinetail 2 Call and song	0:14 <i>Synallaxis propinqua</i> . (22-02-2002 10:15h, On river island in Rio Napo. ExplorNapo Lodge, Loreto, Peru. 120 m. 3°10' S, 72°55' W). (background: Blue Ground-Dove). Second part after playback. Ramiro and Virgilio Yabar.
1815 3	White-bellied Spinetail 3 Call	0:09 <i>Synallaxis propinqua</i> . (30-01-2006 08:00h, Ilha Marchantaria, south of Manaus, Brazil, 20m, S3.13°30' W59.55°54"). © Nick Athanas.
1815 4	White-bellied Spinetail 4 Call	0:21 <i>Synallaxis propinqua</i> . (25th July 2010 17h45, Island near Explornapo, Loreto, Peru, 120 m. 3°10' S, 72°55' W). © Peter Boesman.
1817 1	Dusky Spinetail 1 Song	0:46 <i>Synallaxis moesta</i> (15/2/2006 16:00h, Ministerio road, Napo, Ecuador, 01.00S,77.30W) © Peter Boesman.
1817 2	Dusky Spinetail 2 Song	0:58 <i>Synallaxis moesta</i> (15/2/2006 13:00h, Ministerio road, Napo, Ecuador, 01.00S,77.30W) © Peter Boesman.
1817 3	Dusky Spinetail 3 Song	0:13 <i>Synallaxis moesta</i> (23/12/1992 , La Selva lodge, Napo, Ecuador, 00.30S,76.30W) © Peter Boesman.
1820 1	Plain-crowned Spinetail 1 Song	0:58 <i>Synallaxis gujanensis</i> (3/8/2003 08:30h, Tucupita area, Delta Amac, Venezuela, 09.08N,62.04W) © Peter Boesman
1820 2	Plain-crowned Spinetail 2 Song	0:21 <i>Synallaxis gujanensis</i> (23/7/2002 10:00h, Rio Grande area, Bolivar, Venezuela, 08.03N,61.40W) © Peter Boesman.
1820 3	Plain-crowned Spinetail 3 Song	0:27 <i>Synallaxis gujanensis</i> (30/6/1994 11:00h, Rio Grande area, Bolivar, Venezuela, 08.03N,61.40W) © Peter Boesman.
1823 1	White-whiskered Spinetail 1 Song	0:26 <i>Poecilurus candei</i> (6/8/2000 08:00h, Quibor - Sanare road, Lara, Venezuela, 09.48N,69.36W) © Peter Boesman
1823 2	White-whiskered Spinetail 2 Song	0:18 <i>Poecilurus candei</i> (6/8/2000 08:00h, Quibor - Sanare road, Lara, Venezuela, 09.48N,69.36W) © Peter Boesman.
1823 3	White-whiskered Spinetail 3 Song	0:33 <i>Synallaxis candei venezuelensis</i> . Sabana Grande (aprox 20 km al W de la ciudad de Riohacha), Municipio Riohacha, La Guajira, Colombia, 3m, amh, 01-11-2000, Song © Bernabe Lopez-Lanus.
1823 4	White-whiskered Spinetail 4 Call	0:22 <i>Poecilurus candei</i> (22/7/2000 09:00h, Guadeloupe area, Lara, Venezuela, 10.02N,69.40W) © Peter Boesman.
1823 4	White-whiskered Spinetail 4 Long song	0:06 <i>Poecilurus candei</i> (6/8/2000 08:00h, Quibor - Sanare road, Lara, Venezuela, 09.48N,69.36W) © Peter Boesman.
1823 6	White-whiskered Spinetail 6 Call	0:15 <i>Poecilurus candei</i> (22/7/2000 09:00h, Guadeloupe area, Lara, Venezuela, 10.02N,69.40W) © Peter Boesman.
1825 1	Stripe-breasted Spinetail 1 Song	0:16 <i>Synallaxis cinnamomea</i> (30/4/1995 09:00h, Serrania de San Luis, Falcon, Venezuela, 11.12N,69.42W) © Peter Boesman.
1825 2	Stripe-breasted Spinetail 2 Song	0:07 <i>Synallaxis cinnamomea</i> (19/7/1997 07:00h, Turgua area, Aragua, Venezuela, 10.25N,66.48W) © Peter Boesman.
1825 3	Stripe-breasted Spinetail 3 Song	0:44 <i>Synallaxis cinnamomea</i> . RNA Hormiguero de Torcoroma, Ocaña, Norte de Santander, Colombia, 1600m, 10:30h, 03-08-2008, N8.12°11' W73.22°47", song © Andrew Spencer.
1825 4	Stripe-breasted Spinetail 4 Long song	0:48 <i>Synallaxis cinnamomea</i> (9/8/2002 06:00h, Cerro de Paja, Carabobo, Venezuela, 10.18N,68.15W) © Peter Boesman.
1825 5	Stripe-breasted Spinetail 5 Long song	0:06 <i>Synallaxis cinnamomea</i> (26/7/2000 06:00h, Finca Monteverde at Olinda II, Merida, Venezuela, 08.45N,71.28W) © Peter Boesman.
1825 6	Stripe-breasted Spinetail 6 Long song and song	0:30 <i>Synallaxis cinnamomea</i> (27/7/2000 06:00h, Finca Monteverde at Olinda II, Merida, Venezuela, 08.45N,71.28W) © Peter Boesman.
1825 7	Stripe-breasted Spinetail 7 Call	0:12 <i>Synallaxis cinnamomea</i> (2/8/2003 07:30h, Hacienda San Fernando, Caripe., Monagas, Venezuela, 10.11N,63.30W) © Peter Boesman.
1825 8	Stripe-breasted Spinetail 8 Call	0:16 <i>Synallaxis cinnamomea</i> (6/5/1997 08:00h, Montalban La Rosa Mountains, Carabobo, Venezuela, 10.15N,68.18W) © Peter Boesman.
1825 9	Stripe-breasted Spinetail 9 Call	0:21 <i>Synallaxis cinnamomea</i> (4/6/1995 10:30h, Palmichal area, Carabobo, Venezuela, 10.21N,68.12W) © Peter Boesman.
1830 1	White-browed Spinetail 1 Song	0:39 <i>Hellmayrea gularis</i> (30/12/1997 07:00h, Guaramacal NP, Trujillo, Venezuela, 09.10N,70.11W) © Peter Boesman.
1830 2	White-browed Spinetail 2 Song	0:35 <i>Hellmayrea gularis</i> (19/12/1996 06:00h, Páramo del Zumbador, Tachira, Venezuela, 08.00N,72.00W) © Peter Boesman.
1830 3	White-browed Spinetail 3 Call and song	0:19 <i>Hellmayrea gularis</i> (17/12/1996 09:00h, Páramo del Zumbador, Tachira, Venezuela, 08.00N,72.00W) © Peter Boesman.
1833 1	Rusty-backed Spinetail 1 Song	0:13 <i>Cranioleuca vulpina</i> (28/3/1997 09:30h, Orinoco river islands, Amazonas, Venezuela, 05.24N,67.46W) © Peter Boesman
1833 2	Rusty-backed Spinetail 2 Song	0:46 <i>Cranioleuca vulpina</i> (4/8/2003 06:00h, Boca de Macareo, Delta Amac, Venezuela, 09.04N,62.03W) © Peter Boesman
1833 3	Rusty-backed Spinetail 3 Song	0:09 <i>Cranioleuca vulpina</i> (10/7/2003 , Pantanal, Mato Grosso del Sul, Brazil, 16.30S,56.40W) © Mark Van Beirs
1833 4	Rusty-backed Spinetail 4 Song	0:20 <i>Cranioleuca vulpina</i> (February 2009, Halo El Cedral, Apure, Venezuela) © Hans Matheve
1833 5	Rusty-backed Spinetail 5 Call	0:18 <i>Cranioleuca vulpina</i> (10/7/2003 , Pantanal, Mato Grosso del Sul, Brazil, 16.30S,56.40W) © Mark Van Beirs
1836 1	Crested Spinetail 1 Song	0:26 <i>Cranioleuca subcristata</i> (4/7/1996 10:00h, Yacambu NP, Lara, Venezuela, 09.43N,69.35W) © Peter Boesman
1836 2	Crested Spinetail 2 Song	0:28 <i>Cranioleuca subcristata</i> (23/7/2003 06:30h, Casa Maria, Carabobo, Venezuela, 10.19N,68.15W) © Peter Boesman.
1836 3	Crested Spinetail 3 Song	0:17 <i>Cranioleuca subcristata</i> (22/7/2003 06:00h, Casa Maria, Carabobo, Venezuela, 10.19N,68.15W) © Peter Boesman.
1836 4	Crested Spinetail 4 Song	0:25 <i>Cranioleuca subcristata</i> (February 2009, San Isidro rd, Barinas Venezuela) © Hans Matheve
1836 5	Crested Spinetail 5 Call	0:17 <i>Cranioleuca subcristata</i> (15/5/1993 , Yacambu NP, Lara, Venezuela, 09.43N,69.35W) © Peter Boesman.

1843 1 Red-faced Spinetail 1 Calls and song 0:22 *Cranioleuca erythrops* (1st January 2010 10h30. P.N. Tatamá, Montezuma trail, near Pueblo Rico, Risaralda, Colombia, 1600m, 5°14'3"N 76° 5'21"W). © Peter Boesman.

1843 2 Red-faced Spinetail 2 Song 0:13 *Cranioleuca erythrops* (31st December 2009 10h00. P.N. Tatamá, Montezuma trail, near Pueblo Rico, Risaralda, Colombia, 1600m, 5°14'3"N 76° 5'21"W). © Peter Boesman.

1843 3 Red-faced Spinetail 3 Song 0:14 *Cranioleuca erythrops* (23/2/2006 16:30h, Milpe reserve, Pichincha, Ecuador, 00.00N,78.45W) © Peter Boesman

1843 4 Red-faced Spinetail 4 Song 0:27 *Cranioleuca erythrops*. El 18, Valle del Cauca, Colombia, 11:50h, 17-07-2008, song © Andrew Spencer.

1843 5 Red-faced Spinetail 5 Song 0:25 *Cranioleuca erythrops*. El 18, Valle del Cauca, Colombia, ?m, 10:40h, 17-07-2008, Calls from a pair in response to playback of their song © Andrew Spencer.

1843 6 Red-faced Spinetail 6 Call 0:08 *Cranioleuca erythrops* (29/11/1995 , Volcan Baru, Chiriquí, Panama,) © Dodge Engleman

1845 1 Streak-capped Spinetail 1 Song 0:16 *Cranioleuca hellmayri* (3/1/1994 06:00h, Santa Marta Lorenzo road, Magdalena, Colombia, 11.00N,73.40W) © Peter Boesman.

1845 2 Streak-capped Spinetail 2 Song 0:38 *Cranioleuca hellmayri*. Sierra Nevada de Santa Marta; above San Lorenzo, Colombia, N11.5'59" W74.5'59", song, © Frank Lambert.

1846 1 Ash-browed Spinetail 1 Song 1:09 *Cranioleuca curtata* (31st January 2011 10h30. RNA Reinita Cielo Azul, San Vicente de Chucuri, Santander, Colombia, 1900m, N.50'47" N, 73.22'30" W), © Peter Boesman.

1846 2 Ash-browed Spinetail 2 Song 0:34 *Cranioleuca curtata* (31/7/2009 06:15h, Manu Andean Slope, Cuzco, Peru, 13.10S,71.30W) © Peter Boesman.

1846 3 Ash-browed Spinetail 3 Song 0:14 *Cranioleuca curtata* (31/12/2007 12:45h, Abra Patricia road, San Martín, Peru, 05.50S,77.46W) © Peter Boesman.

1849 1 Speckled Spinetail 1 Song 0:23 *Cranioleuca gutturata* (21/11/2006 11:20h, Carajás area, Pará, Brazil, 06.10S,50.21W) © Nick Athanas

1849 2 Speckled Spinetail 2 Song 0:41 *Cranioleuca gutturata* (28/7/2009 07:00h, Pantiacolla Lodge, Madre de Dios, Peru, 12.39S,71.14W) © Peter Boesman

1849 3 Speckled Spinetail 3 Song 0:46 *Cranioleuca gutturata* (28/7/2009 09:00h, Pantiacolla Lodge, Madre de Dios, Peru, 12.39S,71.14W) © Peter Boesman

1851 1 Yellow-chinned Spinetail 1 Song 0:53 *Certhiaxis cinnamomea* (29/7/2003 07:30h, Finca Vuelta Larga, Sucre, Venezuela, 10.30N,63.00W) © Peter Boesman

1851 2 Yellow-chinned Spinetail 2 Song 0:20 *Certhiaxis cinnamomea* (4/8/2002 05:30h, Laguna Unare, Anzoategui, Venezuela, 10.07N,65.20W) © Peter Boesman

1851 3 Yellow-chinned Spinetail 3 Song 0:06 *Certhiaxis cinnamomea* (28/12/1994 , Buena Vista, Santa Cruz, Bolivia, 17.20S,63.30W) © Peter Boesman

1851 4 Yellow-chinned Spinetail 4 Call 0:27 *Certhiaxis cinnamomea* (30/12/1996 16:00h, Rio Sarare/Rio Burguita, Apure, Venezuela, 07.14N,71.25W) © Peter Boesman.

1851 5 Yellow-chinned Spinetail 5 Call 0:23 *Certhiaxis cinnamomea* (2/8/2004 16:30h, Serra da Canastra, Minas Gerais, Brazil, 20.15S,46.37W) © Peter Boesman.

1852 1 Red-and-White Spinetail 1 Song 0:38 *Certhiaxis mustelinus* (30th July 2010 7h30, Padre Island near Cumaceba lodge, Loreto, Peru, 3°38' S, 73°08' W). © Peter Boesman.

1852 2 Red-and-White Spinetail 2 Song 0:40 *Certhiaxis mustelinus* (30th July 2010 7h30, Padre Island near Cumaceba lodge, Loreto, Peru, 3°38' S, 73°08' W). © Peter Boesman.

1852 3 Red-and-white Spinetail 3 Call and song 0:48 *Certhiaxis mustelinus* (29th July 2010 8h30, Padre Island near Cumaceba lodge, Loreto, Peru, 3°38' S, 73°08' W). Two birds. © Peter Boesman.

1852 4 Red-and-white Spinetail 4 Call 0:31 *Certhiaxis mustelinus* (29th July 2010 8h30, Padre Island near Cumaceba lodge, Loreto, Peru, 3°38' S, 73°08' W). © Peter Boesman.

1864 1 Many-striped Canastero 1 Song 0:46 *Asthenes flammulata* (12/2/2006 09:30h, Papallacta pass, Pichincha, Ecuador, 00.25S,78.08W) © Peter Boesman.

1864 2 Many-striped Canastero 2 Song 1:29 *Asthenes flammulata* (24/7/2008 12:30h, Llanganuco lake area, Ancash, Peru, 09.10S,77.40W) © Peter Boesman.

1864 3 Many-striped Canastero 3 Call 0:12 *Asthenes flammulata* (6/8/2008 11:00h, Apaya-Andamarca road, Junín, Peru, 11.40S,74.50W) © Peter Boesman.

1864 4 Many-striped Canastero 4 Call 0:10 *Asthenes flammulata*. Parque Natural Sumapaz, Laguna de Chisaca, Colombia, 3800m, 08:00h, 15-08-2011, songs © Oswaldo Cortes.

1867 1 Streak-backed Canastero 1 Song 0:27 *Asthenes wyatti* (20/4/1997 09:00h, Pico El Aguila area, Merida, Venezuela, 08.51N,70.50W) © Peter Boesman

1867 2 Streak-backed Canastero 2 Song 0:25 *Asthenes wyatti* (20/4/1997 09:00h, Pico El Aguila area, Merida, Venezuela, 08.51N,70.50W) © Peter Boesman.

1882 1 White-chinned Thistletail 1 Song 0:44 *Schizoeaca fuliginosa fuliginosa*. Parque Nacional Chingaza, Cundinamarca, Colombia, 3400m, 06-06-2011, N4.44'49" W73.51'21", song, in response to playback © Andrew Spencer.

1882 2 White-chinned Thistletail 2 Song 0:22 *Schizoeaca fuliginosa plengi* (28/7/2008 12:00h, Bosque Unchog, Huánuco, Peru, 09.45S,76.15W) © Peter Boesman

1882 3 White-chinned Thistletail 3 Song 0:34 *Schizoeaca fuliginosa plengi* (29/7/2008 11:00h, Bosque Unchog, Huánuco, Peru, 09.45S,76.15W) © Peter Boesman

1882 4 White-chinned Thistletail 4 Call 0:15 *Schizoeaca fuliginosa* (3/1/1993, Papallacta pass, Pichincha, Ecuador, 00.25S,78.08W) © Peter Boesman

1884 1 Rufous-fronted Thornbird 1 Song 0:07 *Phacellodomus ruffifrons* (9/8/2003 06:00h, Valle de la Pascua area, Guarico, Venezuela, 09.00N,65.55W) © Peter Boesman

1884 2 Rufous-fronted Thornbird 2 Song 0:07 *Phacellodomus ruffifrons* (16/3/1997 10:00h, Canoabo area, Carabobo, Venezuela, 10.20N,68.18W) © Peter Boesman.

1884 3 Rufous-fronted Thornbird 3 Song 0:05 *Phacellodomus ruffifrons* (22/7/2003 08:30h, Casa Maria, Carabobo, Venezuela, 10.19N,68.15W) © Peter Boesman.

1884 4 Rufous-fronted Thornbird 4 Call 0:31 *Phacellodomus ruffifrons* (1/1/2008 11:40h, Morro de Calzada, San Martín, Peru, 06.00S,77.05W) © Peter Boesman

1884 5 Rufous-fronted Thornbird 5 Call 0:16 *Phacellodomus ruffifrons* (4/2/2004 09:00h, Boa Nova dry area, Bahia, Brazil, 14.30S,40.15W) © Peter Boesman.

1896 1 Spectacled Prickletail 1 Song 0:51 *Siptornis striatocollis nortoni*. Santa Cecilia track, above Paquisha, Zamora-Chinchipe, Ecuador, 1750m, 08:00h, 09-08-2011, S3.55'15" W78.36'18", song from one bird in a large mixed species flock. © Andrew Spencer.

1896 2 Spectacled Prickletail 2 Song 0:13 *Siptornis striatocollis nortoni*. Santa Cecilia track, above Paquisha, Zamora-Chinchipe, Ecuador, 1680m, 12:10h, 08-08-2011, S3.55'15" W78.36'18", Song(?) from one of a pair building a nest on the edge of a small clearing. © Andrew Spencer.

1897 1 Orange-fronted Plushcrown 1 Call 0:57 *Metopothrix aurantiaca*. (January 1997. Between Iquitos and mouth of Rio Napo, Loreto, Peru. 100m. 03.36S,73.09W). (Background: Yellow-rumped Cacique, Russet-backed Oropendola, Yellow-crowned Tyrannulet). John V. Moore.

1897 2 Orange-fronted Plushcrown 2 Call 1:48 *Metopothrix aurantiaca*. (31st July 2010 15h30, Rio Yanayacu near Muyuna lodge, Loreto, Peru, 4°18' S, 73°17' W). © Peter Boesman.

1899 1 Double-banded Graytail 1 call 0:07 *Xenerpestes minlosi* (15/4/1995 00:16h, Darien El Real , Panama, 08.10N,77.45W). Bird in a flock. © Peter Boesman.

1901 1 Rusty-winged Barbtail 1 Song 0:40 *Premnornis guttulligera*. (06-03-2007 06:26h, Tandayapa Bird Lodge, Tandayapa Valley, Pichincha, Ecuador, 1850m, N0.0°36' W78.40°39"). © Nick Athanas.

1901 2 Rusty-winged Barbtail 2 Call 0:38 *Premnornis guttulligera* (04-03-2007 06:20h, Tandayapa Bird Lodge, Tandayapa Valley, Pichincha, Ecuador, 1800m, N0.0°36' W78.40°39"). © Nick Athanas.

1902 1 Spotted Barbtail 1 Song 0:35 *Premnoplex brunnescens* (11/7/2001 18:15h, Tandayapa, Pichincha, Ecuador, 00.01S,78.43W) © Nick Athanas

1902 2 Spotted Barbtail 2 Song 1:15 *Premnoplex brunnescens* (31st January 2011 9h30. RNA Reinita Cielo Azul, San Vicente de Chucuri, Santander, Colombia, 1900m, N.50'47" N, 73.22'30" W), © Peter Boesman.

1902 3 Spotted Barbtail 3 Call 0:10 *Premnoplex brunnescens* (10/7/1999 11:25h, Monteverde, Alajuela, Costa Rica, 10.20N,84.45W) © Chris Sharpe

1902 4 Spotted Barbtail 4 Call 1:03 *Premnoplex brunnescens* (31st January 2011 9h30. RNA Reinita Cielo Azul, San Vicente de Chucuri, Santander, Colombia, 1900m, N.50'47" N, 73.22'30" W), © Peter Boesman.

1905 1 Fulvous-dotted Treerunner 1 Song 0:25 *Margaromis stellatus* (8th February 2011 16h00. RNA Las Tangaras near Carmen del Atrato, Antioquia, Colombia), © Peter Boesman.

1905 2 Fulvous-dotted Treerunner 2 Call and song 0:19 *Margaromis stellatus*. Road to San Jose del Palmar, Serrania de las Paraguas, Choco, Colombia, 1700m, 11:10h, 31-07-2008, Song from a bird in a mixed flock © Andrew Spencer.

1905 3 Fulvous-dotted Treerunner 3 Call 0:47 *Margaromis stellatus*. RNA Las Tangaras, Choco, Colombia. 1900m, 13:00h, 24-06-2011, N5.43'44" W76.14'38", Calls (and song?) from one bird of four that were part of a larger mixed flock. © Andrew Spencer.

1906 1 Pearled Treerunner 1 Song 0:11 *Margaromis squamiger* (28/12/1993 , Gualaceo road, Azuay, Ecuador, 02.55S,78.40W) © Peter Boesman

1906 2 Pearled Treerunner 2 Song 0:34 *Margaromis squamiger* (8/3/1997 15:00h, Yacambu NP, Lara, Venezuela, 09.43N,69.35W) © Peter Boesman

1906 3 Pearled Treerunner 3 Call 0:32 *Margaromis squamiger* (28/7/2008 09:00h, Bosque Unchog, Huánuco, Peru, 09.45S,76.15W) © Peter Boesman

1915 1 Buffy Tuftedcheek 1 Song 0:05 *Pseudocolaptes johnsoni*. Road to San Jose del Palmar, Serrania de las Paraguas, Choco, Colombia, 1620m, 10:20h, 31-07-2008, N4.50'28" W76.12'55", song, © Andrew Spencer.

1915 2 Buffy Tuftedcheek 2 Song and call 0:16 *Pseudocolaptes johnsoni*. RNA Las Tangaras, Choco, Colombia, 1800m, 08:30h, 26-02-2011, N5.43'44" W76.14'38", song and call, natural vocalization; from one of a pair that was part of a large mixed flock. © Andrew Spencer.

1915 3 Buffy Tuftedcheek 3 Call and song 1:02 *Pseudocolaptes johnsoni*. RNA Las Tangaras, Choco, Colombia, 1800m, 11:20h, 26-02-2011, N5.43'44" W76.14'38", song and call, response to playback from a trio of birds. © Andrew Spencer.

1916 1 Streaked Tuftedcheek 1 Call and song 0:23 *Pseudocolaptes boissonneaui*. (November 1992. Acanama, Loja, Ecuador. 3100m). (Background: Azara Spinetail). Niels Krabbe.

1916 2 Streaked Tuftedcheek 2 Song () 0:25 *Pseudocolaptes boissonneaui* (24/7/2003 10:30h, Sierra de Aroa, Yaracuy, Venezuela, 10.20N,68.50W) © Peter Boesman

1916 3 Streaked Tuftedcheek 3 Call 0:23 *Pseudocolaptes boissonneaui* boissonneaui. RNA El Colibrí del Sol, Páramo de Frontino, Antioquia, Colombia, 3500m, 11:29h, 15-02-2007, Calls given while mobbing *Glaucidium jardinii*. also: Andean Pygmy-Owl © Nick Athanas.

1919 1 Point-tailed Palmcreeper 1 Song 1:33 *Berlepschia rikeri* (1/1/2008 13:00h, Rioja, San Martín, Peru, 06.00S,77.10W) © Peter Boesman

1919 2 Point-tailed Palmcreeper 2 Song 0:33 *Berlepschia rikeri* (3rd August 2010 9h30, Muyuna lodge, Loreto, Peru, 4°18' S, 73°17' W). © Peter Boesman.

1919 3 Point-tailed Palmcreeper 3 Call
1921 1 Montane Foliage-gleaner 1 Call
1921 2 Montane Foliage-gleaner 2 Call
1921 3 Montane Foliage-gleaner 3 Call
1921 4 Montane Foliage-gleaner 4 Call
1924 1 Lineated Foliage-gleaner 1 Song
1924 2 Lineated Foliage-gleaner 2 Song
1924 3 Lineated Foliage-gleaner 3 Song
1924 4 Lineated Foliage-gleaner 4 chatter
1924 5 Lineated Foliage-gleaner 5 Call
1931 1 Chestnut-winged Hookbill 1 Song
1931 2 Chestnut-winged Hookbill 2 Agressive song
1931 3 Chestnut-winged Hookbill 3 Agressive song
1931 4 Chestnut-winged Hookbill 4 Agressive song
1931 5 Chestnut-winged Hookbill 5 Call
1932 11 Striped Woodhaunter 11 Song E
1932 12 Striped Woodhaunter 12 Song E
1932 13 Striped Woodhaunter 13 Song E
1932 14 Striped Woodhaunter 14 Call E
1932 21 Striped Woodhaunter 21 song W
1932 22 Striped Woodhaunter 22 song W
1932 23 Striped Woodhaunter 23 song W
1932 24 Striped Woodhaunter 24 call W
1932 25 Striped Woodhaunter 25 call W
1932 26 Striped Woodhaunter 26 chatter W
1933 1 Rufous-tailed Foliage-gleaner 1 Dawn song
1933 2 Rufous-tailed Foliage-gleaner 2 Song
1933 3 Rufous-tailed Foliage-gleaner 3 Call QQ
1933 4 Rufous-Tailed Foliage-gleaner 4 Call QQ
1934 1 Slaty-winged Foliagegleaner 1 Calls
1934 2 Slaty-winged Foliagegleaner 2 Call
1935 1 Rufous-rumped Foliage-gleaner 1 Song and call
1935 2 Rufous-rumped Foliage-gleaner 2 Song and call
1935 3 Rufous-rumped Foliage-gleaner 3 Call
1935 4 Rufous-rumped Foliage-gleaner 4 Call
1935 5 Rufous-rumped Foliage-gleaner 5 Call
1936 1 Chestnut-winged Foliage-gleaner 1 Song ()
1936 2 Chestnut-winged Foliagegleaner 2 Call
1940 1 Buff-fronted Foliage-gleaner 1 Song
1940 2 Buff-fronted Foliage-gleaner 2 Song
1940 3 Buff-fronted Foliage-gleaner 3 Song ()
1940 4 Buff-fronted Foliage-gleaner 4 Agitated song
1940 5 Buff-fronted Foliage-gleaner 5 Call
1941 1 Cinnamon-rumped Foliage-gleaner 1 Song
1941 2 Cinnamon-rumped Foliage-gleaner 2 Song
1941 3 Cinnamon-rumped Foliage-gleaner 3 Rattle
1941 4 Cinnamon-rumped Foliage-gleaner 4 Call
1941 5 Cinnamon-rumped Foliage-gleaner 5 Call
1941 6 Cinnamon-rumped Foliage-gleaner 6 Call
1942 1 Dusky-cheeked Foliage-gleaner 1 Song
1942 2 Dusky-cheeked Foliage-gleaner 2 Rattle
1942 3 Dusky-cheeked Foliage-gleaner 3 Song and rattle
1942 4 Dusky-cheeked Foliage-gleaner 4 Song and rattle
1942 5 Dusky-cheeked Foliage-gleaner 5 Song and call
1942 6 Dusky-cheeked Foliage-gleaner 6 Rattle
1945 1 Uniform Treehunter 1 Song
1945 2 Uniform Treehunter 2 Song
1945 3 Uniform Treehunter 3 Song ()
1946 1 Black-billed Treehunter 1 Song
1946 2 Black-billed Treehunter 2 Song
1946 3 Black-billed Treehunter 3 Call
1946 4 Black-billed Treehunter 4 Call
1947 1 Striped Treehunter 1 Song

0:46 Berlepschia rikeri (3rd August 2010 9h30, Muyuna lodge, Loreto, Peru, 4°18' S, 73°17' W). © Peter Boesman.
0:13 Anabacerthia striaticollis (27/6/1995 06:00h, Manu Andean Slope, Cuzco, Peru, 12.30S,71.30W) © Peter Boesman
0:46 Anabacerthia striaticollis (24/7/2003 07:30h, Sierra de Aroa, Yaracuy, Venezuela, 10.20N,68.50W) © Peter Boesman
0:12 Anabacerthia striaticollis (13/8/2000 10:00h, Palmichal area, Carabobo, Venezuela, 10.21N,68.12W) © Peter Boesman.
0:15 Anabacerthia striaticollis (31st January 2011 10h00. RNA Reinita Cielo Azul, San Vicente de Chucurí, Santander, Colombia, 1900m, N.50°47' N, 73.22°30' W). © Peter Boesman.
0:41 Syndactyla subalaris (21/2/2006 06:30h, San Isidro lodge, Napo, Ecuador, 00.40S,77.55W) © Peter Boesman
0:59 Syndactyla subalaris subalaris. El 18, Valle del Cauca, Colombia, 10:00h, 17-07-2008, song © Andrew Spencer.
0:09 Syndactyla subalaris (1st January 2010 10h20. P.N. Tatamá, Montezuma trail, near Pueblo Rico, Risaralda, Colombia, 1600m, 5°14'3"N 76° 52'1"W!). © Peter Boesman.
0:42 Syndactyla subalaris (21/2/2006 07:00h, San Isidro lodge, Napo, Ecuador, 00.40S,77.55W) © Peter Boesman
0:55 Syndactyla subalaris subalaris. El 18, Valle del Cauca, Colombia, 09:20h, 17-07-2008, call © Andrew Spencer.
0:04 Ancistrops strigilatus (25th July 2010 8h30, ACTS Explornapo, Loreto, Peru, 120 m. 3°10' S, 72°55' W). © Peter Boesman.
0:48 Ancistrops strigilatus (28/7/2009 16:30h, Pantiacolla Lodge, Madre de Dios, Peru, 12.39S,71.14W) © Peter Boesman
0:58 Ancistrops strigilatus (28/7/2009 16:00h, Pantiacolla Lodge, Madre de Dios, Peru, 12.39S,71.14W) © Peter Boesman
0:27 Ancistrops strigilatus (25th July 2010 8h30, ACTS Explornapo, Loreto, Peru, 120 m. 3°10' S, 72°55' W). © Peter Boesman.
0:36 Ancistrops strigilatus. (Yasuni Research Station, Parque Nacional Yasuni, Orellana, Ecuador, 250m, 08:00h, 22-08-2010, S0.40°27' W76.23°52"). © Andrew Spencer.
0:22 Hylocistis subulatus (25/8/2001 18:00h, Sumaco road, Napo, Ecuador, 00.45S,77.35W) © Nick Athanas
0:14 Hylocistis subulatus (22/7/2009 18:00h, Amazon Manu Lodge, Madre de Dios, Peru, 12.18S,70.48W) © Peter Boesman
0:27 Hylocistis subulatus (27/7/2009 09:30h, Pantiacolla Lodge, Madre de Dios, Peru, 12.39S,71.14W) © Peter Boesman
0:25 Hylocistis subulatus (25/8/2001 18:00h, Sumaco road, Napo, Ecuador, 00.45S,77.35W) © Nick Athanas
1:30 Hylocistis subulatus. (20th March 2010 10h55, Esquinas lodge, 100m elev., Piedras Blancas NP, Puntarenas, Costa Rica). (Background: Golden-naped Woodpecker, Buff-throated Foliagegleaner, Lesser Greenlet). © Peter Boesman.
0:26 Hylocistis subulatus (14/3/1996 , Cerro Jefe, Panamá, Panama,) © Dodge Engleman
0:35 Hylocistis virgatus cordobae. RNA Arriero Antioqueño, Anorí, Antioquia, Colombia, 1450m, 17:20h, 16-06-2011, N6.59°10' W75.7°30", song, natural vocalization © Andrew Spencer.
0:16 Hylocistis virgatus cordobae. RNA Arriero Antioqueño, Anorí, Antioquia, Colombia, 1450m, 17:20h, 16-06-2011, N6.59°10' W75.7°30", call, natural vocalization © Andrew Spencer.
0:19 Hylocistis subulatus (14/3/1996 , Cerro Jefe, Panamá, Panama,) © Dodge Engleman
0:16 Hylocistis subulatus. (20th March 2010 10h45, Esquinas lodge, 100m elev., Piedras Blancas NP, Puntarenas, Costa Rica). (Background: Buff-throated Foliagegleaner). © Peter Boesman.
0:54 Philydor ruficaudatum ruficaudatum. (Miazi, Zamora-Chinchipe, Ecuador, 940m, 06:20h, 15-08-2011, S4.16°28' W78.38°23"). © Andrew Spencer.
1:06 Philydor ruficaudatum ruficaudatum. (Miazi, Zamora-Chinchipe, Ecuador, 940m, 12:00h, 14-08-2011, S4.16°28' W78.38°23"). Song from a bird uncharacteristically low. © Andrew Spencer.
0:06 Philydor ruficaudatum. (10-05-2002. 07:00h, La Escalera, Sierra de Lema, Bolívar, Venezuela, 850m, N5.57°56' W61.23°30"). With a mixed flock. © Nick Athanas.
0:15 Philydor erythrocerum (1/11/2001, Rio Cristalino Jungle Lodge, Mato Grosso, Brazil, 09.27S,55.54W) © Mark Van Beirs
0:18 Philydor fuscipenne (4th February 2011 8h30. Rio Claro, Doradal, Antioquia, Colombia, 1500m, 5.54°0' N, 74.50°54' W). © Peter Boesman.
0:08 Philydor fuscipenne. Ibe Igar Trail, Nusagandi, Panama Province, Panama, 400m, 10:00h, 18-03-2009, Call, © Andrew Spencer.
0:28 Philydor erythrocerum lyra. (Cristalino Jungle Lodge, MT, Brazil, 250m, 07:10h, 24-09-2009, S9.35°53' W55.55°55"). © Andrew Spencer.
0:58 Philydor erythrocerum lyra. (Cristalino Jungle Lodge, MT, Brazil, 250m, 07:10h, 24-09-2009, S9.35°53' W55.55°55"). © Andrew Spencer.
1:04 Philydor erythrocerum. (Régina, montagne tortue, French Guiana, 50m, 08-09-2010). Response to playback. (background: Boat-billed Tody-Tyrant). © Alexandre Renaudier.
0:14 Philydor erythrocerum. (23-01-2006 08:45h, Serra dos Carajás, PA, Brazil, 700m, S6.9°37' W50.20°45"). (Background: White-throated Toucan). © Nick Athanas.
0:06 Philydor erythrocerum (19/1/2005 07:30h, Carajás, Salobo area, Pará, Brazil, 05.55S,50.30W) © Peter Boesman
0:11 Philydor erythropterum. (28-03-2002 11:00h, Yarina Lodge, Rio Napo, Orellana, Ecuador, 250m). (Background: Yellow-rumped Cacique, White-throated Toucan, Slate-colored Grosbeak). © Nick Athanas.
0:49 Philydor erythropterum. (23rd July 2010 9h00, ACTS Explornapo, Loreto, Peru, 120 m. 3°10' S, 72°55' W). (Background: Pygmy Antwren). © Peter Boesman.
0:10 Philydor rufus (23/2/2006 15:00h, Milpe reserve, Pichincha, Ecuador, 00.00N,78.45W) © Peter Boesman
0:06 Philydor rufus (6/8/2004, Intervalles National Park, Sao Paulo, Brazil, 24.20S,48.25W) © Peter Boesman
0:06 Philydor rufus (6/8/2002 11:00h, Cerro de Paja, Carabobo, Venezuela, 10.18N,68.15W) © Peter Boesman
0:36 Philydor rufus (27/7/2009 09:30h, Pantiacolla Lodge, Madre de Dios, Peru, 12.39S,71.14W) Bird not seen, presumably this species in the lowlands. © Peter Boesman
0:04 Philydor rufus (12/10/1998 13:10h, Hotel do Ype, Itatiaia, Rio de Janeiro, Brazil, 22.26S,44.37W) © Chris Sharpe.
0:13 Philydor pyrrohodes (1/11/1993 , Junglaven area, Amazonas, Venezuela, 05.00N,66.23W) © Peter Boesman
1:42 Philydor pyrrohodes. (Régina, French Guiana, 60m, 14-09-2010). In response to playback. © Alexandre Renaudier.
1:42 Philydor pyrrohodes (24/7/2005 16:30h, Rio Cristalino Jungle Lodge, Mato Grosso, Brazil, 09.27S,55.54W) © Peter Boesman
0:11 Philydor pyrrohodes (Yuturi Lodge, Sucumbios, Ecuador, 00.34S,76.01W) © John Moore
0:20 Philydor pyrrohodes (Sinnamary, route de St Elie, French Guiana, 9m, 01-04-2011). (Background: Gray-fronted Dove).. © Alexandre Renaudier.
0:50 Philydor pyrrohodes. (Mitu, Vaupes, Colombia, 190m, 17:45h, 11-06-2011, N1.14°45' W70.13°44"). Call, natural vocalization; calls from a bird in roadside scrub adjacent to terra firme forest. © Andrew Spencer.
0:09 Automolus dorsalis (21/7/2009 15:30h, Manu Amazonia Lodge, Cuzco, Peru, 12.50S,71.15W) © Peter Boesman
0:45 Automolus dorsalis (21/7/2009 15:30h, Manu Amazonia Lodge, Cuzco, Peru, 12.50S,71.15W) © Peter Boesman
0:15 Automolus dorsalis (21/7/2009 15:30h, Manu Amazonia Lodge, Cuzco, Peru, 12.50S,71.15W) © Peter Boesman
0:37 Automolus dorsalis (29/7/2009 14:00h, Pilcopata area, Cuzco, Peru, 12.50S,71.15W) © Peter Boesman
0:12 Automolus dorsalis (22/7/2005, Rio Cristalino Jungle Lodge, Mato Grosso, Brazil, 09.27S,55.54W) © Peter Boesman
1:15 Automolus dorsalis (22/7/2005, Rio Cristalino Jungle Lodge, Mato Grosso, Brazil, 09.27S,55.54W) © Peter Boesman
0:35 Thripadectes ignobilis (26/2/2006 08:00h, Mindo Loma, Pichincha, Ecuador, 00.00S,78.40W) © Peter Boesman.
0:49 Thripadectes ignobilis. Reserva Natural Cerro El Ingles, Valle del Cauca, Colombia, 1900m, 06:50h, 30-07-2008, Song © Andrew Spencer.
0:11 Thripadectes ignobilis (9th February 2011 9h00. RNA Las Tangaras near Carmen del Atrato, Antioquia, Colombia). © Peter Boesman.
0:07 Thripadectes melanorhynchus (16/2/2006 08:00h, Ministerio road, Napo, Ecuador, 01.00S,77.30W) © Peter Boesman.
0:19 Thripadectes melanorhynchus (27/6/1995 07:00h, Manu Andean Slope, Cuzco, Peru, 13.10S,71.30W) © Peter Boesman.
0:26 Thripadectes melanorhynchus (15/2/2006 07:00h, Sumaco road, Napo, Ecuador, 00.45S,77.35W) © Peter Boesman.
0:49 Thripadectes melanorhynchus (16/2/2006 08:00h, Ministerio road, Napo, Ecuador, 01.00S,77.30W) © Peter Boesman.
1:41 Thripadectes holostictus (6th February 2011 6h45. Jardín, Antioquia, Colombia 6° 58' 03" N, 75° 31' 38" W). (background: Nariño Tapaculo). © Peter Boesman.

1947 2 Striped Treehunter 2 Song 0:56 *Thripadectes holostictus* (6th February 2011 7h30, Jardin, Antioquia, Colombia 6° 58' 03" N, 75° 31' 38" W). © Peter Boesman.

1947 3 Striped Treehunter 3 Song 0:17 *Thripadectes holostictus* (25/12/1992, Podocarpus Loja-Zamora, Loja, Ecuador, 04.00S,79.00W) © Peter Boesman

1947 4 Striped Treehunter 4 Call 0:14 *Thripadectes holostictus* (5th February 2011 16h30, Jardin, Antioquia, Colombia 6° 58' 03" N, 75° 31' 38" W). © Peter Boesman.

1947 5 Striped Treehunter 5 Call 0:16 *Thripadectes holostictus* (30/12/2007 11:15h, Abra Patricia road, San Martín, Peru, 05.50S,77.46W) © Peter Boesman

1947 6 Striped Treehunter 6 Call 0:02 *Thripadectes holostictus* (30/12/2007 11:15h, Abra Patricia road, San Martín, Peru, 05.50S,77.46W) © Peter Boesman

1947 7 Striped Treehunter 7 Call 0:32 *Thripadectes holostictus* (19/7/2009 15:00h, Manu road high, Cuzco, Peru, 13.12S,71.35W) © Peter Boesman

1948 1 Streak-capped Treehunter 1 Song 0:31 *Thripadectes virgaticeps* (8/3/1997 09:00h, Yacambu NP, Lara, Venezuela, 09.43N,69.35W) © Peter Boesman

1948 2 Streak-capped Treehunter 2 Song 0:37 *Thripadectes virgaticeps* (11th February 2011 6h00. □ Santuario Otun-Quimbaya, Pereira, Tolima, Colombia), © Peter Boesman.

1948 3 Streak-capped Treehunter 3 Song 0:21 *Thripadectes virgaticeps* (3rd January 2010 10h00, Bosque Bremen, Quindío, Colombia, 4°40'26"N 75°37'5"W), © Peter Boesman.

1948 4 Streak-capped Treehunter 4 Song 0:30 *Thripadectes virgaticeps sclateri*. El 18, Valle del Cauca, Colombia, 7m, 06:55h, 17-07-2008, Song © Andrew Spencer.

1948 5 Streak-capped Treehunter 5 Call 1:00 *Thripadectes virgaticeps sclateri*. El 18, Valle del Cauca, Colombia, 1800m, 08:00h, 24-06-2010, N3.297" W76.374", call © Andrew Spencer.

1948 6 Streak-capped Treehunter 6 Call 0:25 *Thripadectes virgaticeps*. Reserva La Forzosa (Vereda Roble arriba), Anorí, Antioquia, Colombia, 1800m, 12:30h, 03-06-2000, Call © Bernabe Lopez-Lanus.

1948 7 Streak-capped Treehunter 7 Call 0:19 *Thripadectes virgaticeps* (26/2/2006 08:00h, Mindo Loma, Pichincha, Ecuador, 00.00S,78.40W) © Peter Boesman.

1949 1 Flammulated Treehunter 1 Song 0:58 *Thripadectes flammulatus* (3/1/1986, Río Oirá, Apure, Venezuela, 07.24N,72.16W) © Chris Parrish

1949 2 Flammulated Treehunter 2 Song 0:44 *Thripadectes flammulatus*. RNA El Dorado, Sierra de Santa Marta, Magdalena, Colombia, 2580m, 06:45h, 11-03-2010, N11.6'28" W74.2'55", song, © Nick Athanas.

1949 3 Flammulated Treehunter 3 Song 0:08 *Thripadectes flammulatus* (8th February 2011 10h00, Road from Urrao to Carmen del Atrato, Antioquia, Colombia), © Peter Boesman.

1949 4 Flammulated Treehunter 4 Call 0:05 *Thripadectes flammulatus* (3/1/1986, Río Oirá, Apure, Venezuela, 07.24N,72.16W) © Chris Parrish

1949 5 Flammulated Treehunter 5 Call 0:28 *Thripadectes flammulatus* (8th February 2011 10h00, Road from Urrao to Carmen del Atrato, Antioquia, Colombia), © Peter Boesman.

1949 6 Flammulated Treehunter 6 Call 0:11 *Thripadectes flammulatus flammulatus*. Hacienda Las Cruces (Area La Ceja), Toche, Municipio Ibague, Tolima, Colombia, 2500m, 17:57h, 20-06-1998, 'Chek' call © Bernabe Lopez-Lanus.

1951 1 Buff-throated Foliage-gleaner 1 Song 0:26 *Automolus ochrolaemus* (23/7/2002 06:30h, Rio Grande area, Bolívar, Venezuela, 08.03N,61.40W) © Peter Boesman

1951 2 Buff-throated Foliage-gleaner 2 Song 0:16 *Automolus ochrolaemus* (16/12/2001, Junglaven area, Amazonas, Venezuela, 05.00N,66.23W) © Mark Van Beirs.

1951 3 Buff-throated Foliage-gleaner 3 Song 0:28 *Automolus ochrolaemus* (17/7/2006 06:45h, Iracema falls, Presidente Figueiredo, Amazonas, Brazil, 02.00S,60.00W) © Peter Boesman.

1951 4 Buff-throated Foliage-gleaner 4 Song NW 0:20 *Automolus ochrolaemus* (16/4/1995 07:00h, Nusagandi NP., Panama, 09.20N,78.50W) © Peter Boesman.

1951 5 Buff-throated Foliage-gleaner 5 Song NW 0:48 *Automolus ochrolaemus pallidigularis*. Clarita Botero, Ibague, Tolima, Colombia, 1700m, 07:45h, 01-07-2011, N4.28'8" W75.13'41", song, natural vocalization © Andrew Spencer.

1951 6 Buff-throated Foliage-gleaner 6 Call 0:25 *Automolus ochrolaemus turdi*. (Km63 road off BR-174 north of Manaus, AM, Brazil, 100m, 07:10h, 02-02-2006, S2.24'13" W60.0'35") Response to playback. Short song at 19s. (background: Orange-winged Parrot, Yellow-crowned Tyrannulet). © Nick Athanas.

1951 7 Buff-throated Foliage-gleaner 7 Call 0:12 *Automolus ochrolaemus pallidigularis*. Clarita Botero, Ibague, Tolima, Colombia, 1700m, 07:45h, 01-07-2011, N4.28'8" W75.13'41", call, natural vocalization © Andrew Spencer.

1951 8 Buff-throated Foliage-gleaner 8 Call 0:18 *Automolus ochrolaemus* (16/4/1995 08:00h, Nusagandi NP, San Blas, Panama, 09.20N,78.50W) © Peter Boesman

1951 9 Buff-throated Foliage-gleaner 9 Soft rattles 0:38 *Automolus ochrolaemus* (20th July 2010 7h45, Alipahuayo - Mishana Reserve, Loreto, Peru, 120m, S3.50'0" W73.15'0"), © Peter Boesman.

1952 1 Olive-backed Foliage-gleaner 1 Song 0:22 *Automolus infuscatus* (25/12/1992, La Selva lodge, Napo, Ecuador, 00.30S,76.30W) © Peter Boesman

1952 2 Olive-backed Foliage-gleaner 2 Song 1:37 *Automolus infuscatus* (23/7/2009 06:00h, Amazon Manu Lodge, Madre de Dios, Peru, 12.18S,70.48W) © Peter Boesman

1952 3 Olive-backed Foliage-gleaner 3 Song 1:01 *Automolus infuscatus* (23rd July 2010 18h00, ACTS Explomapo, Loreto, Peru, 120 m. 3°10' S, 72°55' W). © Peter Boesman.

1952 4 Olive-backed Foliage-gleaner 4 Call 0:22 *Automolus infuscatus* (5/2/2002, Yuturi Lodge, Sucumbios, Ecuador, 00.34S,76.01W) © Nick Athanas

1952 5 Olive-backed Foliage-gleaner 5 Call 0:40 *Automolus infuscatus* (22/7/2009 18:00h, Amazon Manu Lodge, Madre de Dios, Peru, 12.18S,70.48W) © Peter Boesman

1952 6 Olive-backed Foliage-gleaner 6 Call 1:04 *Automolus infuscatus* (23rd July 2010 18h00, ACTS Explomapo, Loreto, Peru, 120 m. 3°10' S, 72°55' W). (Background: Cinereous Antshrike). © Peter Boesman.

1956 1 Brown-rumped Foliage-gleaner 1 Song 1:26 *Automolus melanopezus* (23/7/2009 08:00h, Amazon Manu Lodge, Madre de Dios, Peru, 12.18S,70.48W) © Peter Boesman

1956 2 Brown-rumped Foliage-gleaner 2 Song 1:15 *Automolus melanopezus* (29/7/2009 08:00h, Pantiacolla Lodge, Madre de Dios, Peru, 12.39S,71.14W) © Peter Boesman

1957 1 Ruddy Foliage-gleaner 1 Song Amazon 0:17 *Automolus rubiginosus waitkinsi*. (23-03-2008 16:00h, near Santa Rosa, Madre de Dios, Peru, 350m, S12.57'10" W70.18'6"). © David Geale.

1957 2 Ruddy Foliage-gleaner 2 Song Amazon 0:10 *Automolus rubiginosus brunnescens*. (El Para, east of Archidona, Napo, Ecuador, 720m, 08:45h, 21-06-2002, S0.577" W77.43'53"). (Background: Black Antbird, Undulated Antshrike, Thrush-like Antpitta). © Nick Athanas.

1957 3 Ruddy Foliage-gleaner 3 Song W 0:27 *Automolus rubiginosus* (20/12/1993, Rio Palenque, Los Rios, Ecuador, 00.25S,79.25W) © Peter Boesman.

1957 4 Ruddy Foliage-gleaner 4 Song NW 0:20 *Automolus rubiginosus* (16/4/2003 08:30h, Valle Nacional road, Oaxaca, Mexico, 17.40N,96.20W) © Peter Boesman.

1957 5 Ruddy Foliage-gleaner 5 Call 0:37 *Automolus rubiginosus*. (Mont Ioupé, French Guiana, 650m). © Alexandre Renaudier.

1958 1 Chestnut-crowned Foliage-gleaner 1 Song 0:26 *Automolus rufipileatus* (25/7/2005, Rio Cristalino Jungle Lodge, Mato Grosso, Brazil, 09.27S,55.54W) © Peter Boesman

1958 2 Chestnut-crowned Foliage-gleaner 2 Song 0:15 *Automolus rufipileatus* (24/3/1997 16:30h, Lower Rio Caura area, Bolívar, Venezuela, 07.15N,65.00W) © Peter Boesman.

1958 3 Chestnut-crowned Foliage-gleaner 3 Song 0:41 *Automolus rufipileatus* (22/7/2009 07:00h, Manu Amazonia Lodge, Cuzco, Peru, 12.50S,71.15W) © Peter Boesman

1958 4 Chestnut-crowned Foliage-gleaner 4 Song 0:28 *Automolus rufipileatus* (29/7/2009 07:00h, Pantiacolla Lodge, Madre de Dios, Peru, 12.39S,71.14W) © Peter Boesman

1958 5 Chestnut-crowned Foliage-gleaner 5 Call 0:41 *Automolus rufipileatus* (26th July 2010 10h00, Explomapo, Loreto, Peru, 120 m. 3°10' S, 72°55' W). © Peter Boesman.

1958 6 Chestnut-crowned Foliage-gleaner 6 Call 0:17 *Automolus rufipileatus consobrinus*. (Reserve Naturelle de la Trinite, French Guiana, 150m, 19-10-2009). After playback. (Background: Ruddy Pigeon). © Alexandre Renaudier.

1958 7 Chestnut-crowned Foliage-gleaner 7 Call 0:35 *Automolus rufipileatus*. (Cristalino Jungle Lodge, MT, Brazil, 250m, 17:40h, 19-08-2009, S9.35'53" W55.55'55"). © Andrew Spencer.

1959 1 Santa Marta Foliage-gleaner 1 Song 0:29 *Automolus rubiginosus* (3/1/1994 08:30h, Santa Marta Lorenzo road, Magdalena, Colombia, 11.00N,73.40W) © Peter Boesman.

1959 2 Santa Marta Foliage-gleaner 2 Song 0:26 *Automolus rufipectus*. San Lorenzo road, Santa Marta mountains, Magdalena, Colombia, 1650m, 10:02h, 03-11-2007, N11.6'0" W74.4'0", song, After playback. © Nick Athanas.

1962 1 Sharp-tailed Streamcreeper 1 Song 1:17 *Lochmias nematura* (11/8/2004 08:30h, Serra da Graciosa, Paraná, Brazil, 25.20S,48.55W) © Peter Boesman

1962 2 Sharp-tailed Streamcreeper 2 Song 1:14 *Lochmias nematura* (11/8/2004 08:30h, Serra da Graciosa, Paraná, Brazil, 25.20S,48.55W) © Peter Boesman.

1962 3 Sharp-tailed Streamcreeper 3 Song 0:45 *Lochmias nematura* (6/8/2005 08:15h, Aparados da Serra, Rio Grande do Sul, Brazil, 29.20S,50.10W) © Peter Boesman.

1962 4 Sharp-tailed Streamcreeper 4 Song 0:26 *Lochmias nematura* (3/8/2004 08:45h, Serra da Canastra, Minas Gerais, Brazil, 20.15S,46.37W) © Peter Boesman.

1962 5 Sharp-tailed Streamcreeper 5 Call 0:55 *Lochmias nematura* (6/8/2005 08:15h, Aparados da Serra, Rio Grande do Sul, Brazil, 29.20S,50.10W) © Peter Boesman.

1962 6 Sharp-tailed Streamcreeper 6 Call 0:17 *Lochmias nematura* (5/8/2001, Estrada da Graciosa, Paraná, Brazil, 25.25S,48.52W) © Mark Van Beirs

1962 7 Sharp-tailed Streamcreeper 7 Calls 0:32 *Lochmias nematura* (3/8/2004 08:45h, Serra da Canastra, Minas Gerais, Brazil, 20.15S,46.37W) © Peter Boesman.

1962 8 Sharp-tailed Streamcreeper 8 Call and song 0:15 *Lochmias nematura sororius*. Libano, Colombia, 1700m, 07:20h, 25-02-2010, N4.55'26" W75.4'1", call/song, Two birds, response to playback. © Nick Athanas.

1966 1 Rufous-tailed Xenops 1 Song 1:07 *Xenops milleri*. (16-07-2009, Borba, Amazonas, Brazil), After playback. (Background: Scale-backed Antbird, Plumbeous Pigeon, Yellow-rumped Cacique). © Alexandre Renaudier.

1966 2 Rufous-tailed Xenops 2 Song 1:42 *Xenops milleri*. (Cristalino Jungle Lodge, MT, Brazil, 250m, 06:30h, 18-10-2009, S9.35'53" W55.55'55"). © Andrew Spencer.

1967 1 Slender-billed Xenops 1 Song 0:08 *Xenops tenuirostris*. (Cristalino Jungle Lodge, MT, Brazil, 250m, 09:30h, 07-10-2009, S9.35'53" W55.55'55"). © Andrew Spencer.

1967 2 Slender-billed Xenops 2 Song 2:10 *Xenops tenuirostris*. (Cristalino Jungle Lodge, MT, Brazil, 250m, 06:00h, 16-10-2009, S9.35'53" W55.55'55"). From the canopy tower; a pair of birds independent of a flock and territorial in the area for over a week. © Andrew Spencer.

1967 3 Slender-billed Xenops 3 Call 0:28 *Xenops tenuirostris*. (Cristalino Jungle Lodge, MT, Brazil, 250m, 08:40h, 13-09-2009, S9.35'53" W55.55'55"); Calls from a pair of birds. © Andrew Spencer.

1968 1 Plain Xenops 1 Song 0:06 Xenops minutus (25/12/1991 08:00h, La Selva CR, Heredia, Costa Rica, 10.20N,84.00W) © Peter Boesman

1968 2 Plain Xenops 2 Song 0:57 Xenops minutus littoralis. Humedal del Yalare, Esmeraldas, Ecuador, 30m, 11:30h, 18-01-2008, N1.6°0' W78.51°0', song © Andrew Spencer.

1968 3 Plain Xenops 3 Call 0:21 Xenops minutus (19/6/1994 , Caño Colorado, Monagas, Venezuela, 09.55N,62.55W) © Peter Boesman.

1969 1 Streaked Xenops 1 Song 0:25 Xenops rutilans (30th December 2009 11h45. R.N. Rio Blanco, Caldas, Colombia, 2600m, 5°5' N 75°30'W). (Background: Long-tailed Antbird, Chestnut-crowned Antpitta). © Peter Boesman.

1969 2 Streaked Xenops 2 Song 0:52 Xenops rutilans (19/12/2000 09:55h, Yacambu NP, Lara, Venezuela, 09.43N,69.35W) © Chris Sharpe

1970 1 Spot-throated Woodcreeper 1 Song 0:29 Deconychura stictolaema clarior. (Reserve Naturelle de la Trinite, French Guiana, 120m, 17-10-2009). After playback. © Alexandre Renaudier.

1970 2 Spot-throated Woodcreeper 2 Song 0:48 Deconychura stictolaema stictolaema. (Cristalino Jungle Lodge, MT, Brazil, 250m, 09:00h, 15-10-2009, S9.35'53" W55.55'55"). © Andrew Spencer.

1970 3 Spot-throated Woodcreeper 3 Song 0:30 Deconychura stictolaema. (Cristalino Jungle Lodge, MT, Brazil, 250m, 06:00h, 19-08-2009, S9.35'53" W55.55'55"). (Background: Screaming Pihá). © Andrew Spencer.

1971 1 Tyrannine Woodcreeper 1 Song 1:13 Dendrocincla tyrannina. Parque Natural Munchique, sector Romelia, Colombia, 2600m, 15:00h, 3 Feb 2010. Song © Frank Lambert.

1971 2 Tyrannine Woodcreeper 2 Song 0:41 Dendrocincla tyrannina. (19-05-2008 10:34h, ACP Abra Patricia-Alto Nieva, San Martin, Peru, 2300m, S5.42'3" W77.48'44"). (Background: Golden-faced Tyrannulet). © Nick Athanas.

1971 3 Tyrannine Woodcreeper 3 Song 0:31 Dendrocincla tyrannina. (30th December 2009 8h30. R.N. Rio Blanco, Caldas, Colombia, 2600m, 5°5' N 75°30'W). © Peter Boesman.

1971 4 Tyrannine Woodcreeper 4 Call 0:11 Dendrocincla tyrannina (12/2/2006 17:00h, San Isidro lodge, Napo, Ecuador, 00.40S,77.55W) © Peter Boesman

1971 5 Tyrannine Woodcreeper 5 Call 0:08 Dendrocincla tyrannina (21/2/2006 07:00h, San Isidro lodge, Napo, Ecuador, 00.40S,77.55W) © Peter Boesman

1971 6 Tyrannine Woodcreeper 6 Call 0:14 Dendrocincla tyrannina (30th December 2009 8h30. R.N. Rio Blanco, Caldas, Colombia, 2600m, 5°5' N 75°30'W). © Peter Boesman.

1972 1 Plain-brown Woodcreeper 1 Song 0:47 Dendrocincla fuliginosa (2/8/2002 08:00h, Lower escalera, Bolivar, Venezuela, 06.00N,61.22W) © Peter Boesman

1972 2 Plain-brown Woodcreeper 2 Rattle 0:42 Dendrocincla fuliginosa (24/3/1997 10:30h, Lower Rio Caura area, Bolivar, Venezuela, 07.15N,65.00W) © Peter Boesman

1972 3 Plain-brown Woodcreeper 3 Rattle 0:49 Dendrocincla fuliginosa (3rd February 2011 6h00. RNA El Paujil, Santander, Colombia, 310m, 6.259° N, 74.1541° W). (Background: Variegated Flycatcher, Buff-rumped Warbler). © Peter Boesman.

1972 4 Plain-brown Woodcreeper 4 Rattle 0:47 Dendrocincla fuliginosa (23/7/2003 06:00h, Casa Maria, Carabobo, Venezuela, 10.19N,68.15W) © Peter Boesman.

1972 5 Plain-brown Woodcreeper 5 Short rattle 0:09 Dendrocincla fuliginosa (21/7/2005 06:15h, Rio Cristalino Jungle Lodge, Mato Grosso, Brazil, 09.27S,55.54W) © Peter Boesman

1972 6 Plain-brown Woodcreeper 6 Short rattle 0:06 Dendrocincla fuliginosa (17/10/1993 , Caño Colorado, Monagas, Venezuela, 09.55N,62.55W) © Peter Boesman.

1972 7 Plain-brown Woodcreeper 7 Short rattle 0:07 Dendrocincla fuliginosa (3/6/1995 08:00h, Casa Maria, Carabobo, Venezuela, 10.19N,68.15W) © Peter Boesman.

1972 8 Plain-brown Woodcreeper 8 Call 0:18 Dendrocincla fuliginosa (9/8/2002 08:00h, Cerro de Paja, Carabobo, Venezuela, 10.18N,68.15W) © Peter Boesman

1972 9 Plain-brown Woodcreeper 9 Call 0:16 Dendrocincla fuliginosa (10th August 2010 7h00, Rio Javari, Reserva Natural Palmari, Amazonas, Brazil, 50m, 4°17'20" S, 70°17'41" W). © Peter Boesman

1973 1 White-chinned Woodcreeper 1 Song 0:22 Dendrocincla merula bartletti. Mitu, Vaupes, Colombia, 190m, 10:00h, 09-06-2011, N1.14'45" W70.13'44", song, natural vocalization, from a bird away from an antswarm © Andrew Spencer.

1973 2 White-chinned Woodcreeper 2 Song 0:15 Dendrocincla merula (09-02-2006 11:00h, TI Coatá-Laranjal, south of Borba, AM, Brazil, 30m, S4.37°10' W59.30°41"). At an army antswarm. (Background: Dwarf Tyrant-Manakin). © Nick Athanas.

1973 3 White-chinned Woodcreeper 3 Call 0:44 Dendrocincla merula. (Explorer's Inn Reserve, Tambopata, Madre de Dios, Peru, 200 m. 12°50'15" S, 69°17'30" W). Around B. van den Berg.

1973 4 White-chinned Woodcreeper 4 Call 0:28 Dendrocincla merula. (09-02-2006 11:40h, TI Coatá-Laranjal, south of Borba, AM, Brazil, 30m, S4.37°10' W59.30°41"). At an army antswarm. (Background: Dwarf Tyrant-Manakin). © Nick Athanas.

1973 5 White-chinned Woodcreeper 5 Call 0:09 Dendrocincla merula castanoptera. (Cristalino Jungle Lodge, MT, Brazil, 250m, 08:30h, 05-10-2009, S9.35'53" W55.55'55"). Call and song?, the second vocalization type is called song in some sources © Andrew Spencer.

1974 2 Ruddy Woodcreeper 2 rattle () 0:17 Dendrocincla homochroa (10/4/2003 10:00h, Bonampak, Chiapas, Mexico, 16.42N,91.05W) © Peter Boesman

1974 3 Ruddy Woodcreeper 3 call 0:02 Dendrocincla homochroa (16/12/1995 , Cerro Azul, Panamá, Panama,) © Dodge Engleman

1975 1 Olivaceous Woodcreeper 1 Song N 0:30 Sittasomus griseicapillus (11/6/1995 08:00h, Palmichal area, Carabobo, Venezuela, 10.21N,68.12W) © Peter Boesman.

1975 2 Olivaceous Woodcreeper 2 Song N 0:08 Sittasomus griseicapillus (25/3/1995 17:00h, Rancho Grande area, Aragua, Venezuela, 10.21N,67.42W) © Peter Boesman.

1975 3 Olivaceous Woodcreeper 3 Song N 0:07 Sittasomus griseicapillus (24/7/2003 07:30h, Sierra de Aroa, Yaracuy, Venezuela, 10.20N,68.50W) © Peter Boesman.

1975 4 Olivaceous Woodcreeper 4 Song S 0:41 Sittasomus griseicapillus (28/3/1997 06:30h, Gavilan road, Amazonas, Venezuela, 05.36N,67.12W) © Peter Boesman.

1975 5 Olivaceous Woodcreeper 5 Song S 0:31 Sittasomus griseicapillus (2/8/2008 16:30h, Villa Rica Coffee plantations, Pasco, Peru, 10.40S,75.20W) © Peter Boesman

1975 6 Olivaceous Woodcreeper 6 Song S 0:06 Sittasomus griseicapillus (3/1/2008 18:45h, Morro de Calzada, San Martín, Peru, 06.00S,77.05W) © Peter Boesman

1975 7 Olivaceous Woodcreeper 7 Song S 0:16 Sittasomus griseicapillus (27/7/2009 13:00h, Pantiacolla Lodge, Madre de Dios, Peru, 12.39S,71.14W) © Peter Boesman

1976 1 Long-tailed Woodcreeper 1 Song 0:32 Deconychura longicauda (21/7/2005 09:30h, Rio Cristalino Jungle Lodge, Mato Grosso, Brazil, 09.27S,55.54W) © Peter Boesman

1976 2 Long-tailed Woodcreeper 2 Song 1:28 Deconychura longicauda pallida. (Cristalino Jungle Lodge, MT, Brazil, 250m, 11:35h, 07-10-2009, S9.35'53" W55.55'55"). © Andrew Spencer.

1976 3 Long-tailed Woodcreeper 3 Song 0:55 Deconychura longicauda. (Tierra Blanca, Loreto, Peru, 150m, 08:13h, 12-05-2008, S4.16'56" W77.14'26", long song, At an army ant swarm. Response to playback.. also: Ringed Antpiti, White-crowned Manakin © Nick Athanas.

1977 1 Wedge-billed Woodcreeper 1 Song 0:13 Glyphorynchus spirurus (25/3/1997 16:30h, Lower Rio Caura area, Bolivar, Venezuela, 07.15N,65.00W) © Peter Boesman

1977 2 Wedge-billed Woodcreeper 2 Song 0:28 Glyphorynchus spirurus (11/1/2008 06:15h, Morro de Calzada, San Martín, Peru, 06.00S,77.05W) © Peter Boesman

1977 3 Wedge-billed Woodcreeper 3 Song 0:04 Glyphorynchus spirurus (19th July 2010 06h00, Allpahuayo - Mishana Reserve, Loreto, Peru, 120m, S3.50°0' W73.15°0'). © Peter Boesman.

1977 4 Wedge-billed Woodcreeper 4 Song 1:47 Glyphorynchus spirurus. RNA Arriero Antioqueño, Anori, Antioquia, Colombia, 1500m, 07:00h, 18-06-2011, N6.59°10' W75.7°30', song, in response to playback © Andrew Spencer.

1977 5 Wedge-billed Woodcreeper 5 Song 0:47 Glyphorynchus spirurus (2nd February 2011 8h00. RNA El Paujil, Santander, Colombia, 310m, 6.259° N, 74.1541° W). (Background: Plumbeous Pigeon, White-tailed Trogon, Ochre-bellied Flycatcher). © Peter Boesman.

1977 6 Wedge-billed Woodcreeper 6 Call 0:16 Glyphorynchus spirurus (28th July 2010 14h30, Cumaceba lodge, Loreto, Peru, 3°38' S, 73°08' W). (background: Black-fronted Nunbird). © Peter Boesman.

1977 7 Wedge-billed Woodcreeper 7 Call 0:27 Glyphorynchus spirurus (22/10/1994 10:00h, Km 85 area, Bolivar, Venezuela, 06.12N,61.23W) © Peter Boesman

1977 8 Wedge-billed Woodcreeper 8 Call 0:08 Glyphorynchus spirurus (11/11/1993 , Junglaven area, Amazonas, Venezuela, 05.00N,66.23W) © Peter Boesman.

1977 9 Wedge-billed Woodcreeper 9 Excited call 0:09 Glyphorynchus spirurus. RNA Arriero Antioqueño, Anori, Antioquia, Colombia, 1500m, 07:00h, 18-06-2011, N6.59°10' W75.7°30', call, in response to playback © Andrew Spencer.

1980 1 Long-billed Woodcreeper 1 Song 0:40 Nasica longirostris (23/12/1992 08:00h, La Selva lodge, Napo, Ecuador, 00.30S,76.30W) © Peter Boesman

1980 2 Long-billed Woodcreeper 2 Song 0:29 Nasica longirostris (25/7/2005 17:30h, Rio Cristalino Jungle Lodge, Mato Grosso, Brazil, 09.27S,55.54W) © Peter Boesman

1980 3 Long-billed Woodcreeper 3 Song 0:18 Nasica longirostris (9th August 2010 16h00, Peruvian side of Rio Javari, Reserva Natural Palmari, Amazonas, Brazil, 50m, 4°17'20" S, 70°17'41" W). © Peter Boesman.

1980 4 Long-billed Woodcreeper 4 Song 0:46 Nasica longirostris (24th July 2010 7h00, ACTS Explomapo, Loreto, Peru, 120 m. 3°10' S, 72°55' W). (Background: Greyish Mourner, Lineated Woodcreeper). © Peter Boesman.

1980 5 Long-billed Woodcreeper 5 Agitated song 1:06 Nasica longirostris (11th August 2010 16h30, Peruvian side of Rio Javari, Reserva Natural Palmari, Amazonas, Brazil, 50m, 4°17'20" S, 70°17'41" W). © Peter Boesman.

1980 6 Long-billed Woodcreeper 6 Call 0:19 Nasica longirostris (11/11/1993 , Junglaven area, Amazonas, Venezuela, 05.00N,66.23W) © Peter Boesman

1981 1 Cinnamon-throated Woodcreeper 1 Song 1:13 Dendrexetastes rufigula (23/7/2009 08:00h, Amazon Manu Lodge, Madre de Dios, Peru, 12.18S,70.48W) © Peter Boesman

1981 2 Cinnamon-throated Woodcreeper 2 Song 0:06 Dendrexetastes rufigula (29/7/2009 06:00h, Pantiacolla Lodge, Madre de Dios, Peru, 12.39S,71.14W) © Peter Boesman

1981 3 Cinnamon-throated Woodcreeper 3 Song 0:12 Dendrexetastes rufigula (26/7/2005, Alta Floresta area, Mato Grosso, Brazil, 09.54S,55.54W) © Peter Boesman

1981 4 Cinnamon-throated Woodcreeper 4 Song 0:54 Dendrexetastes rufigula (23rd July 2010 18h30, ACTS Explomapo, Loreto, Peru, 120 m. 3°10' S, 72°55' W). © Peter Boesman.

1981 5 Cinnamon-throated Woodcreeper 5 Song 0:43 Dendrexetastes rufigula (7/8/2003 05:30h, Rio Grande area, Bolivar, Venezuela, 08.03N,61.40W) © Peter Boesman.

1982 1 Bar-bellied Woodcreeper 1 Song 0:36 Hylexetastes stresemanni. (August 1992. Cuyabeno faunistic reserve, Sucumbios, Ecuador. 210m. aprox. 00.16S75.53W). (recording of only record for Ecuador!) Song after playback. John V. Moore.

1982 2 Bar-bellied Woodcreeper 2 Song 1:03 Hylexetastes stresemanni insignis (14-06-2011, 05:40h, Mitu, Vaupes, Colombia, 190m, N1.14'45" W70.13'44"). Song in response to playback; from a bird hitching up large trunks. © Andrew Spencer.

1984 1 Strong-billed Woodcreeper 1 Song 0:15 Xiphocolaptes promeropirhynchus (26/7/2007 19:00h, Palmichal area, Carabobo, Venezuela, 10.21N,68.12W) © Peter Boesman.

1984 2 Strong-billed Woodcreeper 2 Call and song 1:30 Xiphocolaptes promeropirhynchus (26/7/2007 19:00h, Palmichal area, Carabobo, Venezuela, 10.21N,68.12W) © Peter Boesman.

1984 3 Strong-billed Woodcreeper 3 Call and song 0:39 Xiphocolaptes promeropirhynchus (24/7/2003 06:30h, Sierra de Aroa, Yaracuy, Venezuela, 10.20N,68.50W) © Peter Boesman.

1984 4 Strong-billed Woodcreeper 4 Song 0:08 Xiphocolaptes promeropirhynchus (10/4/1994 , Cerro Negro, Monagas, Venezuela, 10.14N,63.34W) © Peter Boesman.

1984 5 Strong-billed Woodcreeper 5 Song lowlands 0:11 Xiphocolaptes promeropirhynchus (24/7/2005 17:45h, Rio Cristalino Jungle Lodge, Mato Grosso, Brazil, 09.27S,55.54W) © Peter Boesman

1984 6 Strong-billed Woodcreeper 6 Call 0:34 Xiphocolaptes promeropirhynchus (9/8/2002 08:00h, Cerro de Paja, Carabobo, Venezuela, 10.18N,68.15W) © Peter Boesman

1984 7 Strong-billed Woodcreeper 7 Call 0:30 Xiphocolaptes promeropirhynchus virgatus. Hacienda Las Cruces (Area La Ceja), Toche, Municipio Ibaguè, Tolima, Colombia, 2500m, 15:12h, 20-06-1998, Call © Bernabe Lopez-Lanus.

1988 1 Northern Barred-Woodcreeper 1 Song 0:29 Dendrocolaptes sanctithomae (15/4/1995 , Darien El Real, Darien, Panama, 08.10N,77.45W) © Peter Boesman

1988 2 Northern Barred-Woodcreeper 2 Song 0:08 Dendrocolaptes sanctithomae. (14th March 2010 05h35, La Selva biological station, Heredia, Costa Rica). (Background: Broad-billed Motmot). © Peter Boesman.

1988 3 Northern Barred-Woodcreeper 3 Song 0:56 Dendrocolaptes sanctithomae (21/11/1998 07:00h, Palenque ruins, Chiapas, Mexico, 17.22N,92.00W) © Peter Boesman.

1988 4 Northern Barred-Woodcreeper 4 Song 2:03 Dendrocolaptes sanctithomae. (24th March 2010 17h15, Las Heliconias Lodge, 800m elev., Alajuela, Costa Rica). (Background: Chestnut-mandibled Toucan, White-breasted Wood Wren). © Peter Boesman.

1988 5 Northern Barred-Woodcreeper 5 Call 0:26 Dendrocolaptes sanctithomae (25/12/1991 08:00h, La Selva, Heredia, Costa Rica, 10.20N,84.00W) © Peter Boesman

1989 1 Amazonian Barred-Woodcreeper 1 Song 0:52 Dendrocolaptes certhia (17/2/2006 06:30h, Gareno Lodge, Napo, Ecuador, 01.05S,77.35W) © Peter Boesman

1989 2 Amazonian Barred-Woodcreeper 2 Song 0:53 Dendrocolaptes certhia (24/7/2005 05:40h, Rio Cristalino Jungle Lodge, Mato Grosso, Brazil, 09.27S,55.54W) © Peter Boesman

1989 3 Amazonian Barred-Woodcreeper 3 Call and song 0:22 Dendrocolaptes certhia (21/7/2009 06:30h, Manu Amazonia Lodge, Cuzco, Peru, 12.50S,71.15W) © Peter Boesman

1989 4 Amazonian Barred-Woodcreeper 4 Call 0:05 Dendrocolaptes certhia (19/7/2006 10:00h, Sao Gabriel da Cachoeira area, Amazonas, Brazil, 00.01S,66.30W) © Peter Boesman

1989 5 Amazonian Barred-Woodcreeper 5 Call 0:06 Dendrocolaptes certhia (13/2/1994 , Rio Grande area, Bolivar, Venezuela, 08.03N,61.40W) © Peter Boesman

1989 6 Amazonian Barred-Woodcreeper 6 Nasal call 0:48 Dendrocolaptes certhia concolor (17-10-2009 10:40h, Cristalino Jungle Lodge, MT, Brazil, 250m, S9.35°53' W55.55°55"). Multiple call types from a bird at a small antswarm. © Andrew Spencer.

1990 1 Black-banded Woodcreeper 1 Song N 0:58 Dendrocolaptes picumnus (26/7/2003 07:00h, Casa Maria, Carabobo, Venezuela, 10.19N,68.15W) © Peter Boesman

1990 2 Black-banded Woodcreeper 2 Song N 0:39 Dendrocolaptes picumnus (28/7/2007 07:00h, Palmichal area, Carabobo, Venezuela, 10.21N,68.12W) © Peter Boesman.

1990 3 Black-banded Woodcreeper 3 Song N 0:29 Dendrocolaptes picumnus (22/6/1996 06:00h, La Mision Limestone hills, Falcon, Venezuela, 10.51N,68.33W) © Peter Boesman.

1990 4 Black-banded Woodcreeper 4 Song N 0:37 Dendrocolaptes picumnus (10/4/1994 06:00h, Cerro Negro, Monagas, Venezuela, 10.14N,63.34W) © Peter Boesman.

1990 5 Black-banded Woodcreeper 5 Song S 0:25 Dendrocolaptes picumnus (28/3/1997 06:00h, Samariapo road, Amazonas, Venezuela, 05.15N,67.48W) © Peter Boesman

1990 6 Black-banded Woodcreeper 6 Song S 1:08 Dendrocolaptes picumnus (28/2008 06:00h, Villa Rica Coffee plantations, Pasco, Peru, 10.40S,75.20W) © Peter Boesman

1990 7 Black-banded Woodcreeper 7 Song S 0:20 Dendrocolaptes picumnus (3rd August 2010 5h30, Muyuna lodge, Loreto, Peru, 4°18' S, 73°17' W). © Peter Boesman.

1990 8 Black-banded Woodcreeper 8 Nasal call 0:08 Dendrocolaptes picumnus (7th August 2010 17h00, Rio Javari, Reserva Natural Palmari, Amazonas, Brazil, 50m, 4°17'20" S, 70°17'41" W). © Peter Boesman.

1990 9 Black-banded Woodcreeper 9 Nasal call and agitated 1:20 Dendrocolaptes picumnus (7th August 2010 17h00, Rio Javari, Reserva Natural Palmari, Amazonas, Brazil, 50m, 4°17'20" S, 70°17'41" W). © Peter Boesman.

1993 1 Straight-billed Woodcreeper 1 Song 0:08 Xiphorhynchus picus (2/2/1997 06:00h, Morrocoy NP, Falcon, Venezuela, 10.51N,68.18W) © Peter Boesman.

1993 2 Straight-billed Woodcreeper 2 Song 0:39 Xiphorhynchus picus (6/7/1997 06:00h, Foothills of Serrania de San Luis, Falcon, Venezuela, 11.19N,69.36W) © Peter Boesman.

1993 3 Straight-billed Woodcreeper 3 Song 0:32 Xiphorhynchus picus (3/8/2003 18:00h, Boca de Macareo, Delta Amac, Venezuela, 09.04N,62.03W) © Peter Boesman

1993 4 Straight-billed Woodcreeper 4 Song 0:09 Xiphorhynchus picus (3rd February 2011 9h00, RNA El Paujil, Santander, Colombia, 310m, 6.259° N, 74.1541° W). © Peter Boesman.

1993 5 Straight-billed Woodcreeper 5 Agitated calls 0:43 Xiphorhynchus picus (4th January 2010 17h00, Mana Dulce, Tolima, Colombia, 4° 21' 04"N 74° 39' 06"W). (Background: Rufous-browed Peppershrike). © Peter Boesman.

1993 6 Straight-billed Woodcreeper 6 Agitated calls 0:26 Xiphorhynchus picus (31/12/1996 06:00h, Rio Sarare/Rio Burguita, Apure, Venezuela, 07.14N,71.25W) © Peter Boesman.

1993 7 Straight-billed Woodcreeper 7 Unusual call 0:24 Xiphorhynchus picus (6/8/2000 08:00h, Quibor - Sanare road, Lara, Venezuela, 09.48N,69.36W) © Peter Boesman.

1993 8 Straight-billed Woodcreeper 8 Call 0:24 Xiphorhynchus picus (31/7/2005 08:45h, Pantanal, Pixaim area, Mato Grosso, Brazil, 16.40S,56.50W) © Peter Boesman

1994 1 Zimmer's Woodcreeper 1 Song 0:27 Dendroplex kienieni (2nd August 2010 7h30, Rio Yanayacu area near Muyuna lodge, Loreto, Peru, 4°18' S, 73°17' W). Two birds. © Peter Boesman.

1995 1 Striped Woodcreeper 1 Song 0:29 Xiphorhynchus obsoletus (22/5/1994 , Caño Colorado, Monagas, Venezuela, 09.55N,62.55W) © Peter Boesman

1995 2 Striped Woodcreeper 2 Song 0:18 Xiphorhynchus obsoletus (21/7/2006 06:15h, Moises trail, Sao Gabriel da Cachoeira, Amazonas, Brazil, 00.30S,66.30W) © Peter Boesman

1995 3 Striped Woodcreeper 3 Song 0:09 Xiphorhynchus obsoletus notatus. Mitu, Vaupes, Colombia, 190m, 08:40h, 13-06-2011, N1.14'45" W70.13'44", song, response to playback © Andrew Spencer.

1995 4 Striped Woodcreeper 4 Call 0:45 Xiphorhynchus obsoletus. (Cristalino Jungle Lodge, MT, Brazil, 250m, 09:55h, 18-10-2009, S9.35°53' W55.55°55"). © Andrew Spencer.

1997 1 Ocellated Woodcreeper 1 Song and call 0:36 Xiphorhynchus ocellatus. (21-01-2007 08:46h, Gareno Lodge, 80km east of Tena, Napo, Ecuador, 380m, S1.28° W77.23'49"). Song and calls. In a mixed species flock, responding to playback. © Nick Athanas.

1997 2 Ocellated Woodcreeper 2 Call 0:50 Xiphorhynchus ocellatus (17/2/2006 08:00h, Gareno Lodge, Napo, Ecuador, 01.05S,77.35W) © Peter Boesman

1997 3 Ocellated Woodcreeper 3 Call 0:55 Xiphorhynchus ocellatus napensis. (Yasuni Research Station, Parque Nacional Yasuni, Orellana, Ecuador, 250m, 17:00h, 10-01-2011, S0.40'27" W76.23'52"). (Background: Lawrence's Thrush, Banded Antbird, Variegated Tinamou). © Andrew Spencer.

1998 1 Elegant Woodcreeper 1 Song 0:38 Xiphorhynchus elegans (23rd July 2010 18h00, ACTS Explornapo, Loreto, Peru, 120 m. 3°10' S, 72°55' W). (Background: Thrush-like Antpitta). © Peter Boesman.

1998 2 Elegant Woodcreeper 2 Call 0:03 Xiphorhynchus elegans (23/7/2005 17:30h, Alta Floresta area, Mato Grosso, Brazil, 09.54S,55.54W) © Peter Boesman

1998 3 Elegant Woodcreeper 3 Call and song 1:14 Xiphorhynchus elegans (24th July 2010 17h30, ACTS Explornapo, Loreto, Peru, 120 m. 3°10' S, 72°55' W). (Background: Thrush-like Antpitta). © Peter Boesman.

1998 4 Elegant Woodcreeper 4 Call and song 0:44 Xiphorhynchus elegans (23rd July 2010 18h00, ACTS Explornapo, Loreto, Peru, 120 m. 3°10' S, 72°55' W). © Peter Boesman.

1998 5 Elegant Woodcreeper 5 Excited call 0:53 Xiphorhynchus elegans (23rd July 2010 10h00, Allpahuayo - Mishana Reserve, Loreto, Peru, 120m, S3.50°0' W73.15°0'). Presumably this species. © Peter Boesman.

1999 1 Spix's Woodcreeper 1 Call 0:32 Xiphorhynchus spixii (13/1/2005, Carajás, Aguas Claras area, Pará, Brazil, 06.00S,50.30W) © Peter Boesman

1999 2 Spix's Woodcreeper 2 Call 0:12 Xiphorhynchus spixii (13/1/2005 11:00h, Carajás, Aguas Claras area, Pará, Brazil, 06.00S,50.30W) © Peter Boesman.

1999 3 Spix's Woodcreeper 3 Call 0:15 Xiphorhynchus spixii (26/7/2005 09:45h, Rio Cristalino Jungle Lodge, Mato Grosso, Brazil, 09.27S,55.54W) © Peter Boesman.

1999 4 Spix's Woodcreeper 4 Call 0:32 Xiphorhynchus spixii. (Cristalino Jungle Lodge, MT, Brazil, 250m, 11:30h, 07-10-2009, S9.35°53' W55.55°55"). (Background: Cinereous Antshrike). © Andrew Spencer.

2001 1 Cocoa Woodcreeper 1 Song 1:02 Xiphorhynchus susurrans (25/7/2003 17:45h, Canoabo area, Carabobo, Venezuela, 10.20N,68.18W) © Peter Boesman.

2001 2 Cocoa Woodcreeper 2 Song 0:38 Xiphorhynchus susurrans (29/7/2003 06:00h, Finca Vuelta Larga, Sucre, Venezuela, 10.30N,63.00W) © Peter Boesman

2001 3 Cocoa Woodcreeper 3 Song 1:35 Xiphorhynchus susurrans (11/8/2007 07:00h, Barinitas area, Barinas, Venezuela, 08.46N,70.27W) © Peter Boesman.

2001 4 Cocoa Woodcreeper 4 Song 0:52 Xiphorhynchus susurrans (5th January 2010 6h00, Mana Dulce, Tolima, Colombia, 4° 21' 04"N 74° 39' 06"W). © Peter Boesman.

2001 5 Cocoa Woodcreeper 5 Call 0:04 Xiphorhynchus susurrans (2/11/1996 08:00h, La Mision Limestone hills, Falcon, Venezuela, 10.51N,68.33W) © Peter Boesman.

2001 6 Cocoa Woodcreeper 6 Call 0:07 Xiphorhynchus susurrans (30/7/2003 09:00h, Cerro Humo, Sucre, Venezuela, 10.41N,62.37W) © Peter Boesman.

2001 7 Cocoa Woodcreeper 7 Call 0:12 Xiphorhynchus susurrans (4th January 2010 15h00, Mana Dulce, Tolima, Colombia, 4° 21' 04"N 74° 39' 06"W). (Background: Pheasant Cuckoo). © Peter Boesman.

2002 1 Buff-throated Woodcreeper 1 Song 0:24 Xiphorhynchus guttatus (19th July 2010 17h00, Allpahuayo - Mishana Reserve, Loreto, Peru, 120m, S3.50°0' W73.15°0'). © Peter Boesman.

2002 2 Buff-throated Woodcreeper 2 Song 0:57 Xiphorhynchus guttatus (23rd July 2010 6h30, ACTS Explornapo, Loreto, Peru, 120 m. 3°10' S, 72°55' W). © Peter Boesman.

2002 3 Buff-throated Woodcreeper 3 Song 0:23 Xiphorhynchus guttatus (24/3/1997 10:30h, Lower Rio Caura area, Bolivar, Venezuela, 07.15N,65.00W) © Peter Boesman.

2002 4 Buff-throated Woodcreeper 4 Song 0:35 Xiphorhynchus guttatus (13/2/1994 , Rio Grande area, Bolivar, Venezuela, 08.03N,61.40W) © Peter Boesman.

2002 5 Buff-throated Woodcreeper 5 Song 1:36 Xiphorhynchus guttatus (5/8/2003 18:00h, La Sirena, El Palmar, Bolivar, Venezuela, 08.10N,61.55W) © Peter Boesman.

2002 6	Buff-throated Woodcreeper 6 Call and song	1:40 Xiphorhynchus guttatus (6/8/2003 05:30h, Rio Grande area, Bolivar, Venezuela, 08.03N,61.40W) © Peter Boesman
2002 7	Buff-throated Woodcreeper 7 Call	0:05 Xiphorhynchus guttatus (25/3/1997 09:30h, Lower Rio Caura area, Bolivar, Venezuela, 07.15N,65.00W) © Peter Boesman.
2002 8	Buff-throated Woodcreeper 8 Call	0:17 Xiphorhynchus guttatus (7/8/2003 18:00h, Dry forest W of El Palmar, Bolivar, Venezuela, 07.58N,62.13W) © Peter Boesman.
2002 9	Buff-throated Woodcreeper 9 Call SW	0:19 Xiphorhynchus guttatoides (22/7/2006 06:00h, Tabajos tracks, Sao Gabriel da Cacheira, Amazonas, Brazil, 00.10S,67.00W) © Peter Boesman.
2003 1	Black-striped Woodcreeper 1 song	0:06 Xiphorhynchus lachrymosus. (14/1/1993 16:00h, Corcovado NP, Puntarenas, Costa Rica, 08.40N,83.40W) © Gunter De Smet
2003 2	Black-striped Woodcreeper 2 song	1:05 Xiphorhynchus lachrymosus. (20th March 2010 10h20, Esquinas lodge, 100m elev., Piedras Blancas NP, Puntarenas, Costa Rica). (Background: Chestnut-backed Antbird). © Peter Boesman.
2003 3	Black-striped Woodcreeper 3 song and call	0:51 Xiphorhynchus lachrymosus. (13th March 2010 17h15, La Selva biological station, Heredia, Costa Rica). (Background: Black-mandibled Toucan). © Peter Boesman.
2003 4	Black-striped Woodcreeper 4 call	0:04 Xiphorhynchus lachrymosus. (20th March 2010 09h40, Esquinas lodge, 100m elev., Piedras Blancas NP, Puntarenas, Costa Rica). (Background: Baird's Trogon). © Peter Boesman.
2003 5	Black-striped Woodcreeper 5 call	0:02 Xiphorhynchus lachrymosus. (14th March 2010 05h30, La Selva biological station, Heredia, Costa Rica) © Peter Boesman.
2003 6	Black-striped Woodcreeper 6 call	0:04 Xiphorhynchus lachrymosus (25/2/2006 09:00h, Silanche reserve, Pichincha, Ecuador, 00.10N,79.15W) © Peter Boesman
2003 7	Black-striped Woodcreeper 7 call	0:04 Xiphorhynchus lachrymosus (14/1/1993 16:00h, Corcovado NP, Puntarenas, Costa Rica, 08.40N,83.40W) © Gunter De Smet
2003 8	Black-striped Woodcreeper 8 call	0:03 Xiphorhynchus lachrymosus. (21st March 2010 10h45, Esquinas lodge, 100m elev., Piedras Blancas NP, Puntarenas, Costa Rica). (Background: Blue-crowned Motmot). © Peter Boesman.
2003 9	Black-striped Woodcreeper 9 Call	0:14 Xiphorhynchus lachrymosus. (2nd February 2011 7h00. RNA El Paujil, Santander, Colombia, 310m, 6.2'59" N, 74.15'41" W), © Peter Boesman.
2004 1	Spotted Woodcreeper 1 song	0:38 Xiphorhynchus erythropygius. (26th March 2010 08h45, Las Heliconias Lodge, 800m elev., Alajuela, Costa Rica). (Background: Lesser Greenlet). © Peter Boesman.
2004 2	Spotted Woodcreeper 2 song	0:14 Xiphorhynchus erythropygius. (25th March 2010 06h50, Las Heliconias Lodge, 800m elev., Alajuela, Costa Rica). © Peter Boesman.
2004 3	Spotted Woodcreeper 3 Call ()	0:37 Xiphorhynchus erythropygius (8th February 2011 17h00. RNA Las Tangaras near Carmen del Atrato, Antioquia, Colombia). © Peter Boesman.
2005 1	Olive-backed Woodcreeper 1 Song	0:30 Xiphorhynchus triangularis (21/2/2006 16:00h, San Isidro lodge, Napo, Ecuador, 00.40S,77.55W) © Peter Boesman
2005 2	Olive-backed Woodcreeper 2 Song QQ	0:50 Xiphorhynchus triangularis (5/1/2008 10:20h, Abra Patricia road, San Martin, Peru, 05.50S,77.46W) © Peter Boesman
2005 3	Olive-backed Woodcreeper 3 Call	0:37 Xiphorhynchus triangularis (1/10/1996 , Choroni road, Aragua, Venezuela, 10.22N,67.35W) © Gustavo Rodriguez
2005 4	Olive-backed Woodcreeper 4 Call	0:29 Xiphorhynchus triangularis. (18-05-2008 06:52h, ACP Abra Patricia-Alto Nieva, San Martin, Peru, 2040m). The odd sque-UP call. (Background: Three-striped Warbler, Russet-crowned Warbler). © Nick Athanas.
2006 1	Streak-headed Woodcreeper 1 Song and call	0:41 Lepidocolaptes souleyetii (23/7/2003 07:15h, Casa Maria, Carabobo, Venezuela, 10.19N,68.15W) © Peter Boesman
2006 2	Streak-headed Woodcreeper 2 Call	0:39 Lepidocolaptes souleyetii (23/7/2003 07:15h, Casa Maria, Carabobo, Venezuela, 10.19N,68.15W) © Peter Boesman
2006 3	Streak-headed Woodcreeper 3 Call	0:16 Lepidocolaptes souleyetii (22/5/1994 , Caño Colorado, Monagas, Venezuela, 09.55N,62.55W) © Peter Boesman.
2006 4	Streak-headed Woodcreeper 4 Call	0:04 Lepidocolaptes souleyetii (30/7/2002 07:30h, Gran Sabana southern side, Bolivar, Venezuela, 04.59N,60.50W) © Peter Boesman.
2006 5	Streak-headed Woodcreeper 5 Agitated calls	0:36 Lepidocolaptes souleyetii (9/3/1997 10:30h, Yacambu NP, Lara, Venezuela, 09.43N,69.35W) © Peter Boesman.
2008 1	Montane Woodcreeper 1 Song	0:28 Lepidocolaptes lacrymiger (29/7/2000 09:00h, El Morro road, Merida, Venezuela, 08.30N,71.05W) © Peter Boesman.
2008 2	Montane Woodcreeper 2 Song	0:28 Lepidocolaptes lacrymiger (14/2/2006 11:00h, San Isidro lodge, Napo, Ecuador, 00.40S,77.55W) © Peter Boesman
2008 3	Montane Woodcreeper 3 Song	0:57 Lepidocolaptes lacrymiger (5/8/2008 09:15h, Lower Satipo road, Junin, Peru, 11.30S,74.50W) © Peter Boesman
2008 4	Montane Woodcreeper 4 Song	0:26 Lepidocolaptes lacrymiger sneidemi. Santuario Otun-Quimbaya, La Suiza, Riseralda, Colombia, 10:40h, 26-07-2008, Song © Andrew Spencer.
2011 1	Lineated Woodcreeper 1 Song	0:05 Lepidocolaptes albolineatus (24th July 2010 7h30, ACTS Explomapo, Loreto, Peru, 120 m. 3°10' S, 72°55' W). © Peter Boesman.
2011 2	Lineated Woodcreeper 2 Song	0:05 Lepidocolaptes albolineatus (24/3/1997 09:00h, Lower Rio Caura area, Bolivar, Venezuela, 07.15N,65.00W) © Peter Boesman.
2011 3	Lineated Woodcreeper 3 Song	0:37 Lepidocolaptes albolineatus (24/3/1997 09:00h, Lower Rio Caura area, Bolivar, Venezuela, 07.15N,65.00W) © Peter Boesman.
2011 4	Lineated Woodcreeper 4 Song	0:35 Lepidocolaptes albolineatus (7/4/1985 , San Carlos de Rio Negro, Amazonas, Venezuela, 01.55N,67.02W) © Chris Parrish.
2012 1	Red-billed Scythebill 1 Song	0:31 Campylorhamphus trochilrostris (27/7/2000 08:00h, Finca Monteverde at Olinda II, Merida, Venezuela, 08.45N,71.28W) © Peter Boesman.
2012 2	Red-billed Scythebill 2 Song	0:28 Campylorhamphus trochilrostris (1/4/1994 , Paria peninsula hills, Sucre, Venezuela, 10.41N,62.37W) © Peter Boesman.
2012 3	Red-billed Scythebill 3 Song	0:45 Campylorhamphus trochilrostris (30/4/1995 09:20h, Serrania de San Luis, Falcon, Venezuela, 11.12N,69.42W) © Peter Boesman.
2012 4	Red-billed Scythebill 4 Call	0:36 Campylorhamphus trochilrostris (3/8/2000 07:30h, Obra la Toma, Tachira, Venezuela, 07.56N,71.43W) © Peter Boesman.
2012 5	Red-billed Scythebill 5 Call	0:45 Campylorhamphus trochilrostris (26/7/2007 19:00h, Palmichal area, Carabobo, Venezuela, 10.21N,68.12W) © Peter Boesman.
2012 6	Red-billed Scythebill 6 Call	1:26 Campylorhamphus trochilrostris (16/8/2007 07:00h, Nirgua area, San Felipe, Venezuela, 10.15N,68.30W) © Peter Boesman.
2014 1	Curve-billed Scythebill 1 Song	0:31 Campylorhamphus procurvoides (2/8/2002 10:00h, Lower escalera, Bolivar, Venezuela, 06.00N,61.22W) © Peter Boesman
2014 2	Curve-billed Scythebill 2 Song	0:17 Campylorhamphus procurvoides (2/8/2002, Lower escalera, Bolivar, Venezuela, 06.00N,61.22W) © Peter Boesman
2014 3	Curve-billed Scythebill 3 Agitated song	0:41 Campylorhamphus procurvoides (18/7/2006 10:00h, Presidente Figueiredo area, Amazonas, Brazil, 02.00S,60.00W) © Peter Boesman
2015 1	Brown-billed Scythebill 1 song	0:42 Campylorhamphus pusillus (15/4/1995 08:00h, Cana, Darien, Panama, 07.50N,77.40W) © Peter Boesman
2015 2	Brown-billed Scythebill 2 song	1:00 Campylorhamphus pusillus. (15th March 2010 10h00, Braulio Carrillo NP, Quebrada Gonzalez HQ, Las Palmas trail, 500m elev., Heredia, Costa Rica). (Background: Streak-crowned Antvireo, Nightingale Wren). © Peter Boesman.
2015 3	Brown-billed Scythebill 3 Song	0:28 Campylorhamphus pusillus. Ibaguè, Tolima, Colombia, 2200m, 21-05-2007, N4.26'20" W75.13'55", song?, two types of phrase here AABABA, just north of town © Frank Lambert.
2015 4	Brown-billed Scythebill 4 call	0:06 Campylorhamphus pusillus (1/1/1993 17:15h, El Plastico, Heredia, Costa Rica, 10.20N,84.00W) © Gunter De Smet
2016 1	White-fronted Tyrannulet 1 Song	0:10 Phyllomyias zeledoni (15/2/2006 08:00h, Sumaco road, Napo, Ecuador, 00.45S,77.35W) © Peter Boesman.
2016 2	White-fronted Tyrannulet 2 Song	0:07 Phyllomyias zeledoni (March 2009, Henri Pittier, Aragua, Venezuela) © Hans Matheve.
2016 3	White-fronted Tyrannulet 3 Call ()	0:07 Phyllomyias zeledoni (1/8/1997 , Rancho Grande area, Aragua, Venezuela, 10.21N,67.42W) © Gustavo Rodriguez.
2016 4	White-fronted Tyrannulet 4 Call and song	0:30 Phyllomyias zeledoni (March 2009, Henri Pittier, Aragua, Venezuela) © Hans Matheve.
2023 1	Sooty-headed Tyrannulet 1 Song	0:20 Phyllomyias griseiceps (8/3/1997 12:00h, Yacambu NP, Lara, Venezuela, 09.43N,69.35W) © Peter Boesman.
2023 2	Sooty-headed Tyrannulet 2 Duet	0:27 Phyllomyias griseiceps (22/7/2003 08:30h, Casa Maria, Carabobo, Venezuela, 10.19N,68.15W) © Peter Boesman.
2023 3	Sooty-headed Tyrannulet 3 Song	0:24 Phyllomyias griseiceps (1st February 2011 8h00. RNA Reinita Cielo Azul, San Vicente de Chucurí, Santander, Colombia, 1800m, N.5047" N, 73.22'30" W), © Peter Boesman.
2023 4	Sooty-headed Tyrannulet 4 Song	1:25 Phyllomyias griseiceps (5th January 2010 13h00. Laguna Pedro Palo, Cundinamarca, Colombia, 4°41' 0"N 74°23' 21"W). © Peter Boesman.
2023 5	Sooty-headed Tyrannulet 5 Call	0:33 Phyllomyias griseiceps (8/3/1997 12:00h, Yacambu NP, Lara, Venezuela, 09.43N,69.35W) © Peter Boesman.
2024 1	Black-capped Tyrannulet 1 Song	0:53 Phyllomyias nigrocappillus (6th February 2011 8h30. Jardin, Antioquia, Colombia 6° 58' 03" N, 75° 31' 38" W). © Peter Boesman.
2024 2	Black-capped Tyrannulet 2 Song	0:18 Phyllomyias nigrocappillus (5/1/2008 08:30h, Abra Patricia road, San Martin, Peru, 05.50S,77.46W) © Peter Boesman
2024 3	Black-capped Tyrannulet 3 Song	0:24 Phyllomyias nigrocappillus (6th February 2011 9h00. Jardin, Antioquia, Colombia 6° 58' 03" N, 75° 31' 38" W). © Peter Boesman.
2025 1	Ashy-headed Tyrannulet 1 Song	0:07 Phyllomyias cinereiceps (21/2/2006 09:00h, San Isidro lodge, Napo, Ecuador, 00.40S,77.55W) © Peter Boesman
2025 2	Ashy-headed Tyrannulet 2 Song	0:13 Phyllomyias cinereiceps (21/2/2006 09:30h, San Isidro lodge, Napo, Ecuador, 00.40S,77.55W) © Peter Boesman
2025 3	Ashy-headed Tyrannulet 3 Song	0:20 Phyllomyias cinereiceps (21/12/1996 17:00h, Matamula area, Tachira, Venezuela, 07.42N,72.26W) © Peter Boesman.
2025 4	Ashy-headed Tyrannulet 4 Song	0:11 Phyllomyias cinereiceps. El 18, Valle del Cauca, Colombia, 7m, 08:00h, 17-07-2008, song, also: Dull-colored Grassquit © Andrew Spencer.
2026 1	Tawny-rumped Tyrannulet 1 Song	0:34 Phyllomyias uropygialis (21/1/1993 , Mindo area , Ecuador, 00.03N,78.45W) © Peter Boesman

2026 2 Tawny-rumped Tyrannulet 2 Song
2026 3 Tawny-rumped Tyrannulet 3 Song
2026 4 Tawny-rumped Tyrannulet 4 Song
2027 1 Plumbeous-crowned Tyrannulet 1 Call
2027 2 Plumbeous-crowned Tyrannulet 2 Call
2029 1 Yellow-crowned Tyrannulet 1 Song
2029 2 Yellow-crowned Tyrannulet 2 Song
2029 3 Yellow-crowned Tyrannulet 3 Song
2030 1 Forest Elaenia 1 Call
2030 2 Forest Elaenia 2 Call
2030 3 Forest Elaenia 3 Excited call
2030 4 Forest Elaenia 4 Excited call
2031 1 Gray Elaenia 1 Song
2031 2 Gray Elaenia 2 Song
2031 3 Gray Elaenia 3 Song
2031 4 Gray Elaenia 4 Song
2035 1 Greenish Elaenia 1 Dawn song
2035 2 Greenish Elaenia 2 Day song
2035 3 Greenish Elaenia 3 call
2035 4 Greenish Elaenia 4 call
2036 1 Yellow-bellied Elaenia 1 Dawn song
2036 1 Yellow-bellied Elaenia 1 Dawn song
2036 2 Yellow-bellied Elaenia 2 Song
2036 3 Yellow-bellied Elaenia 3 Song
2036 4 Yellow-bellied Elaenia 4 Song
2036 5 Yellow-bellied Elaenia 5 Song
2036 6 Yellow-bellied Elaenia 6 Call
2036 7 Yellow-bellied Elaenia 7 Call
2038 1 Large Elaenia 1 Call
2038 2 Large Elaenia 2 Call
2040 1 White-crested Elaenia 1 Call
2040 2 White-crested Elaenia 2 Call
2041 1 Small-billed Elaenia 1 Song
2041 2 Small-billed Elaenia 2 Song
2041 3 Small-billed Elaenia 3 Call
2041 4 Small-billed Elaenia 4 Call
2043 1 Slaty Elaenia 1 Song
2044 1 Mottled-backed Elaenia 1 Call
2045 1 Brownish Elaenia 1 Call
2046 1 Plain-crested Elaenia 1 Call
2046 2 Plain-crested Elaenia 2 Call
2047 1 Lesser Elaenia 1 Dawn song
2047 2 Lesser Elaenia 2 Song
2047 3 Lesser Elaenia 3 Song
2047 4 Lesser Elaenia 4 Call
2048 1 Rufous-crowned Elaenia 1 Call
2048 2 Rufous-crowned Elaenia 2 Call
2048 3 Rufous-crowned Elaenia 3 Call
2049 1 Mountain Elaenia 1 dawn song
2049 2 Mountain Elaenia 2 Call
2049 3 Mountain Elaenia 3 Call
2049 4 Mountain Elaenia 4 Call
2049 5 Mountain Elaenia 5 Call
2049 6 Mountain Elaenia 6 Call
2052 1 Sierran Elaenia 1 Dawn song
2052 2 Sierran Elaenia 2 Call
2052 3 Sierran Elaenia 3 Call
2052 4 Sierran Elaenia 4 Call
2052 5 Sierran Elaenia 5 Call
2053 1 Brown-capped Tyrannulet 1 Song
2053 2 Brown-capped Tyrannulet 2 Song
2054 1 White-lored Tyrannulet 1 Song
2054 2 White-lored Tyrannulet 2 Song

0:16 Phyllomyias uropygialis (24/12/1994 09:30h, Siberia near Comarapa, Santa Cruz, Bolivia, 18.14S,65.00W) © Peter Boesman.
0:33 Phyllomyias uropygialis. Cerro de Guadalupe, Bogota, Colombia, 3240m, 10:14h, 22-02-2010, song/call, Response to playback. © Nick Athanas.
0:20 Phyllomyias uropygialis. Bogota-Quebrada la Vieja, Colombia, 2900m, 07:00h, 12-12-2002, © Doug Knapp.
0:04 Phyllomyias plumbeiceps (29/12/2007 11:00h, Abra Patricia road, San Martín, Peru, 05.50S,77.46W) © Peter Boesman.
0:21 Phyllomyias plumbeiceps (31st January 2011 8h00. RNA Reinita Cielo Azul, San Vicente de Chucurí, Santander, Colombia, 1900m, N.5047° N, 73.2230° W), © Peter Boesman.
0:21 Tyrannulus elatus (22/1/2005, Carajás, Airport area, Pará, Brazil, 06.00S,50.10W) © Peter Boesman
0:06 Tyrannulus elatus (1/11/1993, Junglaven area, Amazonas, Venezuela, 05.00N,66.23W) © Peter Boesman
0:07 Tyrannulus elatus (27/7/2009 13:00h, Pantiacolla Lodge, Madre de Dios, Peru, 12.39S,71.14W) © Peter Boesman
0:57 Myiopagis gaimardii (6/11/1994 08:30h, Caño Colorado, Monagas, Venezuela, 09.55N,62.55W) © Peter Boesman.
0:14 Myiopagis gaimardii (6/11/1994 08:30h, Caño Colorado, Monagas, Venezuela, 09.55N,62.55W) © Peter Boesman.
0:37 Myiopagis gaimardii (23/12/1997 09:30h, Canoabo area, Carabobo, Venezuela, 10.20N,68.18W) © Peter Boesman.
0:31 Myiopagis gaimardii (23/12/1997 09:30h, Canoabo area, Carabobo, Venezuela, 10.20N,68.18W) © Peter Boesman.
0:40 Myiopagis caniceps (24/7/2005 07:00h, Rio Cristalino Jungle Lodge, Mato Grosso, Brazil, 09.27S,55.54W) © Peter Boesman
0:51 Myiopagis caniceps (27/7/2009 06:30h, Pantiacolla Lodge, Madre de Dios, Peru, 12.39S,71.14W) © Peter Boesman
0:20 Myiopagis caniceps (25th July 2010 9h30, ACTS Explornapo, Loreto, Peru, 120 m. 3°10' S, 72°55' W). © Peter Boesman.
0:27 Myiopagis caniceps (18/1/2005 07:00h, Carajás, Aguas Claras area, Pará, Brazil, 06.00S,50.30W) © Peter Boesman.
0:25 Myiopagis viridicata (5/8/2003 06:00h, Dry forest W of El Palmar, Bolívar, Venezuela, 07.58N,62.13W) © Peter Boesman
1:08 Myiopagis viridicata (5/8/2003 06:15h, Dry forest W of El Palmar, Bolívar, Venezuela, 07.58N,62.13W) © Peter Boesman
0:44 Myiopagis viridicata (10/4/2003 10:15h, Bonampak, Chiapas, Mexico, 16.42N,91.05W) © Peter Boesman
0:23 Myiopagis viridicata (18/11/1998 09:00h, Felipe Carrillo, Quintana Roo, Mexico, 19.40N,87.45W) © Peter Boesman
0:27 Elaenia flavogaster flavogaster. (Mana, village, French Guiana, 2m, 29-06-2008), Natural recording. © Alexandre Renaudier.
0:54 Elaenia flavogaster. (22nd March 2010 05h25, Esquinas lodge, 100m elev., Piedras Blancas NP, Puntarenas, Costa Rica). (Background: Blue-grey Tanager). © Peter Boesman.
0:10 Elaenia flavogaster (19/7/2005, Chapada dos Guimarães, Mato Grosso, Brazil, 15.20S,55.50W) © Peter Boesman
0:14 Elaenia flavogaster (8/8/2003 06:00h, Villa Lola area, Bolívar, Venezuela, 07.55N,62.00W) © Peter Boesman
0:08 Elaenia flavogaster (2/8/2004 16:15h, Serra da Canastra, Minas Gerais, Brazil, 20.15S,46.37W) © Peter Boesman.
0:09 Elaenia flavogaster (10/11/1996 07:00h, San Pablo marsh, Carabobo, Venezuela, 10.31N,68.22W) © Peter Boesman.
0:05 Elaenia flavogaster (28/7/2002 05:30h, Gran Sabana southern side, Bolívar, Venezuela, 04.59N,60.50W) © Peter Boesman
0:06 Elaenia flavogaster (21/12/1996 06:00h, San Juan de Colon, Tachira, Venezuela, 08.05N,72.16W) © Peter Boesman.
0:11 Elaenia spectabilis. (Serra de Baturité, Ceará, Brazil, 1050m, 12:10h, 06-01-2006, S4.14°0" W38.55°0"). (Background: Pale-breasted Thrush). © Nick Athanas.
0:21 Elaenia spectabilis. (Serra de Baturité, Ceará, Brazil, 1050m, 12:00h, 06-01-2006, S4.14°0" W38.55°0"). (Background: Variable Antshrike, Social Flycatcher). © Nick Athanas.
1:52 Elaenia albiceps (11/1/2008 09:00h, Cajamarca area, Cajamarca, Peru, 07.10S,78.30W) © Peter Boesman
0:36 Elaenia albiceps urubamba. (15-02-2009 18:05h, Mollebamba, Cusco, Peru, 3300m). (Background: Rufous-collared Sparrow). © David Geale.
0:19 Elaenia parvirostris. (Estancia El Potrero (casco), Gualaguaychu, Entre Rios, Argentina, Dawn). © Bernabe Lopez-Lanus.
0:18 Elaenia parvirostris. (Sierra Chica, Villa Gral Belgrano, Calamuchita, Cordoba, Argentina, Dawn, 23-10-2001). © Bernabe Lopez-Lanus.
0:18 Elaenia parvirostris. (Estancia El Potrero (alrededores Puerto Unzue), Gualaguaychu, Entre Rios, Argentina). 'Pek' call. © Bernabe Lopez-Lanus.
0:23 Elaenia parvirostris. (Estancia El Potrero (alrededores Puerto Unzue), Gualaguaychu, Entre Rios, Argentina). 'Feuu' call © Bernabe Lopez-Lanus.
0:12 Elaenia strepera. (04-12-2006 17:18h, Abra Santa Laura, Salta, Argentina, 1520m, S24.30'40" W65.20'44"). After playback. Loud call at 4.6s unidentified. © Nick Athanas.
0:58 Elaenia gigas. Parque Nacional Podocarpus, sector Rio Bombuscaro, Zamora-Chinchipe, Ecuador, 1000m, 16:30h, 21-12-2007, S4.6'50" W78.57'49", song? © Andrew Spencer.
0:09 Elaenia pelzelni. (25th July 2010 17h45, Explornapo, Loreto, Peru, 120 m. 3°10' S, 72°55' W). © Peter Boesman.
0:27 Elaenia cristata. (20-06-2005 08:00h, Serra do Cipo, MG, Brazil, 1500m, S19.18°0" W43.35°30"). © Nick Athanas.
0:07 Elaenia cristata (29/7/2002 08:30h, Gran Sabana northern side, Bolívar, Venezuela, 05.40N,61.20W) © Peter Boesman
1:27 Elaenia chiriquensis. (22nd March 2010 05h20, Esquinas lodge, 100m elev., Piedras Blancas NP, Puntarenas, Costa Rica). (Background: Blue-grey Tanager). © Peter Boesman.
0:16 Elaenia chiriquensis (19/3/2000, Arekuna, Venezuela, , Venezuela.) © Gustavo Rodriguez
0:30 Elaenia chiriquensis (20/3/2000 06:00h, Canaima, Rio Carrao, Bolívar, Venezuela, 06.15N,62.40W) © Chris Sharpe
0:38 Elaenia chiriquensis (24/1/1995 07:00h, Guataparó area, Carabobo, Venezuela, 10.13N,68.05W) © Peter Boesman
0:23 Elaenia ruficeps. (Mitu, Vaupes, Colombia, 190m, 06:35h, 13-06-2011, N1.14'45" W70.13'44"). Call from a pair in response to playback. © Andrew Spencer.
0:09 Elaenia ruficeps. (Mitu, Vaupes, Colombia, 190m, 06:35h, 13-06-2011, N1.14'45" W70.13'44"). Call in response to playback from one of a pair. © Andrew Spencer.
0:54 Elaenia ruficeps. (Reserve Naturelle de la Trinite, French Guiana, 400m, 17-10-2009). Call, after playback (Background: Tropical Kingbird). © Alexandre Renaudier.
0:27 Elaenia frantzii. (18th March 2010 05h30, Mirador de Quetzales, km70 Cerro de la Muerte, 2750m elev., San José, Costa Rica). (Background: Rufous-collared Sparrow). © Peter Boesman.
0:23 Elaenia frantzii (1/3/1997 07:00h, Colonia Tovar area, Aragua, Venezuela, 10.24N,67.20W) © Peter Boesman
1:12 Elaenia frantzii. (18th March 2010 11h00, Mirador de Quetzales, km70 Cerro de la Muerte, 2750m elev., San José, Costa Rica). © Peter Boesman.
0:35 Elaenia frantzii (21/6/1992, Yacambu NP, Lara, Venezuela, 09.43N,69.35W) © Peter Boesman.
0:59 Elaenia frantzii pudica. Laguna de Pedro Palo, Cundinamarca, Colombia, 2000m, 08:15h, 05-06-2011, N4.41°0" W74.23°0", song, natural vocalization © Andrew Spencer.
0:11 Elaenia frantzii (1/3/1997 07:00h, Colonia Tovar area, Aragua, Venezuela, 10.24N,67.20W) © Peter Boesman.
0:49 Elaenia pallatangae (30th December 2009 7h00. R.N. Rio Blanco, Caldas, Colombia, 2600m, 5°5' N 75°30'W). (Background: Azara Spinetail, Great Thrush). © Peter Boesman.
0:40 Elaenia pallatangae (27/7/2002, Upper escalera, Bolívar, Venezuela, 05.58N,61.24W) © Peter Boesman
0:27 Elaenia pallatangae (29/3/2000 07:00h, Rio Aberaima, SW Guaiquinima, Bolívar, Venezuela, 05.47N,63.42W) © Chris Sharpe.
0:11 Elaenia pallatangae (March 2009, Upper escalera, Bolívar, Venezuela, 05.58N,61.24W) © Hans Matheve.
0:27 Elaenia pallatangae (29th December 2009 8h00. R.N. Rio Blanco, Caldas, Colombia, 2600m, 5°5' N 75°30'W). © Peter Boesman.
0:05 Omithion brunneicapillus (25/2/2006 10:00h, Silanche reserve, Pichincha, Ecuador, 00.10N,79.15W) © Peter Boesman.
0:23 Omithion brunneicapillus (12/4/1997, Fort Sherman, Panama,) © Dodge Engleman.
0:25 Omithion inermis (21/7/2005 09:00h, Rio Cristalino Jungle Lodge, Mato Grosso, Brazil, 09.27S,55.54W) © Peter Boesman
0:09 Omithion inermis (3/1/2008 09:00h, Tarapoto tunnel road, San Martín, Peru, 06.25S,76.15W) © Peter Boesman

2054 3 White-lored Tyrannulet 3 Song 0:24 Omithion inerne. Mitu, Vaupes, Colombia, 190m, 09:00h, 12-06-2011, N1.14'45" W70.13'44", song, natural vocalization © Andrew Spencer.

2054 4 White-lored Tyrannulet 4 Song 0:17 Omithion inerne (16/4/1992 - Lower Rio Caura area, Bolivar, Venezuela, 07.15N.65.00W) © Peter Boesman

2054 5 White-lored Tyrannulet 5 Song 0:18 Omithion inerne (14/2/1994 - Rio Grande area, Bolivar, Venezuela, 08.03N.61.40W) © Peter Boesman

2054 6 White-lored Tyrannulet 6 Song 0:22 Omithion inerne (25/7/2002 07:00h, km 88 area, Bolivar, Venezuela, 06.12N.61.24W) © Peter Boesman

2055 1 Southern Beardless-Tyrannulet 1 Day song 0:29 Camplostoma obsoletum (23/12/1997 09:00h, Canobo area, Carabobo, Venezuela, 10.20N.68.18W) © Peter Boesman.

2055 2 Southern Beardless-Tyrannulet 2 Song S 0:21 Camplostoma obsoletum (30/7/2002 09:30h, Gran Sabana southern side, Bolivar, Venezuela, 04.59N.60.50W) © Peter Boesman.

2055 3 Southern Beardless-Tyrannulet 3 Call 0:08 Camplostoma obsoletum (10/11/1996 07:00h, San Pablo marsh, Carabobo, Venezuela, 10.31N.68.22W) © Peter Boesman.

2055 4 Southern Beardless-Tyrannulet 4 Call 0:10 Camplostoma obsoletum (27/7/1996 - San Pablo marsh, Carabobo, Venezuela, 10.31N.68.22W) © Peter Boesman.

2055 5 Southern Beardless-Tyrannulet 5 Call 0:42 Camplostoma obsoletum (30/7/2002 10:00h, Gran Sabana southern side, Bolivar, Venezuela, 04.59N.60.50W) © Peter Boesman.

2055 6 Southern Beardless-Tyrannulet 6 Call 0:17 Camplostoma obsoletum (4/8/2003 07:00h, Boca de Macareo, Delta Amac, Venezuela, 09.04N.62.03W) © Peter Boesman.

2058 1 White-tailed Tyrannulet 1 Call 0:19 Mecocerculus poeicilocercus (24/2/2006 16:00h, Bellavista, Pichincha, Ecuador, 00.01S.78.41W) © Peter Boesman.

2058 2 White-tailed Tyrannulet 2 Call 0:39 Mecocerculus poeicilocercus. Tandayapa Valley, Pichincha, Ecuador, 2250m, 09:00h, 12-02-2001, S0.10° W78.410', © Nick Athanas.

2060 1 White-banded Tyrannulet 1 Song 0:40 Mecocerculus stictopterus (19/7/2009 09:00h, Manu road high, Cuzco, Peru, 13.12S,71.35W) © Peter Boesman

2060 2 White-banded Tyrannulet 2 Song 0:31 Mecocerculus stictopterus (18/12/1996 06:00h, Páramo del Batallon, Tachira, Venezuela, 08.09N.71.57W) © Peter Boesman

2060 3 White-banded Tyrannulet 3 Call 0:06 Mecocerculus stictopterus (19/7/2009 15:00h, Manu road high, Cuzco, Peru, 13.12S,71.35W) © Peter Boesman

2060 4 White-banded Tyrannulet 4 Call 0:17 Mecocerculus stictopterus (30/7/2008 09:00h, Carpish Tunnel, Huánuco, Peru, 09.40S,76.05W) © Peter Boesman

2060 5 White-banded Tyrannulet 5 Call 0:56 Mecocerculus stictopterus (30/7/2008 11:00h, Carpish Tunnel, Huánuco, Peru, 09.40S,76.05W) © Peter Boesman

2060 6 White-banded Tyrannulet 6 Call 0:06 Mecocerculus stictopterus (9th January 2010 9h45, Parque Nacional Chingazo, Cundinamarca, Colombia 4°47'2."N 73°46'32"W). © Peter Boesman.

2060 7 White-banded Tyrannulet 7 Calls 0:36 Mecocerculus stictopterus (16/12/1996 07:00h, Páramo del Batallon, Tachira, Venezuela, 08.09N.71.57W) © Peter Boesman.

2061 1 White-throated Tyrannulet 1 Dawn song 0:23 Mecocerculus leucophrys (30/12/1997 06:30h, Guaramacal NP, Trujillo, Venezuela, 09.10N.70.11W) © Peter Boesman.

2061 2 White-throated Tyrannulet 2 Call 0:08 Mecocerculus leucophrys (29/7/2008 08:15h, Bosque Unchog, Huánuco, Peru, 09.45S,76.15W) © Peter Boesman

2061 4 White-throated Tyrannulet 4 Call 0:07 Mecocerculus leucophrys (17/4/1997 16:00h, Los Frailes area, Merida, Venezuela, 08.50N,70.48W) © Peter Boesman.

2061 5 White-throated Tyrannulet 5 Call 0:19 Mecocerculus leucophrys (7th January 2010 7h00. Onzaga road near Soata, Boyaca, Colombia, 6°20'11"N 72°44'11"W). © Peter Boesman.

2062 3 White-throated Tyrannulet 3 Call 0:21 Mecocerculus leucophrys (3/1/1994 08:30h, Santa Marta Lorenzo road, Magdalena, Colombia, 11.00N,73.40W) © Peter Boesman.

2063 1 Sulphur-bellied Tyrannulet 1 Call 0:20 Mecocerculus minor (14/2/2006 09:00h, San Isidro lodge, Napo, Ecuador, 00.40S,77.55W) © Peter Boesman.

2063 2 Sulphur-bellied Tyrannulet 2 Song and call 0:44 Mecocerculus minor. (Cabañas San Isidro, Cosanga, Napo, Ecuador, 2100m, 09:40h, 25-07-2010, S0.35'11" W77.52'40"), © Andrew Spencer.

2063 3 Sulphur-bellied Tyrannulet 3 Call 0:10 Mecocerculus minor. (Monterredondo, Cundinamarca, Colombia, 2500m, 09:27h, 21-02-2010, After playback. Some noise edited out. © Nick Athanas.

2063 3 Sulphur-bellied Tyrannulet 3 Call 0:10 Mecocerculus minor. Monterredondo, Cundinamarca, Colombia, 2500m, 09:27h, 21-02-2010, Calls, After playback. Some noise edited out.. also: Mountain Wren © Nick Athanas.

2068 1 Tufted Tit-Tyrant 1 Song 0:20 Anairetes parulus (6/8/2008 06:30h, Apaya-Andamarca road, Junin, Peru, 11.40S,74.50W) © Peter Boesman.

2068 2 Tufted Tit-Tyrant 2 Call 0:13 Anairetes parulus (31/7/2008 09:30h, Carpish Tunnel, Huánuco, Peru, 09.40S,76.05W) © Peter Boesman.

2068 3 Tufted Tit-Tyrant 3 Call 0:10 Anairetes parulus (31/7/2008 09:30h, Carpish Tunnel, Huánuco, Peru, 09.40S,76.05W) © Peter Boesman.

2070 1 Agile Tit-Tyrant 1 Call 0:23 Uromyias agilis (16/12/1996 07:00h, Páramo del Batallon, Tachira, Venezuela, 08.09N,71.57W) © Peter Boesman

2070 2 Agile Tit-Tyrant 2 Call 0:12 Uromyias agilis (16/12/1996 09:00h, Páramo del Batallon, Tachira, Venezuela, 08.09N,71.57W) © Peter Boesman.

2070 3 Agile Tit-Tyrant 3 Call 0:19 Uromyias agilis (February 2009, Páramo del Batallon, Tachira, Venezuela, 08.09N,71.57W) © Hans Matheve.

2070 4 Agile Tit-Tyrant 4 Call 0:24 Anairetes agilis. Bogota-Quebrada la Vieja, Colombia, 2900m, 06:00h, 12-12-2002. Song, © Doug Knapp.

2070 5 Agile Tit Tyrant 5 Call 0:44 Uromyias agilis (3rd January 2010 13h30. Paramo Navarco, Quindio/Tolima, Colombia, 3200m, 4°28'27"N 75°33'25"W). © Peter Boesman.

2072 1 Torrent Tyrannulet 1 Song 0:04 Serpophaga cinerea (6/1/2008 09:15h, Pedro Ruiz area, Amazonas, Peru, 05.50S,78.00W) © Peter Boesman

2073 1 River Tyrannulet 1 Call 0:27 Serpophaga hypoleuca (28/3/1997, Orinoco river islands, Amazonas, Venezuela, 05.24N,67.46W) © Peter Boesman

2073 2 River Tyrannulet 2 Call 0:10 Serpophaga hypoleuca (28/3/1997 07:00h, Orinoco river islands, Amazonas, Venezuela, 05.24N,67.46W) © Peter Boesman.

2078 1 Mouse-colored Tyrannulet 1 Song 0:42 Phaeomyias murina (10/2/1997 09:00h, Morrocoy NP, Falcon, Venezuela, 10.51N,68.18W) © Peter Boesman

2078 2 Mouse-colored Tyrannulet 2 Song 0:26 Phaeomyias murina (2/4/1995 06:00h, Guataparo area, Carabobo, Venezuela, 10.13N.68.05W) © Peter Boesman.

2078 3 Mouse-colored Tyrannulet 3 Song 0:08 Phaeomyias murina (5th January 2010 8h15. Mana Dulce, Tolima, Colombia, 4° 21' 04"N 74° 39' 06"W). © Peter Boesman.

2078 4 Mouse-colored Tyrannulet 4 Call 0:24 Phaeomyias murina (1/5/1995 07:00h, Serrania de San Luis, Falcon, Venezuela, 11.12N.69.42W) © Peter Boesman.

2078 5 Mouse-colored Tyrannulet 5 Call 0:04 Phaeomyias murina (22/7/2000 09:00h, Quibor - Sanare road, Lara, Venezuela, 09.48N,69.36W) © Peter Boesman.

2078 6 Mouse-colored Tyrannulet 6 Call 0:25 Phaeomyias murina (8/8/2003 08:00h, Villa Lola area, Bolivar, Venezuela, 07.55N,62.00W) © Peter Boesman.

2078 7 Mouse-colored Tyrannulet 7 Call 0:13 Phaeomyias murina (17/11/1996 07:00h, Morrocoy NP, Falcon, Venezuela, 10.51N.68.18W) © Peter Boesman

2079 1 Yellow Tyrannulet 1 Song and call 0:47 Capsiempis flaveola (5/3/1994 - Caño Colorado, Monagas, Venezuela, 09.55N.62.55W) © Peter Boesman

2079 2 Yellow Tyrannulet 2 Song and call 0:10 Capsiempis flaveola (11/11/1993 - Junglaven area, Amazonas, Venezuela, 05.00N.66.23W) © Peter Boesman.

2079 3 Yellow Tyrannulet 3 Call 0:20 Capsiempis flaveola (3rd February 2011 7h00. RNA El Paujil, Santander, Colombia, 310m, 6.2'59" N, 74.15'41" W). (Background: Colombian Chachalaca, White-tipped Dove). © Peter Boesman.

2079 4 Yellow Tyrannulet 4 Call 0:15 Capsiempis flaveola (2nd February 2011 15h30. RNA El Paujil, Santander, Colombia, 310m, 6.2'59" N, 74.15'41" W). © Peter Boesman.

2080 1 Bearded Tachuri 1 Song 0:47 Polystictus pectoralis. (Iracoubo, savane Trou Poissons, French Guiana, 5m, 24-03-2011). (Background: Wedge-tailed Grass-Finch, Variable Chachalaca). © Alexandre Renaudier.

2080 2 Bearded Tachuri 2 Song 0:40 Polystictus pectoralis. (Iracoubo, savane Trou Poissons, French Guiana, 5m, 23-03-2011, N5.19'37" W53.6'10"). (Background: Variable Chachalaca, Wedge-tailed Grass-Finch). © Alexandre Renaudier.

2080 3 Bearded Tachuri 3 Call 0:20 Polystictus pectoralis (14/4/1984 07:15h, Santa Elena area, Bolivar, Venezuela, 04.39N,61.05W) © Chris Parrish.

2083 1 Subtropical Doradito 1 Song 0:22 Pseudocolopteryx acutipennis. (Estancia La Matilde, Paraje Centenario (vieja estacion), Carlos Casares, Buenos Aires, Argentina, 60m, pmh, 18-01-2009). (background: Double-collared Seedeater). © Bernabe Lopez-Lanus.

2083 2 Subtropical Doradito 2 Call 0:24 Pseudocolopteryx acutipennis. (Estancia La Matilde, Paraje Centenario (vieja estacion), Carlos Casares, Buenos Aires, Argentina, 60m,18-01-2009). Bird one meter from a nest with eggs. © Bernabe Lopez-Lanus.

2087 1 Bronze-Olive Pygmy-Tyrant 1 Call and bill-snapping 0:25 Pseudotriccus pelzelni (5th February 2011 16h00. Jardin, Antioquia, Colombia 6° 58' 03" N, 75° 31' 38" W). © Peter Boesman.

2087 2 Bronze-olive Pygmy-Tyrant 2 Call 0:22 Pseudotriccus pelzelni berlepschi. RNA Las Tangaras, Choco, Colombia, 1800m, 09:40h, 24-06-2011, N5.43'44" W76.14'38", song, natural vocalization © Andrew Spencer.

2087 3 Bronze-olive Pygmy-Tyrant 3 bill-snapping 0:16 Pseudotriccus pelzelni berlepschi. RNA Las Tangaras, Choco, Colombia, 1800m, 09:40h, 24-06-2011, N5.43'44" W76.14'38", bill snaps © Andrew Spencer.

2089 1 Rufous-headed Pygmy-Tyrant 1 Call 1:05 Pseudotriccus ruficeps (7/1/2008 09:45h, Abra Barra Negro, Amazonas, Peru, 06.46S,77.50W) © Peter Boesman.

2089 2 Rufous-headed Pygmy-Tyrant 2 Call 1:57 Pseudotriccus ruficeps (31/7/2008 08:00h, Carpish Tunnel, Huánuco, Peru, 09.40S,76.05W) © Peter Boesman.

2089 3 Rufous-headed Pygmy-Tyrant 3 Call 0:06 Pseudotriccus ruficeps (29th December 2009 9h30. R.N. Rio Blanco, Caldas, Colombia, 2600m, 5°5' N 75°30'W). © Peter Boesman.

2090 1 Ringed Antpiper 1 Song 2:02 Corythopsis torquata (29/7/2009 08:30h, Pantiacolla Lodge, Madre de Dios, Peru, 12.39S,71.14W) © Peter Boesman

2090 2 Ringed Antpiper 2 Song 0:59 Corythopsis torquatus. Mitu, Vaupes, Colombia, 190m, 06:30h, 12-06-2011, N1.14'45" W70.13'44", Song in response to playback. © Andrew Spencer.

2090 3 Ringed Antpitt 3 Song
2090 4 Ringed Antpitt 4 Song
2092 1 Tawny-crowned Pygmy-Tyrant 1 Song
2092 2 Tawny-crowned Pygmy-Tyrant 2 Song
2092 3 Tawny-crowned Pygmy-Tyrant 3 Song
2092 4 Tawny-crowned Pygmy-Tyrant 4 Song
2092 5 Tawny-crowned Pygmy-Tyrant 5 Call
2092 6 Tawny-crowned Pygmy-Tyrant 6 Call
2095 1 Lesser Wagtail-Tyrant 1 Song
2095 2 Lesser Wagtail-Tyrant 2 Song
2095 3 Lesser Wagtail-Tyrant 3 Song
2097 1 Paltry Tyrannulet 1 call
2097 2 Paltry Tyrannulet 2 call
2097 3 Paltry Tyrannulet 3 call
2097 4 Paltry Tyrannulet 4 call
2097 5 Paltry Tyrannulet 5 call
2098 1 Choco Tyrannulet 1 Call
2098 2 Choco Tyrannulet 2 Call
2102 1 Slender-footed Tyrannulet 1 Song
2102 2 Slender-footed Tyrannulet 2 Song
2102 3 Slender-footed Tyrannulet 3 Song
2102 4 Slender-footed Tyrannulet 4 Song
2102 5 Slender-footed Tyrannulet 5 Call
2102 6 Slender-footed Tyrannulet 6 Call
2102 7 Slender-footed Tyrannulet 7 Call
2102 8 Slender-footed Tyrannulet 8 Call
2104 1 Golden-faced Tyrannulet 1 Song
2104 2 Golden-faced Tyrannulet 2 Song
2104 3 Golden-faced Tyrannulet 3 Song
2104 4 Golden-faced Tyrannulet 4 Song
2104 5 Golden-faced Tyrannulet 5 Call
2104 6 Golden-faced Tyrannulet 6 Call
2104 7 Golden-faced Tyrannulet 7 Call
2104 8 Golden-faced Tyrannulet 8 Call
2106 1 Variegated Bristle-Tyrant 1 Song
2106 2 Variegated Bristle-Tyrant 2 Song
2106 3 Variegated Bristle-Tyrant 3 Song
2106 4 Variegated Bristle-Tyrant 4 Call
2108 1 Marble-faced Bristle-Tyrant 1 Song
2108 2 Marble-faced Bristle-Tyrant 2 Song
2108 3 Marble-faced Bristle-Tyrant 3 Song
2108 4 Marble-faced Bristle-Tyrant 4 Song
2108 5 Marble-faced Bristle-Tyrant 5 Call
2110 1 Antioquia Bristle Tyrant 1 Song
2110 2 Antioquia Bristle Tyrant 2 Song and call
2110 3 Antioquia Bristle Tyrant 3 Call and song
2110 4 Antioquia Bristletyrant 4 Call
2117 1 Ecuadorian Tyrannulet 1 Song
2117 2 Ecuadorian Tyrannulet 2 Song
2119 1 Rufous-browed Tyrannulet 1 Dawn song
2119 2 Rufous-browed Tyrannulet 2 Call
2128 1 Streak-necked Flycatcher 1 Song
2129 1 Olive-striped Flycatcher 1 Song
2129 2 Olive-striped Flycatcher 2 Song
2129 3 Olive-striped Flycatcher 3 Song
2129 4 Olive-striped Flycatcher 4 Song
2130 1 Ochre-bellied Flycatcher 1 Song
2130 2 Ochre-bellied Flycatcher 2 Song
2130 3 Ochre-bellied Flycatcher 3 Song
2130 4 Ochre-bellied Flycatcher 4 Call
2133 1 Sepia-capped Flycatcher 1 Dawn song
2133 2 Sepia-capped Flycatcher 2 Dawn song
2133 3 Sepia-capped Flycatcher 3 Song

0:21 *Corythopsis torquata* (29/6/1995 09:00h, Manu Amazonia Lodge, Cuzco, Peru, 12.00S,71.00W) © Peter Boesman
0:21 *Corythopsis torquata* (28th July 2010 9h30, Explomapo, Loreto, Peru, 120 m. 3°10' S, 72°55' W). © Peter Boesman.
0:24 *Euscarthmus meloryphus* (22/7/2000 09:00h, Quibor - Sanare road, Lara, Venezuela, 09.48N,69.36W) © Peter Boesman
0:25 *Euscarthmus meloryphus* (16/3/1997 11:00h, Canoabo area, Carabobo, Venezuela, 10.20N,68.18W) © Peter Boesman.
0:11 *Euscarthmus meloryphus* (16/3/1997 11:00h, Canoabo area, Carabobo, Venezuela, 10.20N,68.18W) © Peter Boesman.
0:44 *Euscarthmus meloryphus paluis*. Barrio El Poblado (alrededores de San Gil), Vereda Buenos Aires, municipio San Gil, Santander, Colombia, 1100m, 09:00h, 03-07-2000, Song © Bernabe Lopez-Lanus.
0:07 *Euscarthmus meloryphus* (27/12/2004 07:00h, Petrolina area, Pernambuco, Brazil, 09.25S,40.30W) © Peter Boesman.
0:32 *Euscarthmus meloryphus* (24/12/2007 11:15h, Bosque Pomac, Lambayeque, Peru, 06.35S,79.30W) © Peter Boesman
0:05 *Stigmatura napensis* (28/3/1997 06:30h, Orinoco river islands, Amazonas, Venezuela, 05.24N,67.46W) © Peter Boesman
0:16 *Stigmatura napensis* (28/3/1997 06:30h, Orinoco river islands, Amazonas, Venezuela, 05.24N,67.46W), First part is probably River Tyrannulet. © Peter Boesman.
0:09 *Stigmatura napensis*. (River Island opposite Iquitos, Loreto, Peru, 100m, 07:20h, 30-12-2009). © Andrew Spencer.
0:39 *Zimmerius vilissimus*. (17th March 2010 07h25, Tapanti NP, 1200m elev., Cartago, Costa Rica). (Background: Common Bush Tanager, Pale-vented Thrush, Lesser Greenlet). © Peter Boesman.
0:33 *Zimmerius vilissimus*. (19th March 2010 06h15, Providencia road, Cerro de la Muerte, 2700m elev., San José, Costa Rica). © Peter Boesman.
0:28 *Zimmerius vilissimus*. (20th March 2010 15h10, Esquinas lodge, 100m elev., Piedras Blancas NP, Puntarenas, Costa Rica). (Background: Clay-coloured Thrush). © Peter Boesman.
0:25 *Zimmerius vilissimus*. (13th March 2010 17h15, La Selva biological station, Heredia, Costa Rica). © Peter Boesman.
0:20 *Zimmerius vilissimus*. (17th March 2010 06h45, Tapanti NP, 1200m elev., Cartago, Costa Rica). (Background: Common Bush Tanager). © Peter Boesman.
0:26 *Zimmerius albigularis* (1st January 2010 12h30. P.N. Tatamá, Montezuma trail, near Pueblo Rico, Risaralda, Colombia, 1600m, 5°14'3"N 76° 5'21"W). © Peter Boesman.
0:13 *Zimmerius albigularis* (1st January 2010 10h10. P.N. Tatamá, Montezuma trail, near Pueblo Rico, Risaralda, Colombia, 1600m, 5°14'3"N 76° 5'21"W). © Peter Boesman.
0:22 *Zimmerius gracilipes* (22/7/2006 06:00h, Tabajos tracks, Sao Gabriel da Cachoeira, Amazonas, Brazil, 00.10S,67.00W) © Peter Boesman
0:15 *Zimmerius gracilipes* (30/11/2000, Serra da Batutiré, , Brazil,) © Mark Van Beirs
0:05 *Zimmerius gracilipes* (23rd July 2010 6h00, ACTS Explomapo, Loreto, Peru, 120 m. 3°10' S, 72°55' W). © Peter Boesman.
0:11 *Zimmerius gracilipes* (19th July 2010 06h00, Allpahuayo - Mishana Reserve, Loreto, Peru, 120m, S3.50°0' W73.150°). © Peter Boesman.
0:26 *Zimmerius gracilipes* (24/7/2006 15:30h, Cucuy road north of Sao Gabriel da Cachoeira, Amazonas, Brazil, 00.01N,66.30W) © Peter Boesman
0:06 *Zimmerius gracilipes* (20th July 2010 12h00, Allpahuayo - Mishana Reserve, Loreto, Peru, 120m, S3.50°0' W73.150°). © Peter Boesman.
0:33 *Zimmerius gracilipes* (19th July 2010 17h30, Allpahuayo - Mishana Reserve, Loreto, Peru, 120m, S3.50°0' W73.150°). (Background: Buff-throated Woodcreeper). © Peter Boesman.
0:21 *Zimmerius gracilipes gracilipes*. Mitu, Vaupes, Colombia, 190m, 09:20h, 09-06-2011, N1.14'45" W70.13'44", calls, response to playback © Andrew Spencer.
0:04 *Zimmerius chrysops* (30/7/2003 08:30h, Cerro Humo, Sucre, Venezuela, 10.41N,62.37W) © Peter Boesman.
0:16 *Zimmerius chrysops* (27/12/1996 06:00h, Matamala area, Tachira, Venezuela, 07.42N,72.26W) © Peter Boesman.
0:15 *Zimmerius chrysops* (1/8/2000 07:00h, Presa Las Cuevas road, Tachira, Venezuela, 07.56N,71.47W) © Peter Boesman.
0:32 *Zimmerius chrysops* (28th December 2009 6h15. La Victoria, Cundinamarca, Colombia, 5°19'55 N 74°55'12"W). © Peter Boesman.
0:18 *Zimmerius chrysops* (8/3/1997 12:00h, Yacambu NP, Lara, Venezuela, 09.43N,69.35W) © Peter Boesman.
0:38 *Zimmerius chrysops* (1/8/2003 08:00h, Sabana de Piedra - Santa Maria road, Monagas, Venezuela, 10.15N,63.35W) © Peter Boesman.
0:29 *Zimmerius chrysops* (26/12/1996 15:00h, Rio Negro/Rio Frio area, Tachira, Venezuela, 07.36N,72.12W) © Peter Boesman.
0:41 *Zimmerius chrysops chrysops*. RNA Hormiguero de Torcoroma, Ocaña, Norte de Santander, Colombia, 1600m, 13:40h, 17-07-2008, N8.12'11" W73.22'47", call © Andrew Spencer.
0:32 *Phylloscartes poecilotis* (5/8/2006 10:00h, Yacambu NP, Lara, Venezuela, 09.43N,69.35W) © Nick Athanas.
0:18 *Phylloscartes poecilotis* (4/8/2000 17:00h, Yacambu NP, Lara, Venezuela, 09.43N,69.35W) © Peter Boesman.
0:17 *Phylloscartes poecilotis* (1/8/1997, Carbonera, Merida, Venezuela, 08.38N,71.24W) © Gustavo Rodriguez.
1:14 *Phylloscartes poecilotis* (19/12/2000 09:30h, Yacambu NP, Lara, Venezuela, 09.43N,69.35W) © Chris Sharpe.
1:00 *Phylloscartes ophthalmicus* (24/7/2003 10:00h, Sierra de Aroa, Yaracuy, Venezuela, 10.20N,68.50W) © Peter Boesman
0:25 *Phylloscartes ophthalmicus* (21/2/2006 09:00h, San Isidro lodge, Napo, Ecuador, 00.40S,77.55W) © Peter Boesman
0:18 *Phylloscartes ophthalmicus* (March 2009, Henri Pittier NP, Aragua, Venezuela) © Hans Matheve.
0:07 *Phylloscartes ophthalmicus* (31st December 2009 10h00. P.N. Tatamá, Montezuma trail, near Pueblo Rico, Risaralda, Colombia, 1600m, 5°14'3"N 76° 5'21"W). © Peter Boesman.
0:16 *Pogoniticcus ophthalmicus ophthalmicus*. RNA Las Tangaras, Choco, Colombia, 1800m, 11:00h, 26-06-2011, N5.43'44" W76.14'38", Calls from a single bird that was part of a large mixed flock. © Andrew Spencer.
0:05 *Phylloscartes lanyoni* (4th February 2011 8h00. Rio Claro, Doradal, Antioquia, Colombia, 1500m, 5.54°0' N, 74.50'54" W). © Peter Boesman.
0:22 *Phylloscartes lanyoni* (4th February 2011 8h00. Rio Claro, Doradal, Antioquia, Colombia, 1500m, 5.54°0' N, 74.50'54" W). © Peter Boesman.
0:58 *Phylloscartes lanyoni* (4th February 2011 8h00. Rio Claro, Doradal, Antioquia, Colombia, 1500m, 5.54°0' N, 74.50'54" W). (Background: Dusky Antbird, Bananaquit). © Peter Boesman.
0:36 *Phylloscartes lanyoni* (4th February 2011 10h30. Rio Claro, Doradal, Antioquia, Colombia, 1500m, 5.54°0' N, 74.50'54" W). © Peter Boesman.
0:04 *Phylloscartes gualaquiza* (31/12/2007 09:30h, Abra Patricia road, San Martín, Peru, 05.50S,77.46W) © Peter Boesman.
0:05 *Phylloscartes gualaquiza* (31/12/2007 15:00h, Abra Patricia road, San Martín, Peru, 05.50S,77.46W) © Peter Boesman.
0:35 *Phylloscartes superciliosus*. (August 2002. West slope Cordillera de Cutucú, Morona-Santiago, Ecuador. 1250 - 1960 m. 2°26' S, 78°03' W). (Background: Slaty-capped Flycatcher). Recording was edited. Niels Krabbe.
0:46 *Phylloscartes superciliosus*. RNA Arriero Antioqueño, Anorí, Antioquia, Colombia, 1700m, 16-06-2007, N6.59'10" W75.7'30", song? © Frank Lambert.
0:52 *Mionectes striaticollis columbianus*. Cabañas San Isidro, Cosanga, Napo, Ecuador, 2100m, 07:30h, 18-01-2008, S0.35'11" W77.52'40", song © Andrew Spencer.
0:14 *Mionectes olivaceus* (4/1/2008 10:30h, Abra Patricia road, San Martín, Peru, 05.50S,77.46W) © Peter Boesman
0:20 *Mionectes olivaceus* (15/4/1995 11:00h, Darien Cana, Panama, 07.50N,77.40W) © Peter Boesman
0:44 *Mionectes olivaceus* (19/4/1997 10:30h, Pico Humboldt trail, Merida, Venezuela, 08.36N,71.05W) © Peter Boesman
0:28 *Mionectes olivaceus* (28/5/1994, Caripe area, Monagas, Venezuela, 10.10N,63.31W) © Peter Boesman.
2:21 *Mionectes oleagineus* (28th December 2009 7h00. La Victoria, Cundinamarca, Colombia, 5°19'55 N 74°55'12"W). © Peter Boesman.
0:57 *Mionectes oleagineus* (3rd February 2011 8h30. RNA El Paujil, Santander, Colombia, 310m, 6.2'59" N, 74.15'41" W). © Peter Boesman.
1:14 *Mionectes oleagineus* (March 2009, Guiana trail km75, Bolivar, Venezuela). © Hans Matheve.
0:32 *Mionectes oleagineus* (20/1/2005 09:00h, Carajás, Aguas Claras area, Pará, Brazil, 06.00S,50.30W) © Peter Boesman
1:00 *Leptopogon amaurocephalus* (23/7/2005 06:00h, Rio Cristalino Jungle Lodge, Mato Grosso, Brazil, 09.27S,55.54W) © Peter Boesman
0:15 *Leptopogon amaurocephalus* (2nd February 2011 6h30. RNA El Paujil, Santander, Colombia, 310m, 6.2'59" N, 74.15'41" W). © Peter Boesman.
0:04 *Leptopogon amaurocephalus* (29/7/2009 08:30h, Pantiacolla Lodge, Madre de Dios, Peru, 12.39S,71.14W) © Peter Boesman

2133 4 Sepia-capped Flycatcher 4 Song 0:05 Leptopogon amaurocephalus (21/7/2009 08:00h, Manu Amazonia Lodge, Cuzco, Peru, 12.50S,71.15W) © Peter Boesman

2133 5 Sepia-capped Flycatcher 5 Song 0:11 Leptopogon amaurocephalus (5/2/2004 08:15h, Boa Nova humid area, Bahia, Brazil, 14.30S,40.05W) © Peter Boesman.

2133 6 Sepia-capped Flycatcher 6 Call 0:11 Leptopogon amaurocephalus (28/7/2004 07:30h, Carmo road, Rio de Janeiro, Brazil, 21.52S,42.35W) © Peter Boesman.

2133 7 Sepia-capped Flycatcher 7 Call 0:03 Leptopogon amaurocephalus (10/8/2004 10:00h, Itapoá - Volta Velha, Santa Catarina, Brazil, 26.07S,48.35W) © Peter Boesman.

2133 8 Sepia-capped Flycatcher 8 Call 0:04 Leptopogon amaurocephalus (3/2/2004 08:00h, Crasto forest, Sergipe, Brazil, 11.25S,37.25W) © Peter Boesman.

2134 1 Slaty-capped Flycatcher 1 Call 0:40 Leptopogon superciliiaris (7/8/2002 14:30h, Cerro El Platillon, Guarico, Venezuela, 09.52N,67.30W) © Peter Boesman

2134 2 Slaty-capped Flycatcher 2 Call 0:32 Leptopogon superciliiaris (23/12/1997 09:30h, Canoabo area, Carabobo, Venezuela, 10.20N,68.18W) © Peter Boesman.

2134 3 Slaty-capped Flycatcher 3 Call 0:19 Leptopogon superciliiaris (28/2/1995 10:00h, San Isidro area, Barinas, Venezuela, 08.52N,70.36W) © Peter Boesman.

2134 4 Slaty-capped Flycatcher 4 Call 0:04 Leptopogon superciliiaris (26/7/2000 07:00h, Finca Monteverde at Olinda II, Merida, Venezuela, 08.45N,71.28W) © Peter Boesman.

2135 1 Rufous-breasted Flycatcher 1 Call 0:24 Leptopogon rufipectus (20/2/2006 11:00h, San Isidro lodge, Napo, Ecuador, 00.40S,77.55W) © Peter Boesman.

2135 2 Rufous-breasted Flycatcher 2 Call 0:30 Leptopogon rufipectus (21/2/2006 10:00h, San Isidro lodge, Napo, Ecuador, 00.40S,77.55W) © Peter Boesman.

2137 1 Northern Scrub-Flycatcher 1 Call 0:44 Sublegatus arenarum (5/7/1997 06:00h, Posada Puente de Piedra, Falcon, Venezuela, 11.30N,69.17W) © Peter Boesman

2137 2 Northern Scrub-Flycatcher 2 Call 0:14 Sublegatus arenarum (4/8/2002 06:00h, Laguna Unare, Anzoategui, Venezuela, 10.07N,65.20W) © Peter Boesman.

2137 3 Northern Scrub-Flycatcher 3 Call 0:05 Sublegatus arenarum (28/7/2003 06:30h, Peninsula de Araya, Sucre, Venezuela, 10.40N,63.42W) © Peter Boesman.

2137 4 Northern Scrub-Flycatcher 4 Call 0:46 Sublegatus obscurior (8/8/2003 08:00h, Villa Lola area, Bolivar, Venezuela, 07.55N,62.00W) © Peter Boesman.

2138 1 Amazonian Scrub-Flycatcher 1 Call 1:18 Sublegatus obscurior. Pantiacolla Lodge, Manu, Madre de Dios, Peru, 450m, 05:20h, 06-10-2010, S12.39°36' W71.14°31', Call?, The only vocalization I've heard from this pair, nesting in the garden for the second year in a row. © David Geale.

2138 2 Amazonian Scrub-Flycatcher 2 Call 0:33 Sublegatus obscurior. Pantiacolla Lodge, Manu, Madre de Dios, Peru, 450m, 07:45h, 07-10-2010, S12.39°36' W71.14°31', Call?, After playback of agitated calls. © David Geale.

2140 1 Slender-billed Tyrannulet 1 Song 0:32 Inezia tenuirostris (6/7/1997 07:00h, Foothills of Serrania de San Luis, Falcon, Venezuela, 11.19N,69.36W) © Peter Boesman.

2140 2 Slender-billed Tyrannulet 2 Song 0:26 Inezia tenuirostris (5/7/1997 06:00h, Posada Puente de Piedra, Falcon, Venezuela, 11.30N,69.17W) © Peter Boesman.

2140 3 Slender-billed Tyrannulet 3 Song 0:16 Inezia tenuirostris February 2009, Puente Torres, Falcon, Venezuela), © Hans Matheve.

2140 4 Slender-billed Tyrannulet 4 Song 0:18 Inezia tenuirostris. Aprox 20 km al W de la ciudad de Riohacha, Municipio Riohacha, La Guajira, Colombia, 10m, amh, 01-11-2000, Song © Bernabe Lopez-Lanus.

2142 1 Amazonian Tyrannulet 1 Song 0:14 Inezia subflava obscura. Mitu, Vaupes, Colombia, 190m, 17:20h, 08-06-2011, N1.14°45' W70.13°44", Song from one bird (the male?) in response to playback. From flooded scrub at the edge of white sand forest. © Andrew Spencer.

2142 2 Amazonian Tyrannulet 2 Duet 0:13 Inezia subflava obscura. Mitu, Vaupes, Colombia, 190m, 17:20h, 08-06-2011, N1.14°45' W70.13°44", Duet from a pair of birds in response to playback. From flooded scrub at the edge of white sand forest. © Andrew Spencer.

2142 3 Amazonian Tyrannulet 3 Duet 0:43 Inezia subflava (26/1/2006 , Junglaven area, Amazonas, Venezuela, 05.00N,66.23W) © Mark Van Beirs.

2142 4 Amazonian Tyrannulet 4 Call and song 1:47 Inezia subflava (26/1/2006 , Junglaven area, Amazonas, Venezuela, 05.00N,66.23W) © Mark Van Beirs.

2143 1 Pale-tipped Tyrannulet 1 Song 0:24 Inezia caudata (10/2/1997, Morrocoy NP, Falcon, Venezuela, 10.51N,68.18W) © Peter Boesman

2143 2 Pale-tipped Tyrannulet 2 Song 0:13 Inezia caudata (10/2/1997 09:00h, Morrocoy NP, Falcon, Venezuela, 10.51N,68.18W) © Peter Boesman.

2143 3 Pale-tipped Tyrannulet 3 Call 0:14 Inezia caudata (10/2/1997 07:00h, Morrocoy NP, Falcon, Venezuela, 10.51N,68.18W) © Peter Boesman.

2143 4 Pale-tipped Tyrannulet 4 Call 0:21 Inezia caudata (26/3/1999 01:15h, Hato El Cedral area, Apure, Venezuela, 07.30N,69.17W) © Chris Sharpe.

2143 5 Pale-tipped Tyrannulet 5 Call and song 0:08 Inezia caudata (3/11/1996 , El Cerrito area, Falcon, Venezuela, 11.07N,68.27W) © Peter Boesman.

2143 6 Pale-tipped Tyrannulet 6 Calls 0:44 Inezia caudata (February 2009, Morrocoy NP, Falcon, Venezuela, 10.51N,68.18W) © Hans Matheve.

2144 1 Ornate Flycatcher 1 Call 0:22 Myiobrycon ornatus (15/2/2006 07:30h, Sumaco road, Napo, Ecuador, 00.45S,77.35W) © Peter Boesman.

2144 2 Ornate Flycatcher 2 Call 0:31 Myiobrycon ornatus (2nd January 2010 17h30. Bosque Bremen, Quindio, Colombia, 4°40'26"N 75°37'5"W). © Peter Boesman.

2144 3 Ornate Flycatcher 3 Call 0:33 Myiobrycon ornatus ornatus. RNA Arriero Antioqueño, Anori, Antioquia, Colombia, 1500m, 17:10h, 16-06-2011, N6.59°10' W75.7°30', call, natural vocalization © Andrew Spencer.

2144 4 Ornate Flycatcher 4 Call 0:15 Myiobrycon ornatus ornatus. Reserva La Serrana (Vereda La Serrana), Anori, Antioquia, Colombia, 1800m, 16:00h, 05-06-2000, Call © Bernabe Lopez-Lanus.

2149 1 Black-capped Pygmy-Tyrant 1 song 0:23 Myiobrycon atricapillus (25/2/2006 09:00h, Silanche reserve, Pichincha, Ecuador, 00.10N,79.15W) © Peter Boesman

2149 2 Black-capped Pygmy-Tyrant 2 call 0:23 Myiobrycon atricapillus. (14th March 2010 08h45, La Selva biological station, Heredia, Costa Rica). (Background: Chestnut-backed Antbird, Lesser Greenlet) © Peter Boesman.

2149 3 Black-capped Pygmy-Tyrant 3 call 0:43 Myiobrycon atricapillus. (14th March 2010 08h50, La Selva biological station, Heredia, Costa Rica). (Background: White-ringed Flycatcher, White-breasted Wood Wren). © Peter Boesman.

2149 4 Black-capped Pygmy-Tyrant 4 call 0:12 Myiobrycon atricapillus (15/4/1995 17:00h, Cana, Darien, Panama, 07.50N,77.40W) © Peter Boesman

2150 1 Short-tailed Pygmy-Tyrant 1 Song and call 0:53 Myiobrycon ecaudatus (28/12/1994 , Villa Tunari, Cochabamba, Bolivia, 17.20S,65.50W) © Peter Boesman

2150 2 Short-tailed Pygmy-Tyrant 2 Song 0:07 Myiobrycon ecaudatus (27/3/1997 07:00h, Lower Rio Caura area, Bolivar, Venezuela, 07.15N,65.00W) © Peter Boesman

2150 3 Short-tailed Pygmy-Tyrant 3 Call 0:48 Myiobrycon ecaudatus (27/7/2009 08:30h, Pantiacolla Lodge, Madre de Dios, Peru, 12.39S,71.14W) © Peter Boesman

2150 4 Short-tailed Pygmy-Tyrant 4 Call 0:20 Myiobrycon ecaudatus (23/7/2005 16:00h, Alta Floresta area, Mato Grosso, Brazil, 09.54S,55.54W) © Peter Boesman.

2150 5 Short-tailed Pygmy-Tyrant 5 Call 0:32 Myiobrycon ecaudatus (2nd August 2010 6h30, Río Yanayacu area near Muyuna lodge, Loreto, Peru, 4°18' S, 73°17' W). © Peter Boesman.

2150 6 Short-tailed Pygmy-Tyrant 6 Call 0:16 Myiobrycon ecaudatus (1/2/1997 10:00h, La Mision Limestone hills, Falcon, Venezuela, 10.51N,68.33W) © Peter Boesman.

2151 1 Northern Bentbill 1 call 0:44 Oncostoma cinereigulare. (20th March 2010 06h45, Esquinas lodge, 100m elev., Piedras Blancas NP, Puntarenas, Costa Rica). © Peter Boesman.

2151 2 Northern Bentbill 2 call 0:27 Oncostoma cinereigulare. (21st March 2010 10h40, Esquinas lodge, 100m elev., Piedras Blancas NP, Puntarenas, Costa Rica). (Background: Short-billed Pigeon, Stripe-throated Hermit). © Peter Boesman.

2152 1 Southern Bentbill 1 Song 0:52 Oncostoma olivaceum (2nd February 2011 7h00. RNA El Paujil, Santander, Colombia, 310m, 6.2°59' N, 74.15°41' W). © Peter Boesman.

2152 2 Southern Bentbill 2 Song 0:35 Oncostoma olivaceum (2nd February 2011 10h30. RNA El Paujil, Santander, Colombia, 310m, 6.2°59' N, 74.15°41' W). © Peter Boesman.

2152 3 Southern Bentbill 3 Song 0:09 Oncostoma olivaceum (15/4/1995 17:00h, Darien Cana , Panama, 07.50N,77.40W) © Peter Boesman.

2152 4 Southern Bentbill 4 Song 0:16 Oncostoma olivaceum. RNA El Paujil, Serrania de las Quinchas, Santander, Colombia, Colombia, 240m, 19-4-2007, N5.56°0' W74.11°0", song © Frank Lambert.

2152 5 Southern Bentbill 5 Call 0:16 Oncostoma olivaceum (2nd February 2011 7h30. RNA El Paujil, Santander, Colombia, 310m, 6.2°59' N, 74.15°41' W). (Citron-throated Toucan). © Peter Boesman.

2153 1 Scale-crested Pygmy-Tyrant 1 Song 0:24 Lophotriccus pileatus (26/7/2000 06:30h, Finca Monteverde at Olinda II, Merida, Venezuela, 08.45N,71.28W) © Peter Boesman.

2153 2 Scale-crested Pygmy-Tyrant 2 Song 0:32 Lophotriccus pileatus (26/7/2000 07:00h, Finca Monteverde at Olinda II, Merida, Venezuela, 08.45N,71.28W) © Peter Boesman.

2153 3 Scale-crested Pygmy-Tyrant 3 Call 0:26 Lophotriccus pileatus (2/8/2000 11:00h, Obra la Toma, Tachira, Venezuela, 07.56N,71.43W) © Peter Boesman.

2153 4 Scale-crested Pygmy-Tyrant 4 Call 0:41 Lophotriccus pileatus (22/7/1996 , Palmichal area, Carabobo, Venezuela, 10.21N,68.12W) © Peter Boesman.

2153 5 Scale-crested Pygmy-Tyrant 5 Call 0:20 Lophotriccus pileatus (28th December 2009 8h30. La Victoria, Cundinamarca, Colombia, 5°19'55" N 74°55'12"W). © Peter Boesman.

2154 1 Double-banded Pygmy-Tyrant 1 Song 0:32 Lophotriccus vitiosus (17/2/2006 09:00h, Gareno Lodge, Napo, Ecuador, 01.05S,77.35W) © Peter Boesman

2154 2 Double-banded Pygmy-Tyrant 2 Song 0:34 Lophotriccus vitiosus (17/7/2006 06:45h, Iracema falls, Presidente Figueiredo, Amazonas, Brazil, 02.00S,60.00W) © Peter Boesman

2154 3 Double-banded Pygmy-Tyrant 3 Song 0:56 Lophotriccus vitiosus (23rd July 2010 10h00, ACTS Explorapmo, Loreto, Peru, 120 m. 3°10' S, 72°55' W). © Peter Boesman.

2154 4 Double-banded Pygmy-Tyrant 4 Song 0:10 Lophotriccus vitiosus affinis. Mitu, Vaupes, Colombia, 190m, 13:30h, 09-06-2011, N1.14°45' W70.13°44", song, natural vocalization; bird was well seen and Helmeted Pygmy-Tyrant was ruled out. © Andrew Spencer.

2156 1 Helmeted Pygmy-Tyrant 1 Call 0:16 Lophotriccus galeatus (30/10/1993 , Lower Rio Caura area, Bolivar, Venezuela, 07.15N,65.00W) © Peter Boesman.

2156 2 Helmeted Pygmy-Tyrant 2 Call 0:23 Lophotriccus galeatus (13/2/1994 , Rio Grande area, Bolivar, Venezuela, 08.03N,61.40W) © Peter Boesman.

2156 3 Helmeted Pygmy-Tyrant 3 Call 0:16 Lophotriccus galeatus (23/7/2002 07:30h, Rio Grande area, Bolivar, Venezuela, 08.03N,61.40W) © Peter Boesman.

2156 4 Helmeted Pygmy-Tyrant 4 Call 0:34 Lophotriccus galeatus (March 2009, Orinoquia Lodge, Amazonas, Venezuela) © Hans Matheve.

2156 5 Helmeted Pygmy-Tyrant 5 Excited calls 0:37 Lophotriccus galeatus (26/7/2002 08:00h, Lower escalera, Bolivar, Venezuela, 06.00N,61.22W) © Peter Boesman.

2157 1 Pale-eyed Pygmy-Tyrant 1 Song 0:11 Atalotriccus pilaris (25/8/1994 , Caño Colorado, Monagas, Venezuela, 09.55N,62.55W) © Peter Boesman.

2157 2 Pale-eyed Pygmy-Tyrant 2 Song 0:05 Atalotriccus pilaris (2/2/1994 , Caño Colorado, Monagas, Venezuela, 09.55N,62.55W) © Peter Boesman.

2157 3 Pale-eyed Pygmy-Tyrant 3 Song 0:13 Atalotriccus pilaris (16/3/1997 10:00h, Canoabo area, Carabobo, Venezuela, 10.20N,68.18W) © Peter Boesman.

2157 4 Pale-eyed Pygmy-Tyrant 4 Song 0:39 Atalotriccus pilaris griseiceps. Finca La Pradera, Parroquia Remolinos, Municipio Puerto Lopez, Meta, Colombia, 400m, 07:00h, 17-04-2000, © Bernabe Lopez-Lanus.

2157 5 Pale-eyed Pygmy-Tyrant 5 Call and song 1:20 Atalotriccus pilaris (5th January 2010 8h30. Mana Dulce, Tolima, Colombia, 4° 21' 04"N 74° 39' 06"W). © Peter Boesman.

2157 6 Pale-eyed Pygmy-Tyrant 6 Calls 0:18 Atalotriccus pilaris (11/10/2005 17:30h, Ocumare area (coast), Aragua, Venezuela, 10.29N,67.45W) © Nick Athanas.

2164 1 White-eyed Tody-Tyrant 1 Song 0:58 Hemitriccus zosterops (24/7/2006 08:00h, Tabajos tracks, Sao Gabriel da Cachoeira, Amazonas, Brazil, 00.10S,67.00W) © Peter Boesman

2164 2 White-eyed Tody-Tyrant 2 Song 1:08 Hemitriccus zosterops zosterops. Mitu, Vaupes, Colombia, 190m, 07:20h, 09-06-2011, N1.14'45" W70.13'44", song, in response to playback © Andrew Spencer.

2164 3 White-eyed Tody-Tyrant 3 Rattle 1:00 Hemitriccus zosterops (22/7/2006 10:30h, Tabajos tracks, Sao Gabriel da Cachoeira, Amazonas, Brazil, 00.10S,67.00W) © Peter Boesman

2164 4 White-eyed Tody-Tyrant 4 Call and song 0:59 Hemitriccus zosterops (24/7/2006 08:00h, Tabajos tracks, Sao Gabriel da Cachoeira, Amazonas, Brazil, 00.10S,67.00W) © Peter Boesman

2167 1 Johannes's Tody-Tyrant 1 Song 0:26 Hemitriccus iohannis (20/7/2009 16:00h, Pilcopata area, Cuzco, Peru, 12.50S,71.15W) © Peter Boesman

2167 2 Johannes's Tody-Tyrant 2 Song 1:10 Hemitriccus iohannis (20/7/2009 16:00h, Pilcopata area, Cuzco, Peru, 12.50S,71.15W) © Peter Boesman

2167 3 Johannes's Tody-Tyrant 3 Song 0:30 Hemitriccus iohannis (7th August 2010 7h00, Peruvian side of the Rio Javari, Reserva Natural Palmari, Amazonas, Brazil, 50m, 4°17'20" S, 70°17'41" W). © Peter Boesman.

2167 4 Johannes's Tody-Tyrant 4 rising song 0:54 Hemitriccus iohannis (29th July 2010 15h30, Cumaceba lodge, Loreto, Peru, 3°38' S, 73°08' W). © Peter Boesman.

2167 5 Johannes's Tody-Tyrant 5 rising song 0:10 Hemitriccus iohannis (28th July 2010 16h30, Cumaceba lodge, Loreto, Peru, 3°38' S, 73°08' W). © Peter Boesman.

2167 6 Johannes's Tody-Tyrant 6 Call 0:06 Hemitriccus iohannis (28/7/2009 11:00h, Pantiacolla Lodge, Madre de Dios, Peru, 12.39S,71.14W) © Peter Boesman

2167 7 Johannes's Tody-Tyrant 7 Call 0:33 Hemitriccus iohannis (28th July 2010 16h30, Cumaceba lodge, Loreto, Peru, 3°38' S, 73°08' W). © Peter Boesman.

2168 1 Stripe-necked Tody-Tyrant 1 Song 0:23 Hemitriccus striatocollis (1/1/2008 09:30h, Morro de Calzada, San Martín, Peru, 06.00S,77.05W) © Peter Boesman

2168 2 Stripe-necked Tody-Tyrant 2 Song 0:14 Hemitriccus striatocollis (30/7/2005 08:00h, Pantanal, Pixaim area, Mato Grosso, Brazil, 16.40S,56.50W) © Peter Boesman

2168 3 Stripe-necked Tody-Tyrant 3 Call 0:42 Hemitriccus striatocollis (3/2/2004 08:15h, Crasto forest, Sergipe, Brazil, 11.25S,37.25W) © Peter Boesman

2168 4 Stripe-necked Tody-Tyrant 4 Call QQ 0:11 Hemitriccus striatocollis (3/1/2008 17:50h, Morro de Calzada, San Martín, Peru, 06.00S,77.05W) © Peter Boesman

2168 5 Stripe-necked Tody-Tyrant 5 Calls 0:48 Hemitriccus striatocollis (1/1/2008 09:30h, Morro de Calzada, San Martín, Peru, 06.00S,77.05W) © Peter Boesman.

2170 1 Pearly-vented Tody-Tyrant 1 Dawn song 0:44 Hemitriccus margaritaceiventer (20/10/1994 05:30h, Soldier's Monument area, Bolivar, Venezuela, 05.54N,61.26W) © Peter Boesman

2170 2 Pearly-vented Tody-Tyrant 2 Dawn song 0:30 Hemitriccus margaritaceiventer (23/6/1996 06:00h, El Cerrito area, Falcon, Venezuela, 11.07N,68.27W) © Peter Boesman

2170 3 Pearly-vented Tody-Tyrant 3 Song 0:26 Hemitriccus margaritaceiventer (31/7/2002 17:00h, Soldier's Monument area, Bolivar, Venezuela, 05.54N,61.26W) © Peter Boesman.

2170 4 Pearly-vented Tody-Tyrant 4 Call 0:07 Hemitriccus margaritaceiventer (3/11/1996 06:30h, El Cerrito area, Falcon, Venezuela, 11.07N,68.27W) © Peter Boesman.

2170 5 Pearly-vented Tody-Tyrant 5 Call 0:19 Hemitriccus margaritaceiventer (1/5/1995 06:30h, Serrania de San Luis, Falcon, Venezuela, 11.12N,69.42W) © Peter Boesman.

2170 6 Pearly-vented Tody-Tyrant 6 Rattle 0:08 Hemitriccus margaritaceiventer (6/8/2000 08:00h, Quibor - Sanare road, Lara, Venezuela, 09.48N,69.36W) © Peter Boesman

2170 7 Pearly-vented Tody-Tyrant 7 Interaction call 0:04 Hemitriccus margaritaceiventer (16/3/1997 11:00h, Canoabo area, Carabobo, Venezuela, 10.20N,68.18W) © Peter Boesman.

2173 1 Black-throated Tody-Tyrant 1 Song 1:18 Hemitriccus granadensis (31/7/2009 10:00h, Manu road high, Cuzco, Peru, 13.12S,71.35W) © Peter Boesman

2173 2 Black-throated Tody-Tyrant 2 Song 0:41 Hemitriccus granadensis (5/8/2008 11:30h, Apaya-Andamarca road, Junin, Peru, 11.40S,74.50W) © Peter Boesman

2173 3 Black-throated Tody-Tyrant 3 Song 0:59 Hemitriccus granadensis (19/7/2009 09:00h, Manu road high, Cuzco, Peru, 13.12S,71.35W) © Peter Boesman

2173 4 Black-throated Tody-Tyrant 4 Call 0:47 Hemitriccus granadensis (9/2/2007 10:37h, Sierra de Santa Marta, Magdalena, Colombia, 11.05N,74.02W) © Nick Athanas.

2179 1 Rufous-crowned Tody-Tyrant 1 Song 0:05 Poecilotriccus ruficeps (13/2/2006 10:00h, Huacamayos ridge, Napo, Ecuador, 00.37S,77.52W) © Peter Boesman

2179 2 Rufous-crowned Tody-Tyrant 2 Calls 0:13 Poecilotriccus ruficeps (13/2/2006 10:30h, Huacamayos ridge, Napo, Ecuador, 00.37S,77.52W) © Peter Boesman

2182 1 Black-and-white Tody-Tyrant 1 Call and song 0:26 Poecilotriccus capitalis (12/1/2005 10:30h, Carajás, Salobo area, Pará, Brazil, 05.55S,50.30W) © Peter Boesman

2182 2 Black-and-white Tody-Tyrant 2 Call and song 0:57 Poecilotriccus capitalis (14/1/2005 06:15h, Carajás, Salobo area, Pará, Brazil, 05.55S,50.30W) © Peter Boesman

2182 3 Black-and-white Tody-Tyrant 3 Call and song 1:17 Poecilotriccus capitalis (14/1/2005, Carajás, Salobo area, Pará, Brazil, 05.55S,50.30W) © Peter Boesman

2187 1 Rusty-fronted Tody-Flycatcher 1 Song 0:08 Todirostrum latirostre (27/6/1995 10:00h, Manu Andean Slope, Cuzco, Peru, 12.30S,71.30W) © Peter Boesman

2187 2 Rusty-fronted Tody-Flycatcher 2 Song 0:59 Poecilotriccus latirostris mituensis. (Mitu, Vaupes, Colombia, 190m, 06:20h, 08-06-2011, N1.14'45" W70.13'44"), © Andrew Spencer.

2187 3 Rusty-fronted Tody-Flycatcher 3 Calls 1:34 Todirostrum latirostre (30/7/2005 08:00h, Pantanal, Pixaim area, Mato Grosso, Brazil, 16.40S,56.50W) © Peter Boesman

2187 4 Rusty-fronted Tody-Flycatcher 4 Bill snapping and ca 0:24 Todirostrum latirostre (29/7/2005 08:30h, Pantanal, Porto Jofre area, Mato Grosso, Brazil, 17.25S,56.45W) © Peter Boesman

2188 1 Slate-headed Tody-Flycatcher 1 Call and song 0:44 Todirostrum sylvia (5/3/1994, Caño Colorado, Monagas, Venezuela, 09.55N,62.55W) © Peter Boesman

2188 2 Slate-headed Tody-Flycatcher 2 song 0:17 Todirostrum sylvia (3rd February 2011 8h00. RNA El Paujil, Santander, Colombia, 310m, 6.259° N, 74.15'41" W). (Background: Tropical Kingbird). © Peter Boesman.

2188 3 Slate-headed Tody-Flycatcher 3 Song 0:06 Todirostrum sylvia (13/1/2005 17:30h, Carajás, Aguas Claras area, Pará, Brazil, 06.00S,50.30W) © Peter Boesman.

2188 4 Slate-headed Tody-Flycatcher 4 Call 0:22 Todirostrum sylvia (12/1/2005 09:30h, Carajás, Salobo area, Pará, Brazil, 05.55S,50.30W) © Peter Boesman.

2188 5 Slate-headed Tody-Flycatcher 5 Call 0:18 Todirostrum sylvia (10/8/2002 06:30h, Canoabo area, Carabobo, Venezuela, 10.20N,68.18W) © Peter Boesman.

2188 6 Slate-headed Tody Flycatcher 6 Call 0:34 Todirostrum sylvia (5th February 2011 12h00. Bolombolo, Antioquia, Colombia 6°0' N, 75° 49' W). © Peter Boesman.

2189 1 Golden-winged Tody-Flycatcher 1 Song 0:10 Poecilotriccus calopterus. El Para, east of Archidona, Napo, Ecuador, 750m, 06:40h, 14-01-2011, S0.577" W77.43'53", song © Andrew Spencer.

2189 2 Golden-winged Tody-Flycatcher 2 Song 0:10 Poecilotriccus calopterus. Nuevo Paraiso, Zamora-Chinchipec, Ecuador, 940m, 09:00h, 14-08-2011, S4.2229" W78.39'20", song, natural vocalization © Andrew Spencer.

2192 1 Spotted Tody-Flycatcher 1 Song 0:10 Todirostrum maculatum (22/7/2005 16:00h, Rio Cristalino area, Mato Grosso, Brazil, 09.35S,55.50W) © Peter Boesman

2192 2 Spotted Tody-Flycatcher 2 Call 0:19 Todirostrum maculatum (22/7/2005 16:00h, Rio Cristalino area, Mato Grosso, Brazil, 09.35S,55.50W) © Peter Boesman

2192 3 Spotted Tody-Flycatcher 3 Call 0:52 Todirostrum maculatum (26th July 2010 15h00, Explomapo, Loreto, Peru, 120 m. 3°10' S, 72°55' W). © Peter Boesman.

2194 1 Common Tody-Flycatcher 1 Song and call 0:44 Todirostrum cinereum (31/12/2007 10:20h, Abra Patricia road, San Martín, Peru, 05.50S,77.46W) © Peter Boesman

2194 2 Common Tody-Flycatcher 2 Song 0:32 Todirostrum cinereum (27/7/2004, Arraial do Cabo, Rio de Janeiro, Brazil, 22.57S,42.02W) © Peter Boesman

2194 3 Common Tody-Flycatcher 3 Song 0:31 Todirostrum cinereum (27/11/2004 06:30h, Petrolina area, Pernambuco, Brazil, 09.25S,40.30W) © Peter Boesman.

2194 4 Common Tody-Flycatcher 4 Song 0:12 Todirostrum cinereum (22/7/2003 08:00h, Casa Maria, Carabobo, Venezuela, 10.19N,68.15W) © Peter Boesman.

2194 5 Common Tody-Flycatcher 5 Song 0:10 Todirostrum cinereum (3/8/2003 08:00h, Tucupita area, Delta Amac, Venezuela, 09.08N,62.04W) © Peter Boesman.

2194 6 Common Tody-Flycatcher 6 Call 0:12 Todirostrum cinereum (19/10/1994 09:00h, Boca de Macareo, Delta Amac, Venezuela, 09.04N,62.03W) © Peter Boesman.

2194 7 Common Tody-Flycatcher 7 Call 0:22 Todirostrum cinereum (6/11/1994 06:00h, Caño Colorado, Monagas, Venezuela, 09.55N,62.55W) © Peter Boesman.

2194 8 Common Tody-Flycatcher 8 Call 0:09 Todiostrom cinereum (22/7/2003 08:30h, Casa Maria, Carabobo, Venezuela, 10.19N,68.15W) © Peter Boesman.

2196 1 Black-headed Tody-Flycatcher 1 Duet 0:10 Todiostrom nigriceps (25/7/2000 10:00h, Rio Frio road, Merida, Venezuela, 08.52N,71.20W) © Peter Boesman

2196 2 Black-headed Tody-Flycatcher 2 Duet 0:07 Todiostrom nigriceps (20/12/1996 16:00h, San Juan de Colon, Tachira, Venezuela, 08.05N,72.16W) © Peter Boesman.

2196 3 Black-headed Tody-Flycatcher 3 Song 0:25 Todiostrom nigriceps (20/12/1996 16:00h, San Juan de Colon, Tachira, Venezuela, 08.05N,72.16W) © Peter Boesman.

2196 4 Black-headed Tody-Flycatcher 4 Song 0:19 Todiostrom nigriceps (3rd February 2011 10h00. RNA El Paujil, Santander, Colombia, 310m, 6.259° N, 74.1541° W). © Peter Boesman.

2196 5 Black-headed Tody-Flycatcher 5 Bill snapping 0:31 Todiostrom nigriceps (20/12/1996 16:00h, San Juan de Colon, Tachira, Venezuela, 08.05N,72.16W) © Peter Boesman.

2197 1 Painted Tody-Flycatcher 1 Song 1:22 Todiostrom pictum (5/8/2003, La Sirena, El Palmar, Bolivar, Venezuela, 08.10N,61.55W) © Peter Boesman

2197 2 Painted Tody-Flycatcher 2 Song 0:14 Todiostrom pictum (27/3/1997 08:00h, Lower Rio Caura area, Bolivar, Venezuela, 07.15N,65.00W) © Peter Boesman.

2197 3 Painted Tody-Flycatcher 3 Call 0:27 Todiostrom pictum (5/8/2003 18:00h, La Sirena, El Palmar, Bolivar, Venezuela, 08.10N,61.55W) © Peter Boesman.

2197 4 Painted Tody-Flycatcher 4 Call and song 0:19 Todiostrom pictum (13/2/1994 , Rio Grande area, Bolivar, Venezuela, 08.03N,61.40W) © Peter Boesman.

2198 1 Yellow-browed Tody-Flycatcher 1 Song 0:15 Todiostrom chrysocrotaphum (15/1/2005 09:00h, Carajás, Salobo area, Pará, Brazil, 05.55S,50.30W) © Peter Boesman

2198 2 Yellow-browed Tody-Flycatcher 2 Song 0:29 Todiostrom chrysocrotaphum (2/8/2008 17:30h, Villa Rica Coffee plantations, Pasco, Peru, 10.40S,75.20W) © Peter Boesman

2198 3 Yellow-browed Tody-Flycatcher 3 Song 0:18 Todiostrom chrysocrotaphum (25th July 2010 6h30, ACTS Exploraplo, Loreto, Peru, 120 m. 3°10' S, 72°55' W). © Peter Boesman.

2198 4 Yellow-browed Tody-Flycatcher 4 Call 2:03 Todiostrom chrysocrotaphum (15/1/2005 09:00h, Carajás, Salobo area, Pará, Brazil, 05.55S,50.30W) © Peter Boesman

2199 1 Brownish Twistwing 1 Song 0:25 Cnipodectes subbrunneus minor (Yasuni- Research Station, Parque Nacional Yasuni-, Orellana, Ecuador, 280m, 16:50h, 03-01-2008, S0.4027° W76.2352°). © Andrew Spencer.

2199 2 Brownish Twistwing 2 Song 0:25 Cnipodectes subbrunneus. (Tupana lodge, Amazonas, Brazil, 10-07-2009). At dusk. (Background: Red-billed Pied Tanager, Kawall's Parrot). © Alexandre Renaudier.

2199 3 Brownish Twistwing 3 Call 0:02 Cnipodectes subbrunneus (15/4/1995 , Darien Cana, , Panama, 07.50N,77.40W) © Peter Boesman.

2199 4 Brownish Twistwing 4 Call 0:07 Cnipodectes subbrunneus. (Tupana lodge, Amazonas, Brazil, 10-07-2009), (background: Dusky-capped Greenlet). © Alexandre Renaudier.

2199 5 Brownish Twistwing 5 Call and wing-whirring 0:10 Cnipodectes subbrunneus (15/4/1995 , Darien Cana, , Panama, 07.50N,77.40W) © Peter Boesman

2201 1 Olivaceous Flatbill 1 Song 0:50 Rhyncocyclus olivaceus (29/7/2003 16:00h, Balneario Subucual, Sucre, Venezuela, 10.33N,63.06W) © Peter Boesman

2202 1 Eye-ringed Flatbill 1 Call 2:32 Rhyncocyclus brevirostris. (14th March 2010 06h30, La Selva biological station, Heredia, Costa Rica). (Background: Bright-rumped Attila). © Peter Boesman.

2202 2 Eye-ringed Flatbill 2 Call 0:18 Rhyncocyclus brevirostris. (14th March 2010 06h30, La Selva biological station, Heredia, Costa Rica). (Background: Bright-rumped Attila). © Peter Boesman.

2202 2 Olivaceous Flatbill 2 Call 0:23 Rhyncocyclus olivaceus (2/11/1996 , La Mision Limestone hills, Falcon, Venezuela, 10.51N,68.33W) © Peter Boesman

2202 3 Eye-ringed Flatbill 3 Call 0:09 Rhyncocyclus brevirostris (10/4/2003 09:00h, Bonampak, Chiapas, Mexico, 16.42N,91.05W) © Peter Boesman.

2203 1 Pacific Flatbill 1 Song 0:39 Rhyncocyclus pacificus. 18 road km NNW Alto Tambo, Ecuador, 450m. ,h, 17-02-1992, N1.148° W78.3625°, songs 2 birds after pb, Tape ref. XLVB 487-499. also: Dusky Antbird © Niels Krabbe.

2203 2 Pacific Flatbill 2 Call 0:08 Rhyncocyclus pacificus. Trail to the Rio Mira 4 km. west of Alto Tambo, Esmeraldas, Ecuador, 550m, 11:00h, 30-07-2011, N0.5722° W78.3254°, call, response to playback. © Andrew Spencer.

2204 1 Fulvous-breasted Flatbill 1 Call 0:34 Rhyncocyclus fulvipectus. La Guatemala, along the Rio Zuriag, Tungurahua, Ecuador, 1250m, 07:00h, 06-08-2010, Calls © Andrew Spencer.

2205 1 Yellow-olive Flycatcher 1 Song 0:44 Tolmomyias sulphurescens (25/7/2000 11:00h, Rio Frio road, Merida, Venezuela, 08.52N,71.20W) © Peter Boesman.

2205 2 Yellow-olive Flycatcher 2 Song 0:20 Tolmomyias sulphurescens (22/7/2003 07:00h, Casa Maria, Carabobo, Venezuela, 10.19N,68.15W) © Peter Boesman.

2205 3 Yellow-olive Flycatcher 3 Song 1:26 Tolmomyias sulphurescens (1/8/2003 07:30h, Sabana de Piedra - Santa Maria road, Monagas, Venezuela, 10.15N,63.35W) © Peter Boesman.

2205 4 Yellow-olive Flycatcher 4 Song 0:37 Tolmomyias sulphurescens (1/8/2003 07:30h, Sabana de Piedra - Santa Maria road, Monagas, Venezuela, 10.15N,63.35W) © Peter Boesman.

2205 5 Yellow-olive Flycatcher 5 Song 1:01 Tolmomyias sulphurescens (5/8/2003 06:45h, Dry forest W of El Palmar, Bolivar, Venezuela, 07.58N,62.13W) © Peter Boesman.

2205 6 Yellow-olive Flycatcher 6 Song S 0:26 Tolmomyias sulphurescens (20/7/2006 09:00h, Tabajos tracks, Sao Gabriel da Cachoeira, Amazonas, Brazil, 00.10S,67.00W) © Peter Boesman.

2205 7 Yellow-olive Flycatcher 7 Call 0:19 Tolmomyias sulphurescens (14/8/1996 , Canoabo area, Carabobo, Venezuela, 10.20N,68.18W) © Peter Boesman.

2206 1 Orange-eyed Flycatcher 1 Song 1:44 Tolmomyias traylori (27th July 2010 6h30, Exploraplo, Loreto, Peru, 120 m. 3°10' S, 72°55' W). © Peter Boesman.

2206 2 Orange-eyed Flycatcher 2 Song 1:24 Tolmomyias traylori (27th July 2010 6h30, Exploraplo, Loreto, Peru, 120 m. 3°10' S, 72°55' W). © Peter Boesman.

2207 1 Yellow-margined Flycatcher 1 Song 0:45 Tolmomyias assimilis (6/8/2003, Rio Grande area, Bolivar, Venezuela, 08.03N,61.40W) © Peter Boesman

2207 2 Yellow-margined Flycatcher 2 Song 0:13 Tolmomyias assimilis unsplit (25/3/1997 07:30h, Lower Rio Caura area, Bolivar, Venezuela, 07.15N,65.00W) © Peter Boesman.

2207 3 Yellow-margined Flycatcher 3 Song 0:04 Tolmomyias assimilis unsplit (25/7/2002 07:30h, km 88 area, Bolivar, Venezuela, 06.12N,61.24W) © Peter Boesman.

2208 1 Gray-crowned Flycatcher 1 Song 0:55 Tolmomyias poliocephalus poliocephalus. Mitu, Vaupes, Colombia, 190m, 06:10h, 13-06-2011, N1.1445° W70.1344°, song, natural vocalization © Andrew Spencer.

2208 2 Gray-crowned Flycatcher 2 Song 0:40 Tolmomyias poliocephalus (19/7/2006 10:30h, Sao Gabriel da Cachoeira area, Amazonas, Brazil, 00.01S,66.30W) © Peter Boesman.

2208 3 Gray-crowned Flycatcher 3 Song 0:25 Tolmomyias poliocephalus (18/7/2006 09:00h, Presidente Figueiredo area, Amazonas, Brazil, 02.00S,60.00W) © Peter Boesman

2208 4 Gray-crowned Flycatcher 4 Call 0:38 Tolmomyias poliocephalus (10/4/1985 , San Carlos de Rio Negro, Amazonas, Venezuela, 01.55N,67.02W) © Chris Parrish.

2209 1 Yellow-breasted Flycatcher 1 Song 0:14 Tolmomyias flaviventris (10/8/2002 08:00h, Canoabo area, Carabobo, Venezuela, 10.20N,68.18W) © Peter Boesman.

2209 2 Yellow-breasted Flycatcher 2 Song 0:19 Tolmomyias flaviventris (2/2/1994 , Caño Colorado, Monagas, Venezuela, 09.55N,62.55W) © Peter Boesman.

2209 3 Yellow-breasted Flycatcher 3 Song 0:15 Tolmomyias flaviventris (27/5/1995 07:00h, Guataparó area, Carabobo, Venezuela, 10.13N,68.05W) © Peter Boesman.

2209 4 Yellow-breasted Flycatcher 4 Song 0:40 Tolmomyias flaviventris dissors. Mitu, Vaupes, Colombia, 190m, 05:40h, 12-06-2011, N1.1445° W70.1344°, song, natural vocalization; 'Ochre-ored' Flatbill © Andrew Spencer.

2209 5 Yellow-breasted Flycatcher 5 Dry call 0:05 Tolmomyias flaviventris (26/3/1997 09:30h, Lower Rio Caura area, Bolivar, Venezuela, 07.15N,65.00W) © Peter Boesman.

2210 1 Cinnamon-crested Spadebill 1 Song 1:57 Platyrinchus saturatus. (Cristalino Jungle Lodge, MT, Brazil, 250m, 06:30h, 23-08-2009, S9.3553° W55.5555°). © Andrew Spencer.

2210 2 Cinnamon-crested Spadebill 2 Song 0:49 Platyrinchus saturatus. (Régina, montagne tortue, French Guiana, 50m, 08-09-2010). (Background: Yellow-throated Flycatcher, Linedated Woodcreeper, Gray-crowned Flycatcher, Ferruginous-backed Antbird) © Alexandre Renaudier.

2210 3 Cinnamon-crested Spadebill 3 Song 0:35 Platyrinchus saturatus. (1/11/1993 , Junglaven area, Amazonas, Venezuela, 05.00N,66.23W) © Peter Boesman.

2210 4 Cinnamon-crested Spadebill 4 Call 1:47 Platyrinchus saturatus. (Cristalino Jungle Lodge, MT, Brazil, 250m, 14:30h, 14-08-2009, S9.3553° W55.5555°). © Andrew Spencer.

2210 5 Cinnamon-crested Spadebill 5 Call 0:07 Platyrinchus saturatus (10/12/1999 , Junglaven area, Amazonas, Venezuela, 05.00N,66.23W) © Mark Van Beirs

2210 6 Cinnamon-crested Spadebill 6 Call 0:20 Platyrinchus saturatus. (March 2009 , Junglaven area, Amazonas, Venezuela, 05.00N,66.23W) © Hans Matheve

2211 1 White-throated Spadebill 1 Song 0:34 Platyrinchus mystaceus (4/6/1995 06:30h, Palmichal area, Carabobo, Venezuela, 10.21N,68.12W) © Peter Boesman

2211 2 White-throated Spadebill 2 Song 0:22 Platyrinchus mystaceus (29/1/2004, Chapada de Araripe, Ceará, Brazil, 07.15S,39.32W) © Peter Boesman

2211 3 White-throated Spadebill 3 Call 0:21 Platyrinchus mystaceus (11/6/1995 06:00h, Palmichal area, Carabobo, Venezuela, 10.21N,68.12W) © Peter Boesman

2211 4 White-throated Spadebill 4 Call 0:47 Platyrinchus mystaceus (1/8/2002 07:00h, Upper escalera, Bolivar, Venezuela, 05.58N,61.24W) © Peter Boesman

2211 5 White-throated Spadebill 5 Call 0:30 Platyrinchus mystaceus (23/7/2004 07:45h, Ubatuba - Folha Seca road, Sao Paulo, Brazil, 23.28S,45.06W) © Peter Boesman.

2211 6 White-throated Spadebill 6 Call 0:17 Platyrinchus mystaceus (29/7/2004 10:30h, Itatiaia National Park, Rio de Janeiro, Brazil, 22.25S,44.35W) © Peter Boesman.

2212 1 Golden-crowned Spadebill 1 Song 0:09 Platyrinchus coronatus (26/7/2005 09:00h, Rio Cristalino Jungle Lodge, Mato Grosso, Brazil, 09.27S,55.54W) © Peter Boesman

2212 2 Golden-crowned Spadebill 2 Song 0:34 Platyrinchus coronatus (26/7/2005 09:00h, Rio Cristalino Jungle Lodge, Mato Grosso, Brazil, 09.27S,55.54W) © Peter Boesman

2212 3 Golden-crowned Spadebill 3 Song 0:23 Platyrinchus coronatus (25th July 2010 13h00, Exploraplo, Loreto, Peru, 120 m. 3°10' S, 72°55' W). Two birds. © Peter Boesman.

2212 4 Golden-crowned Spadebill 4 Song variant 0:06 *Platyrinchus coronatus* (24th July 2010 16h00, ACTS Explomapo, Loreto, Peru, 120 m, 3°10' S, 72°55' W). (Background: Plumbeous Pigeon). © Peter Boesman.

2212 5 Golden-crowned Spadebill 5 Call and wing whirr 0:21 *Platyrinchus coronatus* (27/7/2009 10:00h, Pantiacolla Lodge, Madre de Dios, Peru, 12.39S,71.14W) © Peter Boesman

2213 1 Yellow-throated Spadebill 1 Call 0:28 *Platyrinchus flavigularis* (5/8/2006 06:30h, Yacambu NP, Lara, Venezuela, 09.43N,69.35W) © Nick Athanas

2214 1 White-crested Spadebill 1 Song 0:06 *Platyrinchus platyrhynchos* (21/7/2005 10:00h, Rio Cristalino Jungle Lodge, Mato Grosso, Brazil, 09.27S,55.54W) © Peter Boesman

2214 2 White-crested Spadebill 2 Call and song 0:17 *Platyrinchus platyrhynchos* (5th Aug 2010 10h00, Rio Javari, Reserva Natural Palmari, Amazonas, Brazil, 50m, 4°17'20" S, 70°17'41" W). © Peter Boesman.

2214 3 White-crested Spadebill 3 Call 0:58 *Platyrinchus platyrhynchos* (21/7/2006 08:00h, Moises trail, Sao Gabriel da Cachoeira, Amazonas, Brazil, 00.30S,66.30W) © Peter Boesman

2214 4 White-crested Spadebill 4 Call 0:19 *Platyrinchus platyrhynchos* (5th August 2010 7h30, Rio Javari, Reserva Natural Palmari, Amazonas, Brazil, 50m, 4°17'20" S, 70°17'41" W). © Peter Boesman.

2216 1 Royal Flycatcher 1 Call S 0:33 *Onychorhynchus coronatus* (10/1/2005 10:15h, Carajás, Rio Parauapebas trail, Pará, Brazil, 06.05S,50.00W) © Peter Boesman

2216 2 Royal Flycatcher 2 Call N 1:15 *Onychorhynchus coronatus*. (23rd March 2010 07h15, Carara NP area, 10m elev., Puntarenas, Costa Rica). (Background: Barred Antshrike, Dusky Antbird, Northern Bentbill, Lesser Greenlet). © Peter Boesman

2216 3 Royal Flycatcher 3 Call N 0:56 *Onychorhynchus coronatus*. (23rd March 2010 09h00, Carara NP area, 10m elev., Puntarenas, Costa Rica). © Peter Boesman.

2217 1 Flavescent Flycatcher 1 Song 0:17 *Myiophobus flavicans* (8/3/1997 10:00h, Yacambu NP, Lara, Venezuela, 09.43N,69.35W) © Peter Boesman

2217 2 Flavescent Flycatcher 2 Call 0:37 *Myiophobus flavicans* (24/7/2003 09:00h, Sierra de Aroa, Yaracuy, Venezuela, 10.20N,68.50W) © Peter Boesman

2217 3 Flavescent Flycatcher 3 Call 0:32 *Myiophobus flavicans* (18/12/2000 12:15h, Yacambu NP, Lara, Venezuela, 09.43N,69.35W) © Chris Sharpe.

2217 4 Flavescent Flycatcher 4 Call 0:06 *Myiophobus flavicans* (29/7/2000 10:00h, El Morro road, Merida, Venezuela, 08.30N,71.05W) © Peter Boesman.

2218 1 Orange-crested Flycatcher 1 Song 1:48 *Myiophobus phoenicomitra litae*. Milpe, Pichincha, Ecuador, 1200m, 17:20h, 20-07-2010, N0.143° W78.5146", song © Andrew Spencer.

2218 2 Orange-crested Flycatcher 2 Song 1:05 *Myiophobus phoenicomitra phoenicomitra*. La Guatemala, along the Rio Zuñag, Tungurahua, Ecuador, 1250m, 09:30h, 05-08-2010, S1.243° W78.1113", song © Andrew Spencer.

2218 3 Orange-crested Flycatcher 3 Call 1:15 *Myiophobus phoenicomitra litae*. Milpe, Pichincha, Ecuador, 1200m, 10:00h, 08-09-2010, N0.143° W78.5146", Chatter calls from one of a pair of birds (female?) © Andrew Spencer.

2220 1 Roraiman Flycatcher 1 Song 0:29 *Myiophobus roraimae rufipennis*. Condor Mirador, Zamora-Chinchipe, Ecuador, 1450m, 07:30h, 16-08-2011, This bird was initially singing spontaneously in the distance, and called in with playback. © Andrew Spencer.

2222 1 Bran-colored Flycatcher 1 Song 0:37 *Myiophobus fasciatus* (27/7/2004, Arraial do Cabo, Rio de Janeiro, Brazil, 22.57S,42.02W) © Peter Boesman

2222 2 Bran-colored Flycatcher 2 Call 0:23 *Myiophobus fasciatus* (25/7/2009 13:00h, Manu lowlands, Madre de Dios, Peru, 12.20S,70.40W) © Peter Boesman

2222 3 Bran-colored Flycatcher 3 Call 0:12 *Myiophobus fasciatus* (2/8/2008 12:30h, Villa Rica Coffee plantations, Pasco, Peru, 10.40S,75.20W) © Peter Boesman

2222 4 Bran-colored Flycatcher 4 Call 0:43 *Myiophobus fasciatus* (10/8/2002 08:00h, Canoabo area, Carabobo, Venezuela, 10.20N,68.18W) © Peter Boesman

2222 5 Bran-colored Flycatcher 5 Call 0:03 *Myiophobus fasciatus* (23/12/1997 09:30h, Canoabo area, Carabobo, Venezuela, 10.20N,68.18W) © Peter Boesman.

2223 1 Tawny-breasted Flycatcher 1 Call 0:11 *Myiobius villosus*. Abra Maruncunca, Puno, Peru, 2050m, 10:30h, 09-11-2009, S14.140° W69.170", calls © Andrew Spencer.

2224 1 Sulphur-rumped Flycatcher 1 Song 0:28 *Myiobius barbatus* (2/1/2008 12:00h, Quebrada Upaquiñua, San Martin, Peru, 06.40S,76.25W) © Peter Boesman

2224 2 Sulphur-rumped Flycatcher 2 Song 0:22 *Myiobius barbatus mastacalis*. (Michelin forest reserve, Ituberá, BA, Brazil, 200m, 16:42h, 28-09-2007, S13.5012° W39.1427"). (Background: Long-billed Gnatwren, Scaled Woodcreeper). © Nick Athanas.

2224 3 Sulphur-rumped Flycatcher 3 Song 0:11 *Myiobius barbatus* (23/12/1992 09:30h, La Selva lodge, Napo, Ecuador, 00.30S,76.30W) © Peter Boesman.

2224 4 Sulphur-rumped Flycatcher 4 Call 0:40 *Myiobius barbatus* (10/8/2004, Itapoá - Volta Velha, Santa Catarina, Brazil, 26.07S,48.35W) © Peter Boesman

2225 1 Black-tailed Flycatcher 1 Call 0:58 *Myiobius atricaudus adjacens?* (Mitu, Vaupes, Colombia, 190m, 14:30h, 13-06-2011, N1.1445° W70.1344"). Call, in response to playback. © Andrew Spencer.

2226 1 Ruddy-tailed Flycatcher 1 Song 1:10 *Myiobius erythrurus* (20/1/2005 10:30h, Carajás, Aguas Claras area, Pará, Brazil, 06.00S,50.30W) © Peter Boesman

2226 2 Ruddy-tailed Flycatcher 2 Song 0:36 *Myiobius erythrurus* (12/1/2005, Carajás, Salobo area, Pará, Brazil, 05.55S,50.30W) © Peter Boesman

2226 3 Ruddy-tailed Flycatcher 3 Song 0:35 *Terenotriccus erythrurus*. (14-05-2008 13:49h, Tierra Blanca, Loreto , Peru, 150m, S4.1656° W77.1426"). (background: Ancient Antwren, Screaming Piha, Mouse-colored Antshrike). © Nick Athanas.

2226 4 Ruddy-tailed Flycatcher 4 Song 0:15 *Myiobius erythrurus* (4/7/1994 09:30h, km 88 area, Bolivar, Venezuela, 06.12N,61.24W) © Peter Boesman.

2226 5 Ruddy-tailed Flycatcher 5 Song variant 0:22 *Myiobius erythrurus* (March 2009, Junglaven, Amazonas, Venezuela) © Hans Matheve

2227 1 Cinnamon Manakin-Tyrant 1 Song 0:35 *Neopipo cinnamomea* (23/7/2006 08:00h, Moises trail, Sao Gabriel da Cachoeira, Amazonas, Brazil, 00.30S,66.30W) © Peter Boesman

2227 2 Cinnamon Manakin-Tyrant 2 Song 0:17 *Neopipo cinnamomea cinnamomea*. (Tierra Blanca, Loreto, Peru, 150m, 12:22h, 14-05-2008, S4.1656° W77.1426"). (Background: White-fronted Nunbird, Screaming Piha). © Nick Athanas.

2227 3 Cinnamon Manakin-Tyrant 3 Song 0:37 *Neopipo cinnamomea cinnamomea*. Mitu, Vaupes, Colombia, 190m, 08:00h, 10-06-2011, N1.1445° W70.1344", song, natural vocalization; song was off focus and quiet. © Andrew Spencer.

2227 4 Cinnamon Manakin-Tyrant 4 Call 0:56 *Neopipo cinnamomea* (30/7/2006 , Pantiacolla Lodge, Madre de Dios, Peru, 12.39S,71.14W) © David Van den Schoor

2228 1 Cinnamon Flycatcher 1 Song 0:53 *Pyrrhomyias cinnamomeus pyrrhopterus*. El 18, Valle del Cauca, Colombia, 08:55h, 17-07-2008, Song © Andrew Spencer.

2228 2 Cinnamon Flycatcher 2 Song 0:20 *Pyrrhomyias cinnamomeus*. Bogota-Quebrada la Vieja, Colombia, 2900m, 06:00h, 12-12-2002, Song © Doug Knapp.

2228 3 Cinnamon Flycatcher 3 Song 0:32 *Pyrrhomyias cinnamomea* (24/7/2003 09:15h, Sierra de Aroa, Yaracuy, Venezuela, 10.20N,68.50W) © Peter Boesman

2228 4 Cinnamon Flycatcher 4 Song 0:23 *Pyrrhomyias cinnamomea* (27/12/1996 08:00h, Matamula area, Tachira, Venezuela, 07.42N,72.26W) © Peter Boesman.

2228 5 Cinnamon Flycatcher 5 Song and call 0:15 *Pyrrhomyias cinnamomea* (3/8/2008 11:30h, Villa Rica-Oxapampa road, Pasco, Peru, 10.35S,75.20W) © Peter Boesman

2229 1 Cliff Flycatcher 1 Call 0:36 *Hirundinea ferruginea* (15/2/2006 16:00h, Ministerio road, Napo, Ecuador, 01.00S,77.30W) © Peter Boesman

2229 2 Cliff Flycatcher 2 Call 0:09 *Hirundinea ferruginea* (3/1/2008 10:15h, Tarapoto tunnel road, San Martin, Peru, 06.25S,76.15W) © Peter Boesman

2229 3 Cliff Flycatcher 3 Call 0:15 *Hirundinea ferruginea* (31/7/2000 17:00h, Presa Las Cuevas road, Tachira, Venezuela, 07.56N,71.47W) © Peter Boesman

2229 4 Cliff Flycatcher 4 Call 0:36 *Hirundinea ferruginea* (23/7/2004, Ubatuba - Fazenda Capricornio, Sao Paulo, Brazil, 23.25S,45.05W) © Peter Boesman

2229 5 Cliff Flycatcher 5 Call 0:30 *Hirundinea ferruginea* (26/7/2002 16:30h, Lower escalera, Bolivar, Venezuela, 06.00N,61.22W) © Peter Boesman

2230 1 Handsome Flycatcher 1 Call 0:14 *Myiophobus pulcher* (31st December 2009 8h45, P.N. Tatamá, Montezuma trail, near Pueblo Rico, Risaralda, Colombia, 1600m, 5°14'3"N 76° 52'1"W). © Peter Boesman.

2230 2 Handsome Flycatcher 2 Call 0:20 *Myiophobus pulcher pulcher*. RNA Las Tangaras, Choco, Colombia, 1800m, 07:50h, 24-06-2011, N5.4344° W76.1438", calls, natural vocalization; from one of a pair in a large mixed flock. © Andrew Spencer.

2233 1 Euler's Flycatcher 1 Song 0:54 *Lathrotriccus eulerei* (22/7/2009 08:00h, Manu Amazonia Lodge, Cuzco, Peru, 12.50S,71.15W) © Peter Boesman

2233 2 Euler's Flycatcher 2 Call 0:21 *Lathrotriccus eulerei* (13/8/2000 07:00h, Palmichal area, Carabobo, Venezuela, 10.21N,68.12W) © Peter Boesman.

2233 3 Euler's Flycatcher 3 Call 0:20 *Lathrotriccus eulerei* (19/6/1994 , Caño Colorado, Monagas, Venezuela, 09.55N,62.55W) © Peter Boesman.

2233 4 Euler's Flycatcher 4 Call 0:38 *Lathrotriccus eulerei* (11/6/1995 07:15h, Palmichal area, Carabobo, Venezuela, 10.21N,68.12W) © Peter Boesman

2233 5 Euler's Flycatcher 5 Call 0:39 *Lathrotriccus eulerei* (27/5/1995 09:30h, Guataparo area, Carabobo, Venezuela, 10.13N,68.05W) © Peter Boesman.

2233 6 Euler's Flycatcher 6 Call 0:40 *Lathrotriccus eulerei* (30/7/2002 08:00h, Gran Sabana southern side, Bolivar, Venezuela, 04.59N,60.50W) © Peter Boesman.

2233 7 Euler's Flycatcher 7 Interaction calls 0:41 *Lathrotriccus eulerei* (28/7/2004 08:00h, Carmo road, Rio de Janeiro, Brazil, 21.52S,42.35W) © Peter Boesman.

2235 1 Black-billed Flycatcher 1 Dawnsong 0:25 *Aphanotriccus audax* (3rd February 2011 6h15, RNA El Paujil, Santander, Colombia, 310m, 6.259° N, 74.1541° W). © Peter Boesman.

2235 2 Black-billed Flycatcher 2 Call 0:17 *Aphanotriccus audax* (2nd February 2011 6h00, RNA El Paujil, Santander, Colombia, 310m, 6.259° N, 74.1541° W). © Peter Boesman.

2235 3 Black-billed Flycatcher 3 Call 0:41 *Aphanotriccus audax* (3rd February 2011 9h30, RNA El Paujil, Santander, Colombia, 310m, 6.259° N, 74.1541° W). © Peter Boesman.

2236 1 Fuscous Flycatcher 1 Song 1:00 *Cnemotriccus fuscatus* (22/7/2000 07:50h, Hato El Cedral area, Apure, Venezuela, 07.30N,69.17W) © Chris Sharpe.

2236 2 Fuscous Flycatcher 2 Call 0:57 *Cnemotriccus fuscatus* (30/1/2004, Chapada de Araripe, Ceará, Brazil, 07.15S,39.32W) © Peter Boesman

2236 3 Fuscous Flycatcher 3 Call 0:18 *Cnemotriccus fuscatus* (1/8/2005 07:15h, Pantalan, Pixaim area, Mato Grosso, Brazil, 16.40S,56.50W) © Peter Boesman

2236 4 Fuscous Flycatcher 4 Call 0:26 *Cnemotriccus fuscatus* (2/2/1997 06:00h, Morrocoy NP, Falcon, Venezuela, 10.51N,68.18W) © Peter Boesman.

2236 5 Fuscous Flycatcher 5 Call 0:59 *Cnemotriccus fuscatus* (5th January 2010 9h40. Mana Dulce, Tolima, Colombia, 4° 21' 04"N 74° 39' 06"W). (Background: Ruddy Ground Dove). © Peter Boesman.

2236 6 Fuscous Flycatcher 6 Song duidae 0:55 *Cnemotriccus fuscatus* duidae. Mitu, Vaupes, Colombia, 190m, 05:20h, 14-06-2011, N1.14'45" W70.13'44", song, in response to playback, from an unseen bird in dense fairly short growth along the edge of taller white sand forest. © Andrew Spencer.

2236 7 Fuscous Flycatcher 7 Call duidae 0:03 *Cnemotriccus fuscatus* duidae. (20th July 2010 08h00, Alpahuayo - Mishana Reserve, Loreto, Peru, 120m, S3.50'0" W73.15'0"). © Peter Boesman.

2237 1 Acadian Flycatcher 1 Song 0:13 *Empidonax vireoscens* (24/4/1999 07:00h, Ozark Mountains, AR, Arkansas, USA,) © Peter Boesman

2237 2 Acadian Flycatcher 2 Call 0:19 *Empidonax vireoscens* (26/12/1996 07:00h, Rio Negro/Rio Frio area, Tachira, Venezuela, 07.36N,72.12W) © Peter Boesman

2237 3 Acadian Flycatcher 3 Call 0:24 *Empidonax vireoscens* (23/2/2000 11:25h, Ayapaina, Serrania de Canobatupe, Zulia, Venezuela, 10.03N,72.46W) © Chris Sharpe.

2237 4 Acadian Flycatcher 4 Call 0:32 *Empidonax vireoscens* (16/1/2001 10:00h, Mindo area, , Ecuador, 00.03N,78.45W) © Nick Athanas.

2237 5 Acadian Flycatcher 5 Call 0:34 *Empidonax vireoscens* (3rd February 2011 7h15. RNA El Paujil, Santander, Colombia, 310m, 6.2'59" N, 74.15'41" W). (Background: Colombian Chachalaca, White-tipped Dove, YellowTyrannulet). © Peter Boesman.

2238 1 Willow Flycatcher 1 Song 0:29 *Empidonax traillii*. (Routt County, Colorado, USA, 10:40h, 20-06-2007, N40.30'59" W106.59'2"), (Background: Warbling Vireo, MacGillivray's Warbler). © Andrew Spencer.

2238 2 Willow Flycatcher 2 Song 0:10 *Empidonax traillii*. (Loma El Barquito, La Union department, El Salvador), 11:00 am, Feb 2008), (Background: Inca Dove, Great Kiskadee). © Jesse Fagan.

2238 3 Willow Flycatcher 3 call 0:39 *Empidonax traillii*. (Routt County, Colorado, USA, 10:50h, 20-06-2007, N40.30'59" W106.59'2"), 'whit' calls and chattering calls both from this species. (background: Fox Sparrow, MacGillivray's Warbler) © Andrew Spencer

2239 1 Alder Flycatcher 1 Song 0:03 *Empidonax alnorum* (5/5/1999 07:00h, Sequoyah NWR, OK, USA) © Peter Boesman

2239 2 Alder Flycatcher 2 call 0:27 *Empidonax alnorum*. (Stony River Road, Lake Co., Minnesota, USA, 07:34h, 11-06-2007). (Background: American Robin, Northern Waterthrush, Nashville Warbler). © Andrew Spencer

2240 1 Olive-sided Flycatcher 1 song 0:49 *Contopus cooperi*. (Routt County, Colorado, USA, 09:50h, 22-06-2007). © Andrew Spencer.

2240 2 Olive-sided Flycatcher 2 Call 0:35 *Contopus cooperi*. (Church Pond Bog, Carroll Co., New Hampshire, United States, 07:20h, 23-05-2010, N44.3'32" W71.22'47"). © Andrew Spencer.

2240 3 Olive-sided Flycatcher 3 Call 0:24 *Contopus cooperi*. (January 2002. Unsuants, east slope Cordillera de Cutucú, Morona-Santiago, Ecuador. 530 - 1000 m. 2°33' S, 77°54' W). Recording was edited. Niels Krabbe.

2241 1 Smoke-colored Pewee 1 Song 0:30 *Contopus fumigatus* (31/7/2009 09:00h, Manu Andean Slope, Cuzco, Peru, 13.10S,71.30W) © Peter Boesman

2241 2 Smoke-colored Pewee 2 Song 0:08 *Contopus fumigatus* (30/7/2000 09:00h, El Morro - Aricagua road, Merida, Venezuela, 08.17N,71.09W) © Peter Boesman

2241 3 Smoke-colored Pewee 3 Call 0:18 *Contopus fumigatus* (11/6/1995 08:30h, Palmichal area, Carabobo, Venezuela, 10.21N,68.12W) © Peter Boesman

2241 4 Smoke-colored Pewee 4 Call 0:13 *Contopus fumigatus* (27/7/2002, Upper escalera, Bolivar, Venezuela, 05.58N,61.24W) © Peter Boesman

2241 5 Smoke-colored Pewee 5 Call 0:17 *Contopus fumigatus* (27/2/1995 16:30h, San Isidro area, Barinas, Venezuela, 08.52N,70.36W) © Peter Boesman.

2241 6 Smoke-colored Pewee 6 Call 0:12 *Contopus fumigatus* (31st December 2009 11h15. P.N. Tatamá, Montezuma trail, near Pueblo Rico, Risaralda, Colombia, 1600m, 5°14'3"N 76° 5'21" W). © Peter Boesman.

2242 1 Western Wood-Pewee 1 Call 0:30 *Contopus sordidulus* (16/1/2001 09:00h, Mindo area, , Ecuador, 00.03N,78.45W) © Nick Athanas.

2242 2 Western Wood-Pewee 2 Call 0:20 *Contopus sordidulus* (15/2/2006 06:00h, Sumaco road, Napo, Ecuador, 00.45S,77.35W) © Peter Boesman.

2243 1 Eastern Wood-Pewee 1 Song 0:30 *Contopus virens* (8/4/2003 08:15h, Palenque ruins, Chiapas, Mexico, 17.22N,92.00W) © Peter Boesman

2243 2 Eastern Wood-Pewee 2 Call 0:17 *Contopus virens* (17/4/1997 15:00h, Paez Dam, Merida, Venezuela, 08.56N,70.38W) © Peter Boesman

2243 3 Eastern Wood-Pewee 3 Call 0:16 *Contopus virens* (25/12/1996 17:00h, La Petrolea area, Tachira, Venezuela, 07.38N,72.21W) © Peter Boesman.

2244 1 Tropical Pewee 1 Song 0:11 *Contopus cinereus* (7/12/1999 , Paria peninsula hills, Sucre, Venezuela, 10.41N,62.37W) © Mark Van Beirs

2244 2 Tropical Pewee 2 Call 0:42 *Contopus cinereus* (23/7/2004 10:00h, Ubatuba - Folha Seca road, Sao Paulo, Brazil, 23.28S,45.06W) © Peter Boesman

2244 3 Tropical Pewee 3 Call 0:15 *Contopus cinereus* (14/8/2004 10:15h, Ubatuba - Fazenda Capricornio, Sao Paulo, Brazil, 23.25S,45.05W) © Peter Boesman.

2247 1 Tufted Flycatcher 1 call 0:41 *Mitrephanes phaeocercus*. (16th March 2010 07h15, Tapanti NP, 1250m elev., Cartago, Costa Rica). (Background: Slaty-backed Nightingale Thrush). © Peter Boesman.

2247 2 Tufted Flycatcher 2 call 0:04 *Mitrephanes phaeocercus*. (16th March 2010 07h15, Tapanti NP, 1250m elev., Cartago, Costa Rica). (Background: Slaty-backed Nightingale Thrush). © Peter Boesman.

2247 3 Tufted Flycatcher 3 call 0:30 *Mitrephanes phaeocercus*. (16th March 2010 08h00, Tapanti NP, 1250m elev., Cartago, Costa Rica). (Background: Slaty-backed Nightingale Thrush). © Peter Boesman.

2249 1 Black Phoebe 1 Song 1:20 *Sayornis nigricans angustirostris*. San Agustin, Huila, Colombia, 1700m, 11:00h, 26-06-2010, song © Andrew Spencer.

2249 2 Black Phoebe 2 Song 0:37 *Sayornis nigricans* (22/12/1996 17:00h, La Petrolea area, Tachira, Venezuela, 07.38N,72.21W) © Peter Boesman

2249 3 Black Phoebe 3 Song 0:09 *Sayornis nigricans* (12/3/2001 09:30h, Teotitlan, Oaxaca, Mexico, 17.05N,96.30W) © Peter Boesman

2250 1 Vermilion Flycatcher 1 Song and call 1:57 *Pyrocephalus rubinus* (21/7/2000 14:15h, Hato El Cedral area, Apure, Venezuela, 07.30N,69.17W) © Chris Sharpe

2250 2 Vermilion Flycatcher 2 Song 0:06 *Pyrocephalus rubinus* (10/3/2001, Black Tank along Highway 175, Oaxaca, Mexico, 17.10N,96.40W) © Peter Boesman

2255 1 Amazonian Black-Tyrant 1 Call 0:19 *Knipolegus poecilocercus* (1/3/1994 , Camani, Amazonas, Venezuela, 05.05N,66.20W) © Gustavo Rodriguez.

2258 1 Rufous-tailed Tyrant 1 Call 0:31 *Knipolegus poecilurus peruanus*. (Bosque Shollet, Villa Rica-Oxapampa Road, Pasco, Peru, 2300m, 08:00h, 29-09-2011). Calls from a pair of birds in response to playback. © Andrew Spencer.

2258 2 Rufous-tailed Tyrant 2 Call 0:34 *Knipolegus poecilurus peruanus*. (Bosque Shollet, Villa Rica-Oxapampa Road, Pasco, Peru, 2300m, 08:00h, 29-09-2011), Calls from one of a pair. © Andrew Spencer.

2259 1 Riverside Tyrant 1 Song 0:33 *Knipolegus orenocensis*. Padre Island, near Cumaceba Lodge, Peru, 1007m, ?h, 19-01-2006, S3.39'38" W73.10'3", Song, male. Display flight with mechanical noise and brief calls © Frank Lambert.

2264 1 Drab Water-Tyrant 1 Song 0:47 *Ochthornis littoralis* (27/7/2009 12:00h, Pantiacolla Lodge, Madre de Dios, Peru, 12.39S,71.14W) © Peter Boesman

2264 2 Drab Water-Tyrant 2 Call 0:05 *Ochthornis littoralis* (1/2/1994 , Camani, Amazonas, Venezuela, 05.05N,66.20W) © Gustavo Rodriguez

2265 1 Yellow-browed Tyrant 1 Call 0:28 *Satrapa icterophrys*. (Estancia El Potrero (alrededores Puerto Unzué), Gualaguaychu, Entre Rios, Argentina, 45m, 17-10-2008). © Bernabe Lopez-Lanus.

2292 1 Streak-throated Bush-Tyrant 1 Song 0:24 *Myiotheretes striaticollis* (19/7/2009 07:30h, Manu road high, Cuzco, Peru, 13.12S,71.35W) © Peter Boesman

2292 2 Streak-throated Bush-Tyrant 2 Call 0:23 *Myiotheretes striaticollis* (19/7/2009 07:30h, Manu road high, Cuzco, Peru, 13.12S,71.35W) © Peter Boesman

2292 3 Streak-throated Bush-Tyrant 3 Call 0:29 *Myiotheretes striaticollis* (6/8/2008 12:30h, Apaya-Andamarca road, Junin, Peru, 11.40S,74.50W) © Peter Boesman

2292 4 Streak-throated Bush-Tyrant 4 Call 0:24 *Myiotheretes striaticollis* (19/7/2009 08:00h, Manu road high, Cuzco, Peru, 13.12S,71.35W) © Peter Boesman

2292 5 Streak-throated Bush-Tyrant 5 Call 0:37 *Myiotheretes striaticollis*. Above RNA El Dorado, Sierra de Santa Marta, Magdalena, Colombia, 2450m, 14:30h, 8 Feb 2010, N11.6'28" W74.2'55", calls © Frank Lambert.

2292 6 Streak-throated Bush Tyrant 6 Call 0:22 *Myiotheretes striaticollis* (30th December 2009 11h55. R.N. Rio Blanco, Caldas, Colombia, 2600m, 5°5' N 75°30'W). © Peter Boesman.

2293 1 Santa Marta Bush-Tyrant 1 Call 0:06 *Myiotheretes pemix* (31/1/1994 10:30h, Santa Marta Lorenzo road, Magdalena, Colombia, 11.00N,73.40W) © Peter Boesman.

2293 2 Santa Marta Bush-Tyrant 2 Call 0:30 *Myiotheretes pemix*. RNA El Dorado, Sierra de Santa Marta, Magdalena, Colombia, 2530m, 06:16h, 02-11-2007, N11.6'28" W74.2'55", song?, A second indiv. can be heard in bg.. also: Black-fronted Wood-Quail © Nick Athanas.

2293 3 Santa Marta Bush-Tyrant 3 Call 2:03 *Myiotheretes pemix*. Santa Marta region, Colombia, 2600m, 15-2-07, N11.0'0" W73.42'0", calls, © Frank Lambert.

2294 1 Smoky Bush-Tyrant 1 Song 0:20 *Myiotheretes fumigatus* (30/7/2008 06:20h, Carpish Tunnel, Huánuco, Peru, 09.40S,76.05W) © Peter Boesman

2294 2 Smoky Bush-Tyrant 2 Call 1:37 *Myiotheretes fumigatus* (31/7/2008 08:15h, Carpish Tunnel, Huánuco, Peru, 09.40S,76.05W) © Peter Boesman

2294 3 Smoky Bush-Tyrant 3 Call 0:19 *Myiotheretes fumigatus* (7th January 2010 12h30. Onzaga road near Soata, Boyaca, Colombia, 6°20'11"N 72°44'11"W). © Peter Boesman.

2294 4 Smoky Bush-Tyrant 4 Call 0:39 *Myiotheretes fumigatus* (31/7/2000 10:00h, El Morro - Aricagua road, Merida, Venezuela, 08.17N,71.09W) © Peter Boesman.

2296 1 Red-rumped Bush-Tyrant 1 Call 0:45 *Cnemarchus erythropygius*. Cuzco; Mantarray; not far from Urubamba, Peru, 4100m, 30-10-03, S13.5'59" W71.54'0", calls, © Frank Lambert.

2301 1 Pied Water-Tyrant 1 Call 0:13 *Fluvicola pica* (10/8/2002, Canoabo area, Carabobo, Venezuela, 10.20N,68.18W) © Peter Boesman

2301 2 Pied Water-Tyrant 2 Call 0:11 *Fluvicola pica* (30/12/1996 16:00h, Rio Sarare/Rio Burguita, Apure, Venezuela, 07.14N,71.25W) © Peter Boesman.

2304 1 White-headed Marsh-Tyrant 1 Call 0:22 *Arundinicola leucocephala* (4/8/2002 08:00h, Laguna Unare, Anzoategui, Venezuela, 10.07N,65.20W) © Peter Boesman

2308 1 Crowned Chat-Tyrant 1 Song 0:29 Ochthoeca frontalis frontalis. Yanacocha reserve, Pichincha, Ecuador, 3500m, 08:00h, 13-09-2002, S0.8°0' W78.35°0', song, Response to playback © Nick Athanas.

2311 1 Yellow-bellied Chat-Tyrant 1 Song 0:15 Ochthoeca diadema (29/12/1997 07:00h, Guaramacal NP, Trujillo, Venezuela, 09.10N,70.11W) © Peter Boesman

2312 2 Yellow-bellied Chat-Tyrant 2 Song () 0:06 Silvicultrix diadema (29/12/1997 07:00h, Guaramacal NP, Trujillo, Venezuela, 09.10N,70.11W) © Peter Boesman.

2312 1 Slaty-backed Chat-Tyrant 1 Song 0:13 Ochthoeca cinnamomeiventris (29th December 2009 9h00. R.N. Rio Blanco, Caldas, Colombia, 2600m, 5°5' N 75°30'W)). © Peter Boesman.

2312 2 Slaty-backed Chat-Tyrant 2 Song 1:52 Ochthoeca cinnamomeiventris cinnamomeiventris. RNA El Colibri del Sol, Paramo de Frontino, Antioquia, Colombia, 2250m, 08:00h, 21-06-2011, N6.26°17' W76.5°18', song, response to playback from a pair of birds © Andrew Spencer.

2312 3 Slaty-backed Chat-Tyrant 3 Call 0:51 Ochthoeca cinnamomeiventris (29th December 2009 13h30. R.N. Rio Blanco, Caldas, Colombia, 2600m, 5°5' N 75°30'W)). © Peter Boesman.

2312 4 Slaty-backed Chat-Tyrant 4 Call 0:37 Ochthoeca cinnamomeiventris (6th February 2011 6h30. Jardin, Antioquia, Colombia 6° 58' 03" N, 75° 31' 38" W). © Peter Boesman.

2313 1 Rufous-breasted Chat-Tyrant 1 Song 0:11 Ochthoeca rufipectoralis (24/12/1994 07:30h, Siberia near Comarapa, Santa Cruz, Bolivia, 18.14S,65.00W) © Peter Boesman

2313 2 Rufous-breasted Chat-Tyrant 2 Song 0:05 Ochthoeca rufipectoralis (6/8/2008 14:00h, Apaya-Andamarca road, Junin, Peru, 11.40S,74.50W) © Peter Boesman

2313 3 Rufous-breasted Chat-Tyrant 3 Call 0:08 Ochthoeca rufipectoralis (20/7/2009 09:00h, Manu road high, Cuzco, Peru, 13.12S,71.35W) © Peter Boesman

2313 4 Rufous-breasted Chat-Tyrant 4 Call 0:09 Ochthoeca rufipectoralis (1/8/2009 08:00h, Abra Malaga area, Cuzco, Peru, 13.10S,72.20W) © Peter Boesman

2314 1 Brown-backed Chat-Tyrant 1 Song 0:07 Ochthoeca fucicolor (12/2/2006 09:30h, Papallacta pass, Pichincha, Ecuador, 00.25S,78.08W) © Peter Boesman

2314 2 Brown-backed Chat-Tyrant 2 Song 0:08 Ochthoeca fucicolor fucicolor. Parque Nacional Natural Chingaza, Cundinamarca, Colombia, 3300m, 11:45h, 06-06-2011, N4.44°49' W73.51°21", calls, natural vocalization © Andrew Spencer.

2314 3 Brown-backed Chat-Tyrant 3 Calls 0:35 Ochthoeca fucicolor (29/7/2008 06:00h, Bosque Unchog, Huánuco, Peru, 09.45S,76.15W) © Peter Boesman

2314 4 Brown-backed Chat-Tyrant 4 Call 0:56 Ochthoeca fucicolor (28/7/2008 09:00h, Bosque Unchog, Huánuco, Peru, 09.45S,76.15W) © Peter Boesman

2314 5 Brown-backed Chat-Tyrant 5 Call 0:04 Ochthoeca fucicolor (3/1/1993 , Papallacta pass, Pichincha, Ecuador, 00.25S,78.08W) © Peter Boesman

2319 1 Long-tailed Tyrant 1 Song 0:23 Colonia colonus (5/8/2004 10:45h, Intervalles National Park, Sao Paulo, Brazil, 24.20S,48.25W) © Peter Boesman

2319 2 Long-tailed Tyrant 2 Song 0:15 Colonia colonus (24/7/2005 06:30h, Rio Cristalino Jungle Lodge, Mato Grosso, Brazil, 09.27S,55.54W) © Peter Boesman

2319 3 Long-tailed Tyrant 3 Call 0:15 Colonia colonus (21/7/2005 09:15h, Rio Cristalino Jungle Lodge, Mato Grosso, Brazil, 09.27S,55.54W) © Peter Boesman

2319 4 Long-tailed Tyrant 4 Call and song 0:45 Colonia colonus (4th February 2011 8h30. Rio Claro, Doradal, Antioquia, Colombia, 1500m, 5.54°0' N, 74.50°54' W). (Background: Slaty-winged Foliagegleaner). © Peter Boesman.

2319 5 Long-tailed Tyrant 5 Call 0:25 Colonia colonus (26/7/2004 06:45h, Angra dos Reis, Rio de Janeiro, Brazil, 23.05S,44.20W) © Peter Boesman.

2319 6 Long-tailed Tyrant 6 Call 0:19 Colonia colonus (28/7/2004 08:30h, Carmo road, Rio de Janeiro, Brazil, 21.52S,42.35W) © Peter Boesman.

2319 7 Long-tailed Tyrant 7 Call 0:14 Colonia colonus (20/1/2005 06:15h, Carajás, Aguas Claras area, Pará, Brazil, 06.00S,50.30W) © Peter Boesman.

2320 1 Short-tailed Field-Tyrant 1 Song 0:15 Muscigralla brevicauda (23/7/2008 09:00h, Lomas de Lachay, Lima, Peru, 11.20S,77.30W) © Peter Boesman.

2321 1 Cattle Tyrant 1 Song 0:37 Machetornis rixosus (30/12/1996, Rio Sarare/Rio Burguita, Apure, Venezuela, 07.14N,71.25W) © Peter Boesman

2322 1 Piratic Flycatcher 1 Song 0:24 Legatus leucophaius (2/4/1995 08:00h, Guataparo area, Carabobo, Venezuela, 10.13N,68.05W) © Peter Boesman.

2322 2 Piratic Flycatcher 2 Song 0:43 Legatus leucophaius (26/3/1997 17:00h, Lower Rio Caura area, Bolivar, Venezuela, 07.15N,65.00W) © Peter Boesman.

2322 3 Piratic Flycatcher 3 Song 0:21 Legatus leucophaius (28/7/2003 16:00h, Finca Vuelta Larga, Sucre, Venezuela, 10.30N,63.00W) © Peter Boesman.

2323 1 Rusty-margined Flycatcher 1 Calls 0:19 Myiozetetes cayanensis (24/11/1996 07:00h, Casa Maria, Carabobo, Venezuela, 10.19N,68.15W) © Peter Boesman

2323 2 Rusty-margined Flycatcher 2 Call 0:27 Myiozetetes cayanensis (1/8/2005 07:30h, Pantalan, Pixaim area, Mato Grosso, Brazil, 16.40S,56.50W) © Peter Boesman

2323 3 Rusty-margined Flycatcher 3 Call 0:15 Myiozetetes cayanensis (5/5/1997 18:00h, Casa Maria, Carabobo, Venezuela, 10.19N,68.15W) © Peter Boesman.

2323 4 Rusty-margined Flycatcher 4 Agitated call 0:12 Myiozetetes cayanensis (24/11/1996 07:00h, Casa Maria, Carabobo, Venezuela, 10.19N,68.15W) © Peter Boesman.

2324 1 Social Flycatcher 1 Call 0:28 Myiozetetes similis (12/8/2004 07:30h, Itanhaém, Sao Paulo, Brazil, 24.10S,46.50W) © Peter Boesman

2324 2 Social Flycatcher 2 Call 0:22 Myiozetetes similis (28/11/1998 07:00h, Uxmal Ruins, Yucatan, Yucatan, Mexico, 20.25N,89.40W) © Peter Boesman.

2325 1 Gray-capped Flycatcher 1 Dawn song 0:38 Myiozetetes granadensis. (02-11-2008 4:50h, Amazonia Lodge, Manu, Madre de Dios, Peru, 550m). (background: Cinereous Tinamou, Cinnamon-throated Woodcreeper, Barred Forest-Falcon). © David Geale.

2325 2 Gray-capped Flycatcher 2 Dawnsong 0:17 Myiozetetes granadensis. (20th March 2010 05h40, Esquinas lodge, 100m elev., Piedras Blancas NP, Puntarenas, Costa Rica). (Background: Clay-coloured Thrush). © Peter Boesman.

2325 3 Gray-capped Flycatcher 3 call 0:26 Myiozetetes granadensis (9/1/1993 17:00h, Corcovado NP, Puntarenas, Costa Rica, 08.40N,83.40W) © Gunter De Smet

2325 4 Gray-capped Flycatcher 4 Call 0:16 Myiozetetes granadensis (30/10/1993 , Lower Rio Caura area, Bolivar, Venezuela, 07.15N,65.00W) © Peter Boesman

2325 5 Gray-capped Flycatcher 5 call 0:09 Myiozetetes granadensis. (21st March 2010 15h00, Esquinas lodge, 100m elev., Piedras Blancas NP, Puntarenas, Costa Rica). © Peter Boesman.

2325 6 Gray-capped Flycatcher 6 Call 0:37 Myiozetetes granadensis (24/7/2009 17:00h, Amazon Manu Lodge, Madre de Dios, Peru, 12.18S,70.48W) © Peter Boesman

2325 7 Gray-capped Flycatcher 7 Call 0:12 Myiozetetes granadensis (28/12/2007 18:00h, Abra Patricia road, San Martín, Peru, 05.50S,77.46W) © Peter Boesman

2326 1 Dusky-chested Flycatcher 1 Song 0:51 Myiozetetes luteiventris (14/1/2005 09:30h, Carajás, Salobo area, Pará, Brazil, 05.55S,50.30W) © Peter Boesman

2326 2 Dusky-chested Flycatcher 2 Call 0:21 Myiozetetes luteiventris (24/3/1997 16:30h, Lower Rio Caura area, Bolivar, Venezuela, 07.15N,65.00W) © Peter Boesman

2326 3 Dusky-chested Flycatcher 3 Call 0:19 Myiozetetes luteiventris (1/11/1993 , Junglaven area, Amazonas, Venezuela, 05.00N,66.23W) © Peter Boesman.

2326 4 Dusky-chested Flycatcher 4 Call 0:11 Myiozetetes luteiventris (28/3/1997 11:00h, Gavilan road, Amazonas, Venezuela, 05.36N,67.12W) © Peter Boesman.

2326 5 Dusky-chested Flycatcher 5 Interaction calls 1:24 Myiozetetes luteiventris (22/7/2009 07:30h, Manu Amazonia Lodge, Cuzco, Peru, 12.50S,71.15W) © Peter Boesman

2327 1 White-bearded Flycatcher 1 Call 0:13 Phelpsia inornata © Paul Schwartz

2327 2 White-bearded Flycatcher 2 Call 0:10 Phelpsia inornata (1/7/1995 , Hato El Cedral area, Apure, Venezuela, 07.30N,69.17W) © Gustavo Rodriguez.

2328 1 Great Kiskadee 1 Call 0:14 Pitangus sulphuratus (28/7/2003 16:30h, Finca Vuelta Larga, Sucre, Venezuela, 10.30N,63.00W) © Peter Boesman

2328 2 Great Kiskadee 2 Call 0:14 Pitangus sulphuratus (3/8/2003 07:00h, Tucupita area, Delta Amac, Venezuela, 09.08N,62.04W) © Peter Boesman.

2328 3 Great Kiskadee 3 Call 0:33 Pitangus sulphuratus (14/1/2005 13:30h, Carajás, Salobo area, Pará, Brazil, 05.55S,50.30W) © Peter Boesman

2328 4 Great Kiskadee 4 Call 0:07 Pitangus sulphuratus (23/7/2003 05:45h, Casa Maria, Carabobo, Venezuela, 10.19N,68.15W) © Peter Boesman.

2329 1 Lesser Kiskadee 1 Call 0:17 Philohydor lictor (27/7/2003 06:00h, Morocco NP, Falcon, Venezuela, 10.51N,68.18W) © Peter Boesman

2329 2 Lesser Kiskadee 2 Call 0:25 Philohydor lictor (24/6/1996 07:00h, Sanare-Yaracal plains, Falcon, Venezuela, 10.55N,68.25W) © Peter Boesman

2329 3 Lesser Kiskadee 3 Call 0:20 Philohydor lictor (28th July 2010 17h30, Cumaceba lodge, Loreto, Peru, 3°38' S, 73°08' W). © Peter Boesman.

2329 4 Lesser Kiskadee 4 Call 0:19 Philohydor lictor (14/2/1994 , Rio Grande area, Bolivar, Venezuela, 08.03N,61.40W) © Peter Boesman.

2330 1 White-ringed Flycatcher 1 call 0:14 Conopias albovittatus. (14th March 2010 13h20, La Selva biological station, Heredia, Costa Rica). © Peter Boesman.

2330 2 White-ringed Flycatcher 2 call () 0:22 Conopias albovittatus. (14th March 2010 08h40, La Selva biological station, Heredia, Costa Rica). © Peter Boesman.

2331 1 Yellow-throated Flycatcher 1 Song 1:03 Conopias parvus. (Régina, grande Montagne tortue Bézilzon, French Guiana, 300m, 23-09-2010). (background: Golden-winged Parakeet, Plumbeous Pigeon, Paradise Tanager). © Alexandre Renaudier.

2331 2 Yellow-throated Flycatcher 2 Call 0:21 Conopias parvus. Mitu, Vaupes, Colombia, 190m, 13:00h, 13-06-2011, N1.14°45' W70.13°44". Calls from one of a pair that were part of a large mixed flock. © Andrew Spencer.

2331 3 Yellow-throated Flycatcher 3 Call 0:34 Conopias parvus. (14-05-2008 14:05h, Tierra Blanca, Loreto , Peru, 150m, S4.16°56' W77.14°26"). After playback. (Background: Dusky-capped Greenlet). © Nick Athanas.

2331 4 Yellow-throated Flycatcher 4 Call 0:23 Conopias parva (3/8/2002, Km 67 area, Bolivar, Venezuela, 06.18N,61.16W) © Peter Boesman

2331 5 Yellow-throated Flycatcher 5 Call 0:16 Conopias parva (24/3/1998 08:00h, Lower escalera, Bolivar, Venezuela, 06.00N,61.22W) © Chris Sharpe

2331 6 Yellow-throated Flycatcher 6 Call
2333 1 Lemon-browed Flycatcher 1 Call
2333 2 Lemon-browed Flycatcher 2 Call
2333 3 Lemon-browed Flycatcher 3 Call
2334 1 Golden-crowned Flycatcher 1 Call
2334 2 Golden-crowned Flycatcher 2 Call
2334 3 Golden-crowned Flycatcher 3 Call
2334 4 Golden-crowned Flycatcher 4 Call
2334 5 Golden-crowned Flycatcher 5 Call
2334 6 Golden-crowned Flycatcher 6 Call
2336 1 Sulphur-bellied Flycatcher 1 call
2336 2 Sulphur-bellied Flycatcher 2 call
2336 3 Sulphur-bellied Flycatcher 3 call
2337 1 Streaked Flycatcher 1 Song
2337 2 Streaked Flycatcher 2 Song
2337 3 Streaked Flycatcher 3 Call
2337 4 Streaked Flycatcher 4 Call
2337 5 Streaked Flycatcher 5 Call
2337 6 Streaked Flycatcher 6 Call
2337 7 Streaked Flycatcher 7 Call
2338 1 Boat-billed Flycatcher 1 Dawn song
2338 2 Boat-billed Flycatcher 2 Song
2338 3 Boat-billed Flycatcher 3 Call
2338 4 Boat-billed Flycatcher 4 Call
2338 5 Boat-billed Flycatcher 5 Call
2338 6 Boat-billed Flycatcher 6 Call
2339 1 Sulphury Flycatcher 1 Song
2339 2 Sulphury Flycatcher 2 Song
2339 3 Sulphury Flycatcher 3 Call
2340 1 Variegated Flycatcher 1 Call
2340 2 Variegated Flycatcher 2 Call
2341 1 Crowned Slaty Flycatcher 1 Call
2342 1 Snowy-throated Kingbird 1 Song
2342 2 Snowy-throated Kingbird 2 Call
2344 1 Tropical Kingbird 1 Song
2344 2 Tropical Kingbird 2 Song
2344 3 Tropical Kingbird 3 Short Song
2344 4 Tropical Kingbird 4 Short Song
2344 5 Tropical Kingbird 5 Short Song
2344 6 Tropical Kingbird 6 Short Song
2344 7 Tropical Kingbird 7 Call
2344 8 Tropical Kingbird 8 Call
2344 9 Tropical Kingbird 9 Call
2345 1 Fork-tailed Flycatcher 1 Call
2346 1 Eastern Kingbird 1 Song
2346 2 Eastern Kingbird 2 Song and call
2347 1 Gray Kingbird 1 Call
2348 1 Rufous Mourner 1 call and song
2348 2 Rufous Mourner 2 call
2348 3 Rufous Mourner 3 call
2349 1 Grayish Mourner 1 Dawn song
2349 2 Grayish Mourner 2 Song
2349 3 Grayish Mourner 3 Song
2349 4 Grayish Mourner 4 Song
2349 5 Grayish Mourner 5 Call and song
2350 1 Pale-bellied Mourner 1 Song
2350 2 Pale-bellied Mourner 2 Song
2350 3 Pale-bellied Mourner 3 Song
2351 1 Sirystes 1 Song
2351 2 Sirystes 2 Call
2351 3 Sirystes 3 Call
2352 1 Dusky-capped Flycatcher 1 Call
2352 2 Dusky-capped Flycatcher 2 Call
2353 1 Dusky-capped Flycatcher 3 Call
0:15 Conopias parva (Guiana trail km 75, Bolivar, Venezuela, 06.18N,61.16W) © Hans Matheve
0:41 Conopias cinchoneti (30/7/2009 15:00h, San Pedro area, Cuzco, Peru, 13.08S,71.35W) © Peter Boesman
0:16 Conopias cinchoneti (27/6/1995 10:00h, Manu Andean Slope, Cuzco, Peru, 12.30S,71.30W) © Peter Boesman
0:40 Conopias cinchoneti (4/8/2008 06:15h, Pozuzo area, Pasco, Peru, 10.10S,75.30W) © Peter Boesman
0:12 Myiodynastes chrysocephalus (29/7/2000 08:00h, El Morro road, Merida, Venezuela, 08.30N,71.05W) © Peter Boesman
0:12 Myiodynastes chrysocephalus (22/12/1996 09:00h, Matamula area, Tachira, Venezuela, 07.42N,72.26W) © Peter Boesman.
0:55 Myiodynastes chrysocephalus (20/2/2006 11:00h, San Isidro lodge, Napo, Ecuador, 00.40S,77.55W) © Peter Boesman
0:15 Myiodynastes chrysocephalus (3/1/1994 08:15h, Santa Marta Lorenzo road, Magdalena, Colombia, 11.00N,73.40W) © Peter Boesman.
0:17 Myiodynastes chrysocephalus (1st January 2010 7h15, P.N. Tatamá, Montezuma trail, near Pueblo Rico, Risaralda, Colombia, 1600m, 5°14'3"N 76°52'1"W). © Peter Boesman.
0:48 Myiodynastes chrysocephalus minor. RNA Arriero Antioqueño, Anori, Antioquia, Colombia, 1700m, 16:00h, 16-06-2011, N6.59°10' W75.7°30', Calls from an adult bird near a begging juvenile. © Andrew Spencer.
0:43 Myiodynastes luteiventris (7/6/2000 07:00h, El Salto area, San Luis Potosi, Mexico, 22.33N,99.20W) © Peter Boesman
0:21 Myiodynastes luteiventris (8/4/2003 08:30h, Palenque ruins, Chiapas, Mexico, 17.22N,92.00W) © Peter Boesman
0:08 Myiodynastes luteiventris (8/4/2003 08:45h, Palenque ruins, Chiapas, Mexico, 17.22N,92.00W) © Peter Boesman
0:26 Myiodynastes maculatus (22/5/1994, Caño Colorado, Monagas, Venezuela, 09.55N,62.55W) © Peter Boesman.
0:47 Myiodynastes maculatus (3rd February 2011 8h30. RNA El Paujil, Santander, Colombia, 310m, 6.259° N, 74.1541° W). (Background: Little Tinamou). © Peter Boesman.
0:25 Myiodynastes maculatus (7/8/2003, Dry forest W of El Palmar, Bolivar, Venezuela, 07.58N,62.13W) © Peter Boesman
0:20 Myiodynastes maculatus (27/5/1995 10:00h, Guataparo area, Carabobo, Venezuela, 10.13N,68.05W) © Peter Boesman.
0:25 Myiodynastes maculatus (11/6/1995 09:00h, Palmichal area, Carabobo, Venezuela, 10.21N,68.12W) © Peter Boesman.
0:24 Myiodynastes maculatus (9/8/2002 09:00h, Cerro de Paja, Carabobo, Venezuela, 10.18N,68.15W) © Peter Boesman.
0:09 Myiodynastes maculatus (19/7/1997 09:00h, Turgua area, Aragua, Venezuela, 10.25N,66.48W) © Peter Boesman
0:18 Megarynchus pitangua pitangua. (Awala-Yalimapo, French Guiana, 4m, 13-06-2008, N5.44°0' W53.54°0'). © Alexandre Renaudier.
0:18 Megarynchus pitangua (4/2/2004 07:45h, Boa Nova dry area, Bahia, Brazil, 14.30S,40.15W) © Peter Boesman.
0:19 Megarynchus pitangua (22/1/1995 08:00h, Caripe area, Monagas, Venezuela, 10.10N,63.31W) © Peter Boesman
0:59 Megarynchus pitangua (16/8/2007 07:00h, Nirgua area, San Felipe, Venezuela, 10.15N,68.30W) © Peter Boesman.
0:22 Megarynchus pitangua (31/7/2003 17:00h, Sabana de Piedra - Santa Maria road, Monagas, Venezuela, 10.15N,63.35W) © Peter Boesman.
0:59 Megarynchus pitangua (16/8/2007 07:00h, Nirgua area, San Felipe, Venezuela, 10.15N,68.30W) © Peter Boesman
0:54 Tyrannopsis sulphurea. (Awala-Yalimapo, Coswine, French Guiana, 9m, 15-01-2010). © Alexandre Renaudier.
0:18 Tyrannopsis sulphurea (La Selva lodge, Napo, Ecuador, 00.30S,76.30W) © John Moore
0:37 Tyrannopsis sulphurea. (Awala-Yalimapo, French Guiana, 4m, 05-12-08, N5.44°0' W53.54°0'). © Alexandre Renaudier.
0:12 Empidonomus varius (22/12/1994 06:15h, Comarapa, Santa Cruz, Bolivia, 17.50S,64.30W) © Peter Boesman
0:22 Empidonomus varius. (Serra de Baturité, Ceará, Brazil, 1050m, 14:45h, 06-01-2006, S4.14°0' W38.55°0'). (Background: Pale-breasted Thrush, Large Elaenia). © Nick Athanas.
0:31 Gniseotyrannus aurantioatrocristatus (11/12/2006 14:45h, Salta, Argentina,) © Nick Athanas
0:54 Tyrannus niveigularis. Milpe, Pichincha, Ecuador, 1200m, 11:40h, 08-09-2010, N0.143° W78.5146", song and calls © Andrew Spencer.
0:21 Tyrannus niveigularis. Milpe, Pichincha, Ecuador, 1200m, 11:40h, 08-09-2010, N0.143° W78.5146", calls, high pitched calls given in flight, and lower pitched calls while perched © Andrew Spencer.
0:33 Tyrannus melancholicus (6/11/1994, Caño Colorado, Monagas, Venezuela, 09.55N,62.55W) © Peter Boesman
0:21 Tyrannus melancholicus (25/7/2002 17:00h, Soldier's Monument area, Bolivar, Venezuela, 05.54N,61.26W) © Peter Boesman.
0:38 Tyrannus melancholicus (3/1/2008 18:15h, Morro de Calzada, San Martin, Peru, 06.00S,77.05W) © Peter Boesman
0:32 Tyrannus melancholicus (3rd February 2011 11h00. RNA El Paujil, Santander, Colombia, 310m, 6.259° N, 74.1541° W). © Peter Boesman.
0:22 Tyrannus melancholicus (28/3/1997 18:00h, Camtutura area, Amazonas, Venezuela, 05.20N,67.42W) © Peter Boesman.
0:33 Tyrannus melancholicus (17/11/1996 07:00h, Morrocoy NP, Falcon, Venezuela, 10.51N,68.18W) © Peter Boesman.
0:07 Tyrannus melancholicus (28/7/2005 07:00h, Transpantaneira, Mato Grosso, Brazil, 17.00S,57.00W) © Peter Boesman.
0:43 Tyrannus melancholicus (3rd February 2011 9h00. RNA El Paujil, Santander, Colombia, 310m, 6.259° N, 74.1541° W). © Peter Boesman.
0:07 Tyrannus melancholicus (3rd January 2010 8h00. Bosque Bremen, Quindio, Colombia, 4°40'26"N 75°37'5"W). © Peter Boesman.
0:08 Tyrannus savana (28/3/1997 16:00h, Camtutura area, Amazonas, Venezuela, 05.20N,67.42W) © Peter Boesman
0:12 Tyrannus tyrannus (8/4/1999 07:00h, Anahuac NWR, TX, USA) © Peter Boesman
0:13 Tyrannus tyrannus (8/4/1999 07:00h, Anahuac NWR, TX, USA) © Peter Boesman
0:25 Tyrannus dominicensis (4/8/2006 07:00h, La Ye area, Apure, Venezuela, 07.33N,69.17W) © Nick Athanas.
1:25 Rhytipterna holerythra. (14th March 2010 05h40, La Selva biological station, Heredia, Costa Rica). (Background: Black-throated Trogon, Northern Barred Woodcreeper). © Peter Boesman.
0:08 Rhytipterna holerythra (9/4/2003 09:15h, Bonampak, Chiapas, Mexico, 16.42N,91.05W) © Peter Boesman
0:07 Rhytipterna holerythra. (25th March 2010 16h20, Las Heliconias Lodge, 800m elev., Alajuela, Costa Rica). © Peter Boesman.
0:05 Rhytipterna simplex (24/3/1997 07:30h, Lower Rio Caura area, Bolivar, Venezuela, 07.15N,65.00W) © Peter Boesman
0:08 Rhytipterna simplex (5/3/1994, Caño Colorado, Monagas, Venezuela, 09.55N,62.55W) © Peter Boesman
0:04 Rhytipterna simplex (19th July 2010 07h20, Alpahuayo - Mishana Reserve, Loreto, Peru, 120m, S3.50°0' W73.15°0'). © Peter Boesman.
0:06 Rhytipterna simplex (26/7/2002 07:00h, Lower escalera, Bolivar, Venezuela, 06.00N,61.22W) © Peter Boesman.
0:18 Rhytipterna simplex (24th July 2010 8h30, ACTS Explornapo, Loreto, Peru, 120 m. 3°10' S, 72°55' W). © Peter Boesman.
0:05 Rhytipterna immunda (1/11/1993, Junglaven area, Amazonas, Venezuela, 05.00N,66.23W) © Peter Boesman
0:06 Rhytipterna immunda (24/1/2006, Junglaven area, Amazonas, Venezuela, 05.00N,66.23W) © Mark Van Beirs.
0:25 Rhytipterna immunda (March 2009, Junglaven area, Amazonas, Venezuela, 05.00N,66.23W) © Hans Matheve.
0:15 Sirystes sibilator (Sacha Lodge, Napo, Ecuador, 00.32S,76.23W) © John Moore
0:04 Sirystes sibilator (18/7/2005 16:30h, Chapada dos Guimaraes, Mato Grosso, Brazil, 15.20S,55.50W) © Peter Boesman.
0:23 Myiarchus tuberculifer (25/12/1996 17:00h, La Petrolea area, Tachira, Venezuela, 07.38N,72.21W) © Peter Boesman.
0:17 Myiarchus tuberculifer (26/7/2000 09:00h, Finca Monteverde at Olinda II, Merida, Venezuela, 08.45N,71.28W) © Peter Boesman.
0:12 Myiarchus tuberculifer (13/2/1994, Rio Grande area, Bolivar, Venezuela, 08.03N,61.40W) © Peter Boesman.

2356 1 Swainson's Flycatcher 1 Call 0:49 Myiarchus swainsoni (4/2/2004 08:15h, Boa Nova dry area, Bahia, Brazil, 14.30S,40.15W) © Peter Boesman

2356 2 Swainson's Flycatcher 2 Call 0:37 Myiarchus swainsoni (29/3/2000 09:35h, Rio Aberaima, SW Guaiquinima, Bolivar, Venezuela, 05.47N,63.42W) © Chris Sharpe.

2356 3 Swainson's Flycatcher 3 Call 0:21 Myiarchus swainsoni, (10km east of Sao Joao dos Patos, MA, Brazil, 400m, 17:30h, 11-01-2006, S6.2922° W43.3658°), © Nick Athanas.

2356 4 Swainson's Flycatcher 4 Call 0:12 Myiarchus swainsoni (March 2009, La Escalera, Bolivar, Venezuela) © Hans Matheve.

2356 5 Swainson's Flycatcher 5 Call 0:11 Myiarchus swainsoni (March 2009, La Escalera, Bolivar, Venezuela) © Hans Matheve.

2356 6 Swainson's Flycatcher 6 Excited calls 0:57 Myiarchus swainsoni. Mitu, Vaupes, Colombia, 190m, 12:00h, 08-06-2011, N1.14'45" W70.13'44", Calls from a pair of birds in response to playback. © Andrew Spencer.

2357 1 Venezuelan Flycatcher 1 Call 0:49 Myiarchus venezuelensis (14/11/2000 13:40h, Cumboto area, Aragua, Venezuela, 10.24N,67.48W) © Chris Sharpe

2357 2 Venezuelan Flycatcher 2 Call 0:13 Myiarchus venezuelensis (30/12/1997 09:00h, Canoabo area, Carabobo, Venezuela, 10.20N,68.18W) © Peter Boesman.

2357 3 Venezuelan Flycatcher 3 Call 0:26 Myiarchus venezuelensis (7/8/2006 07:30h, Morrocoy NP, Falcon, Venezuela, 10.51N,68.18W) © Nick Athanas.

2358 1 Panama Flycatcher 1 Song 0:05 Myiarchus panamensis (3rd February 2011 11h00. RNA El Paujil, Santander, Colombia, 310m, 6.2'59" N, 74.15'41" W). © Peter Boesman.

2358 2 Panama Flycatcher 2 Call 0:09 Myiarchus panamensis (3rd February 2011 11h00. RNA El Paujil, Santander, Colombia, 310m, 6.2'59" N, 74.15'41" W). Two birds. © Peter Boesman.

2358 3 Panama Flycatcher 3 Interacting calls 2:55 Myiarchus panamensis (3rd February 2011 11h00. RNA El Paujil, Santander, Colombia, 310m, 6.2'59" N, 74.15'41" W). © Peter Boesman.

2359 1 Short-crested Flycatcher 1 Song 0:43 Myiarchus ferox (2/8/2004 17:15h, Serra da Canastra, Minas Gerais, Brazil, 20.15S,46.37W) © Peter Boesman

2359 2 Short-crested Flycatcher 2 Call 1:06 Myiarchus ferox (28/7/2004 11:15h, Carmo road, Rio de Janeiro, Brazil, 21.52S,42.35W) © Peter Boesman

2359 3 Short-crested Flycatcher 3 Call 0:14 Myiarchus ferox (30/12/1997 09:00h, Rio Grande area, Bolivar, Venezuela, 08.03N,61.40W) © Peter Boesman.

2359 4 Short-crested Flycatcher 4 Call 0:58 Myiarchus ferox (19th July 2010 17h00, Allpahuayo - Mishana Reserve, Loreto, Peru, 120m, S3.50°0' W73.15°0'). (Background: White-eyed Parakeet). © Peter Boesman.

2360 1 Apical Flycatcher 1 Call 0:24 Myiarchus apicalis (5th February 2011 12h00. Bolombolo, Antioquia, Colombia 6°0' N, 75° 49' W). © Peter Boesman.

2360 2 Apical Flycatcher 2 Call 0:06 Myiarchus apicalis (5th January 2010 9h15. Mana Dulce, Tolima, Colombia, 4° 21' 04"N 74° 39' 06"W). (Background: Rufous-tailed Jacamar, Scrub Greenlet). © Peter Boesman.

2360 3 Apical Flycatcher 3 Calls 0:36 Myiarchus apicalis (5th February 2011 12h00. Bolombolo, Antioquia, Colombia 6°0' N, 75° 49' W). © Peter Boesman.

2362 1 Pale-edged Flycatcher 1 Song 0:40 Myiarchus cephalotes (14/1/2001 06:50h, Camino de los Españoles, Distrito F, Venezuela, 10.32N,66.56W) © Chris Sharpe

2362 2 Pale-edged Flycatcher 2 Song 0:40 Myiarchus cephalotes cephalotes. RNA Arriero Antioqueño, Anori, Antioquia, Colombia, 1700m, 09:00h, 17-06-2011, N6.59'10" W75.7'30", song, natural vocalization © Andrew Spencer.

2362 3 Pale-edged Flycatcher 3 Call 0:21 Myiarchus cephalotes (28/12/1997 10:00h, Diniara National Park, Lara, Venezuela, 09.42N,70.03W) © Peter Boesman

2362 4 Pale-edged Flycatcher 4 Call 0:05 Myiarchus cephalotes (7/8/2002 14:30h, Cerro El Platillon, Guarico, Venezuela, 09.52N,67.30W) © Peter Boesman.

2362 5 Pale-edged Flycatcher 5 Call 0:10 Myiarchus cephalotes (28/12/1997 10:00h, Diniara National Park, Lara, Venezuela, 09.42N,70.03W) © Peter Boesman

2362 6 Pale-edged Flycatcher 6 Call 0:44 Myiarchus cephalotes cephalotes. RNA Arriero Antioqueño, Anori, Antioquia, Colombia, 1700m, 09:00h, 17-06-2011, N6.59'10" W75.7'30", call, natural vocalization © Andrew Spencer.

2363 1 Great Crested Flycatcher 1 Song 0:24 Myiarchus crinitus (25/4/1999 19:00h, Fort Smith, AR, Arkansas, USA,) © Peter Boesman

2363 2 Great Crested Flycatcher 2 Song 0:16 Myiarchus crinitus (25/4/1999 07:00h, Devil Den's SP, AR, , USA,) © Peter Boesman.

2363 3 Great Crested Flycatcher 3 Call 0:12 Myiarchus crinitus (10/4/2003 11:00h, Bonampak, Chiapas, Mexico, 16.42N,91.05W) © Peter Boesman.

2363 4 Great Crested Flycatcher 4 Call 0:32 Myiarchus crinitus (3rd February 2011 7h15. RNA El Paujil, Santander, Colombia, 310m, 6.2'59" N, 74.15'41" W). (Background: White-tipped Dove, Black-striped Sparrow). © Peter Boesman.

2364 1 Brown-crested Flycatcher 1 Dawn song 0:23 Myiarchus tyrannulus. (Awala-Yalimapo, French Guiana, 4m, 13-06-2008, N5.44°0' W53.54°0'). Dawn song, natural recording. (Background: Mouse-colored Tyrannulet). © Alexandre Renaudier.

2364 2 Brown-crested Flycatcher 2 Dawn song 0:24 Myiarchus tyrannulus (6/7/1997 06:00h, Foothills of Serranía de San Luis, Falcon, Venezuela, 11.19N,69.36W) © Peter Boesman

2364 3 Brown-crested Flycatcher 3 Call 0:27 Myiarchus tyrannulus (23/12/1997 08:00h, Canoabo area, Carabobo, Venezuela, 10.20N,68.18W) © Peter Boesman.

2364 4 Brown-crested Flycatcher 4 Call 0:27 Myiarchus tyrannulus (28/7/2005 11:00h, Transpantaneira, Mato Grosso, Brazil, 17.00S,57.00W) © Peter Boesman.

2364 5 Brown-crested Flycatcher 5 Call 0:19 Myiarchus tyrannulus (27/7/2003 06:00h, Morrocoy NP, Falcon, Venezuela, 10.51N,68.18W) © Peter Boesman.

2364 6 Brown-crested Flycatcher 6 Call 0:19 Myiarchus tyrannulus (6/8/2003 17:00h, Villa Lola area, Bolivar, Venezuela, 07.55N,62.00W) © Peter Boesman.

2364 7 Brown-crested Flycatcher 7 Excited calls 0:18 Myiarchus tyrannulus (16/3/1997 08:00h, Canoabo area, Carabobo, Venezuela, 10.20N,68.18W) © Peter Boesman.

2364 8 Brown-crested Flycatcher 8 Excited calls 0:16 Myiarchus tyrannulus (10/2/1997 08:00h, Morrocoy NP, Falcon, Venezuela, 10.51N,68.18W) © Peter Boesman.

2366 1 Large-headed Flatbill 1 Song 0:08 Ramphotrigon megacephala (29/6/1995 16:15h, Manu Amazonia Lodge, Cuzco, Peru, 12.00S,71.00W) © Peter Boesman

2366 2 Large-headed Flatbill 2 Song 0:39 Ramphotrigon megacephala (22/7/2005 07:30h, Rio Cristalino Jungle Lodge, Mato Grosso, Brazil, 09.27S,55.54W) © Peter Boesman

2366 3 Large-headed Flatbill 3 Song 0:41 Ramphotrigon megacephala (22/7/2005, Rio Cristalino Jungle Lodge, Mato Grosso, Brazil, 09.27S,55.54W) © Peter Boesman

2366 4 Large-headed Flatbill 4 Call 0:28 Ramphotrigon megacephala (27/6/1995 10:00h, Manu Andean Slope, Cuzco, Peru, 12.30S,71.30W) © Peter Boesman

2367 1 Rufous-tailed Flatbill 1 Song 0:30 Ramphotrigon ruficauda (1/11/1993 , Junglaven area, Amazonas, Venezuela, 05.00N,66.23W) © Peter Boesman

2367 2 Rufous-tailed Flatbill 2 Song 0:56 Ramphotrigon ruficauda (24/7/2006 08:00h, Tabajos tracks, Sao Gabriel da Cachoeira, Amazonas, Brazil, 00.10S,67.00W) © Peter Boesman

2368 1 Dusky-tailed Flatbill 1 Song 1:19 Ramphotrigon fuscicauda (25/7/2005 07:30h, Rio Cristalino Jungle Lodge, Mato Grosso, Brazil, 09.27S,55.54W) © Peter Boesman

2368 2 Dusky-tailed Flatbill 2 Song 0:52 Ramphotrigon fuscicauda (27/7/2009 07:30h, Pantiacolla Lodge, Madre de Dios, Peru, 12.39S,71.14W) © Peter Boesman

2368 3 Dusky-tailed Flatbill 3 Call 0:39 Ramphotrigon fuscicauda (25/7/2005 08:00h, Rio Cristalino Jungle Lodge, Mato Grosso, Brazil, 09.27S,55.54W) © Peter Boesman

2368 4 Dusky-tailed Flatbill 4 Call 1:02 Ramphotrigon fuscicauda (27/7/2009 07:30h, Pantiacolla Lodge, Madre de Dios, Peru, 12.39S,71.14W) © Peter Boesman

2370 1 Cinnamon Attila 1 Song 0:53 Attila cinnamomeus (29/7/2003 06:30h, Finca Vuelta Larga, Sucre, Venezuela, 10.30N,63.00W) © Peter Boesman

2370 2 Cinnamon Attila 2 Song 0:20 Attila cinnamomeus (10/1/2005, Carajás, Rio Parauapebas trail, Pará, Brazil, 06.05S,50.00W) © Peter Boesman

2370 3 Cinnamon Attila 3 Song 0:49 Attila cinnamomeus (17/4/1994 , Rio Grande area, Bolivar, Venezuela, 08.03N,61.40W) © Peter Boesman.

2370 4 Cinnamon Attila 4 Call 0:39 Attila cinnamomeus (29/7/2003 06:15h, Finca Vuelta Larga, Sucre, Venezuela, 10.30N,63.00W) © Peter Boesman

2370 5 Cinnamon Attila 5 Call 0:37 Attila cinnamomeus (31/7/2003 07:00h, Caño Ajies - Isla Turuepano, Sucre, Venezuela, 10.30N,62.55W) © Peter Boesman.

2370 6 Cinnamon Attila 6 Call 0:09 Attila cinnamomeus (19/6/1994 , Caño Colorado, Monagas, Venezuela, 09.55N,62.55W) © Peter Boesman.

2370 7 Cinnamon Attila 7 Interaction call 0:08 Attila cinnamomeus (3/8/2003 06:30h, Tucupita area, Delta Amac, Venezuela, 09.08N,62.04W) © Peter Boesman.

2371 1 Ochraceous Attila 1 Song 1:52 Attila torridus. Buenaventura Reserve, El Oro, Ecuador, 1200m, 16:00h, 2012-01-20, S3.39°0' W79.46°0', song, natural vocalization; song from a bird near the top of a tall tree in a pasture. © Andrew Spencer.

2371 2 Ochraceous Attila 2 Call and song 1:35 Attila torridus. Buenaventura Reserve, El Oro, Ecuador, 1200m, 16:00h, 2012-01-20, S3.39°0' W79.46°0', call and song, natural vocalization; song from a bird near the top of a tall tree in a pasture. © Andrew Spencer.

2371 3 Ochraceous Attila 3 Call 0:19 Attila torridus. Buenaventura Reserve, El Oro, Ecuador, 500m, 16:45h, 30-12-2007, S3.39°0' W79.46°0', Andrew Spencer.

2372 1 Citron-bellied Attila 1 Song 1:58 Attila citriniventris. Mitu, Vaupes, Colombia, 190m, 06:30h, 12-06-2011, N1.14'45" W70.13'44", song, natural vocalization © Andrew Spencer.

2372 2 Citron-bellied Attila 2 Song 1:24 Attila citriniventris (19th July 2010 08h50, Allpahuayo - Mishana Reserve, Loreto, Peru, 120m, S3.50°0' W73.15°0'). (Background: Screaming Pihá). © Peter Boesman.

2372 3 Citron-bellied Attila 3 Call 0:53 Attila citriniventris (19th July 2010 08h50, Allpahuayo - Mishana Reserve, Loreto, Peru, 120m, S3.50°0' W73.15°0'). (Background: Screaming Pihá). © Peter Boesman.

2372 4 Citron-bellied Attila 4 Call 0:38 Attila citriniventris (22/4/1985 , San Carlos de Rio Negro, Amazonas, Venezuela, 01.55N,67.02W) © Chris Parrish.

2372 5 Citron-bellied Attila 5 Call () 0:05 Attila citriniventris (1/11/1993 , Junglaven area, Amazonas, Venezuela, 05.00N,66.23W) © Peter Boesman.

2373 1 Dull-capped Attila 1 Song 0:45 Attila bolivianus (2nd August 2010 7h30, Rio Yanayacu area near Muyuna lodge, Loreto, Peru, 4°18' S, 73°17' W). © Peter Boesman.

2373 2 Dull-capped Attila 2 Song variant 0:10 Attila bolivianus (29/7/2005 08:45h, Pantanal, Porto Jofre area, Mato Grosso, Brazil, 17.25S,56.45W) © Peter Boesman

2373 3 Dull-capped Attila 3 Song variant 2:02 Attila bolivianus (29/7/2005, Pantanal, Porto Jofre area, Mato Grosso, Brazil,) © Peter Boesman

2373 4 Dull-capped Attila 4 Call 1:02 Attila bolivianus (29/7/2005 08:45h, Pantanal, Porto Jofre area, Mato Grosso, Brazil, 17.25S,56.45W) © Peter Boesman

2373 5 Dull-capped Attila 5 Call 0:54 Attila bolivianus (25/7/2009 07:30h, Cocha Camungo, Madre de Dios, Peru, 12.25S,70.40W) © Peter Boesman

2375 1 Bright-rumped Attila 1 Song 0:13 Attila spadiceus (19/3/1993 , Rancho Grande area, Aragua, Venezuela, 10.21N,67.42W) © Peter Boesman

2375 2 Bright-rumped Attila 2 Subsong 0:17 Attila spadiceus (31/3/1994 , Caño Colorado, Monagas, Venezuela, 09.55N,62.55W) © Peter Boesman.

2375 3 Bright-rumped Attila 3 Call 0:07 Attila spadiceus (14/4/2003 09:00h, Raudales road, Chiapas, Mexico, 16.55N,93.48W) © Peter Boesman

2376 1 Sharpbill 1 Song () 0:17 Oxyruncus cristatus (5/2/2004, Boa Nova humid area, Bahia, Brazil, 14.30S,40.05W) © Peter Boesman

2376 2 Sharpbill 2 Song 0:05 Oxyruncus cristatus (15/4/1995 08:00h, Darien Cana , Panama, 07.50N,77.40W) © Peter Boesman.

2379 1 Green-and-black Fruiteater 1 Song 0:25 Pipreola riefferii riefferii. R.N. Rio Blanco, Caldas, Colombia, 2600m, 11:00h, 20-07-2008, N5.50° W75.300", song © Andrew Spencer.

2379 2 Green-and-black Fruiteater 2 Song 0:06 Pipreola riefferii (31/7/2000 10:00h, El Morro - Aricagua road, Merida, Venezuela, 08.17N,71.09W) © Peter Boesman

2379 3 Green-and-black Fruiteater 3 Song 0:05 Pipreola riefferii (19/4/1997 07:30h, Pico Humboldt trail, Merida, Venezuela, 08.36N,71.05W) © Peter Boesman.

2379 4 Green-and-black Fruiteater 4 Song 0:04 Pipreola riefferii (1/3/1997 09:00h, Colonia Tovar area, Aragua, Venezuela, 10.24N,67.20W) © Peter Boesman.

2379 5 Green-and-black Fruiteater 5 Song 0:05 Pipreola riefferii (29/12/1997 07:00h, Guaramacal NP, Trujillo, Venezuela, 09.10N,70.11W) © Peter Boesman.

2379 6 Green-and-Black Fruiteater 6 Song 0:06 Pipreola riefferii (30th December 2009 11h15. R.N. Rio Blanco, Caldas, Colombia, 2600m, 5°5' N 75°30'W). © Peter Boesman.

2379 7 Green-and-black Fruiteater 7 Call 0:04 Pipreola riefferii (23/7/2000 10:00h, Dinira National Park, Lara, Venezuela, 09.42N,70.03W) © Peter Boesman.

2381 1 Barred Fruiteater 1 Song 1:49 Pipreola arcuata (30/7/2008 12:30h, Carpish Tunnel, Huánuco, Peru, 09.40S,76.05W) © Peter Boesman

2381 2 Barred Fruiteater 2 High call 0:29 Pipreola arcuata (19/12/1996 06:00h, Páramo del Zumbador, Tachira, Venezuela, 08.00N,72.00W) © Peter Boesman

2381 3 Barred Fruiteater 3 High call 0:27 Pipreola arcuata (6/8/2008 14:15h, Apaya-Andamarca road, Junín, Peru, 11.40S,74.50W) © Peter Boesman

2381 4 Barred Fruiteater 4 Low call 0:02 Pipreola arcuata (31/7/2008 08:00h, Carpish Tunnel, Huánuco, Peru, 09.40S,76.05W) © Peter Boesman

2381 5 Barred Fruiteater 5 High and low call 0:35 Pipreola arcuata (31/7/2008 08:00h, Carpish Tunnel, Huánuco, Peru, 09.40S,76.05W) © Peter Boesman

2382 1 Golden-breasted Fruiteater 1 Song 0:05 Pipreola aureopectus (29/6/1996 08:30h, Macarao NP, SW entrance, Miranda, Venezuela, 10.22N,67.05W) © Peter Boesman.

2382 2 Golden-breasted Fruiteater 2 Song 0:07 Pipreola aureopectus (8/3/1997 06:00h, Yacambu NP, Lara, Venezuela, 09.43N,69.35W) © Peter Boesman.

2382 3 Golden-breasted Fruiteater 3 Song 0:07 Pipreola aureopectus (February 2009, Yacambu NP, Lara, Venezuela, 09.43N,69.35W) © Hans Matheve.

2382 4 Golden-breasted Fruiteater 4 Call 0:33 Pipreola aureopectus decora. RNA El Dorado, Sierra de Santa Marta, Magdalena, Colombia, 2200m, 13:06h, 09-02-2007, N11.6'28" W74.2'55", call, also: Black-capped Tanager © Nick Athanas.

2382 5 Golden-breasted Fruiteater 5 Call 2:51 Pipreola aureopectus aureopectus. Reserva La Forzosa (Vereda Roble arriba), Anorí, Antioquia, Colombia, 1800m, 07:00h, 05-06-2000, Song, response to playback © Bernabe Lopez-Lanus.

2383 1 Orange-breasted Fruiteater 1 Song 0:20 Pipreola jucunda. Reserva Natural Cerro El Ingles, Choco, Colombia, 1800m, 10:00h, 30-07-2008, Song and calls, a medium-length song © Andrew Spencer.

2383 2 Orange-breasted Fruiteater 2 Song 0:12 Pipreola jucunda (8th February 2011 16h00. RNA Las Tangaras near Carmen del Atrato, Antioquia, Colombia). © Peter Boesman.

2383 3 Orange-breasted Fruiteater 3 Call 0:14 Pipreola jucunda. RNA Las Tangaras, Choco, Colombia, 1800m, 11:30h, 24-06-2011, N5.43'44" W76.14'38", Calls from a male bird near a female on a nest. © Andrew Spencer.

2383 4 Orange-breasted Fruiteater 4 Call () 0:24 Pipreola jucunda (31st December 2009 9h00. P.N. Tatamá, Montezuma trail, near Pueblo Rico, Risaralda, Colombia, 1600m, 5°14'3"N 76° 5'21"W). (Background: Nariño Tapaculo). Heavily filtered. © Peter Boesman.

2383 5 Orange-breasted Fruiteater 5 Call 0:14 Pipreola jucunda. Reserva Natural Cerro El Ingles, Choco, Colombia, 1800m, 10:00h, 30-07-2008, Very quiet calls given by the female; this cut heavily amplified and recorded in light rain © Andrew Spencer.

2384 1 Black-chested Fruiteater 1 Call 0:14 Pipreola lubomirskii. Guacamayos Ridge, Napo, Ecuador, 1700m, 10:00h, 06-12-2002, S0.37'25" W77.50'25", Three single call notes.. also: Golden-faced Tyrannulet © Nick Athanas.

2384 2 Black-chested Fruiteater 2 Call 0:17 Pipreola lubomirskii. Santa Cecilia track, above Paquisha, Zamora-Chinchipec, Ecuador, 1700m, 13:45h, 08-08-2011, S3.55'15" W78.36'18", Calls from a male bird in a fruiting tree. © Andrew Spencer.

2387 1 Fiery-throated Fruiteater 1 Call 2:58 Pipreola chlorolepidota. Quebrada Mishquiayacu, Moyobamba, San Martín, Peru, 1050m, 11:40h, 20-12-2009, S6.4'45" W76.58'34", call, From a male at close range. © Andrew Spencer.

2390 1 Scaled Fruiteater 1 Song 0:32 Ampelioides tschudii. (04-03-2007 06:39h, Tandyayapa Bird Lodge, Tandyayapa Valley, Pichincha, Ecuador, 1820m, N0.0'36" W78.40'39"). © Nick Athanas.

2390 2 Scaled Fruiteater 2 Song 0:56 Ampelioides tschudii (1/8/2005, Mindo area, Pichincha, Ecuador, 00.03N,78.45W) © David Van den Schoor

2390 3 Scaled Fruiteater 3 Song 0:55 Ampelioides tschudii. (22-10-1998 7:07h, Serrania Cuchilla, Pílon Lajas Biosphere Reserve, Beni, Bolivia, S15.15° W67.10°1"). At 885 m. © A. Bennett Hennessey.

2397 1 Red-crested Cotinga 1 Song 0:25 Ampelion rubrocristata (19/12/1996 06:00h, Páramo del Zumbador, Tachira, Venezuela, 08.00N,72.00W) © Peter Boesman

2397 2 Red-crested Cotinga 2 Call 0:02 Ampelion rubrocristata (29/7/2008 08:15h, Bosque Unchog, Huánuco, Peru, 09.45S,76.15W) © Peter Boesman

2397 3 Red-crested Cotinga 3 Call 0:04 Ampelion rubrocristatus. Bogota-Quebrada la Vieja, Colombia, 2900m, 07:00h, 12-12-2002, Call, © Doug Knapp.

2398 1 Chestnut-crested Cotinga 1 Song 0:24 Ampelion rufaxilla. RNA Loro Orejiamarillo (above Jardin) (Yellow-eared Parrot Reserve), Colombia, 2500m, 09:00h, 26 Jan 2010, © Frank Lambert.

2398 2 Chestnut-crested Cotinga 2 Call 0:26 Ampelion rufaxilla (5/1/2008 08:30h, Abra Patricia road, San Martín, Peru, 05.50S,77.46W) © Peter Boesman.

2398 3 Chestnut-crested Cotinga 3 Call 0:32 Ampelion rufaxilla (5/1/2008 08:30h, Abra Patricia road, San Martín, Peru, 05.50S,77.46W) © Peter Boesman.

2401 1 Guianan Cock-of-the-rock 1 Call 0:59 Rupicola rupicola (12/10/2000 09:45h, Camturama area, Amazonas, Venezuela, 05.20N,67.42W) © Chris Sharpe.

2401 2 Guianan Cock-of-the-rock 2 Call 0:37 Rupicola rupicola. (Régina, Montagne tortue, French Guiana, 60m, 09-09-2010). (Background: Screaming Piha). © Alexandre Renaudier.

2401 3 Guianan Cock-of-the-rock 3 Call 0:30 Rupicola rupicola (2/8/2002, Lower escalera, Bolívar, Venezuela, 06.00N,61.22W) © Peter Boesman

2402 1 Andean Cock-of-the-rock 1 Display 0:25 Rupicola peruviana (11/4/1992 , San Isidro area, Barinas, Venezuela, 08.52N,70.36W) © Peter Boesman

2402 2 Andean Cock-of-the-rock 2 Display 0:14 Rupicola peruviana (30/7/2009 16:00h, San Pedro area, Cuzco, Peru, 13.08S,71.35W) © Peter Boesman

2402 3 Andean Cock-of-the-rock 3 Call 0:18 Rupicola peruviana (4/8/2008 06:15h, Pozuzo area, Pasco, Peru, 10.10S,75.30W) © Peter Boesman

2402 4 Andean Cock-of-the-rock 4 Call 0:21 Rupicola peruvianus RNA El Paujil, Serrania de las Quinchas,Santander, Colombia, 1700m, 04-05-2007, N5.56° W74.11'0", call, immature male, away from lek © Frank Lambert.

2406 1 Purple-throated Fruitcrow 1 Song 0:59 Querula purpurata (28/7/2009 15:00h, Pantiacolla Lodge, Madre de Dios, Peru, 12.39S,71.14W) © Peter Boesman

2406 2 Purple-throated Fruitcrow 2 Song 0:12 Querula purpurata (23/7/2002 10:00h, Rio Grande area, Bolívar, Venezuela, 08.03N,61.40W) © Peter Boesman.

2406 3 Purple-throated Fruitcrow 3 Song 0:24 Querula purpurata (25/3/1997 07:30h, Lower Rio Caura area, Bolívar, Venezuela, 07.15N,65.00W) © Peter Boesman

2406 4 Purple-throated Fruitcrow 4 Song 0:39 Querula purpurata (3rd February 2011 10h00. RNA El Paujil, Santander, Colombia, 310m, 6.2'59" N, 74.15'41" W). © Peter Boesman.

2406 5 Purple-throated Fruitcrow 5 Call 0:22 Querula purpurata (30/10/1993 , Lower Rio Caura area, Bolívar, Venezuela, 07.15N,65.00W) © Peter Boesman

2407 1 Red-ruffed Fruitcrow 1 Booming 0:50 Pyroderus scutatus (3rd January 2010 6h40. Bosque Bremen, Quindío, Colombia, 4°40'26"N 75°37'5"W). (Background: Scarlet-fronted Parakeet). © Peter Boesman.

2407 2 Red-ruffed Fruitcrow 2 Booming 1:09 Pyroderus scutatus (3rd January 2010 6h30. Bosque Bremen, Quindío, Colombia, 4°40'26"N 75°37'5"W). © Peter Boesman.

2407 3 Red-ruffed Fruitcrow 3 Call 0:29 Pyroderus scutatus (5/2/2004 17:30h, Boa Nova humid area, Bahia, Brazil, 14.30S,40.05W) © Peter Boesman

2408 1 Amazonian Umbrellabird 1 Song 0:04 Cephalopterus ornatus (3/9/1999 07:40h, La Chonta (Santa Cruz), , Bolivia, 15.45S,62.50W) © Stefan Wollmann

2409 1 Long-wattled Umbrellabird 1 Display 0:57 Cephalopterus penduliger. Buenaventura Reserve, El Oro, Ecuador, 900m, 17:00h, 30-12-2007, S3.390" W79.46'0", Display from a single male; interval slightly shortened. © Andrew Spencer.

2410 1 Capuchinbird 1 Song at lek 0:41 Perissocephalus tricolor (25/7/2002, km 88 area, Bolívar, Venezuela, 06.12N,61.24W) © Peter Boesman

2410 2 Capuchinbird 2 Song at lek 0:30 Perissocephalus tricolor (5/8/1999 , Km 73 area, Bolívar, Venezuela, 06.17N,61.17W) © Peter Boesman.

2410 3 Capuchinbird 3 Song at lek 0:31 Perissocephalus tricolor. (Mont Itoupé, French Guiana, 500m, 09-10-2010). Song at lek. (Background: Red-eyed Vireo). © Alexandre Renaudier.

2410 4 Capuchinbird 4 Song at lek
2412 1 Plum-throated Cotinga 1 Call
2416 1 Chestnut-capped Piha 1 Song
2416 2 Chestnut-capped Piha 2 Song and call
2416 3 Chestnut-capped Piha 3 Calls
2417 1 Dusky Piha 1 Song
2417 2 Dusky Piha 2 Song
2419 1 Rufous Piha 1 call
2419 2 Rufous Piha 2 call
2419 3 Rufous Piha 3 call
2419 4 Rufous Piha 4 call
2419 5 Rufous Piha 5 call
2419 6 Rufous Piha 6 call
2420 1 Screaming Piha 1 Song
2420 2 Screaming Piha 2 Song
2420 3 Screaming Piha 3 Song
2420 4 Screaming Piha 4 Call
2420 5 Screaming Piha 5 Call
2420 6 Screaming Piha 6 Call
2420 7 Screaming Piha 7 Call
2426 1 Bearded Bellbird 1 Song
2426 2 Bearded Bellbird 2 Song
2426 3 Bearded Bellbird 3 Song
2426 4 Bearded Bellbird 4 Song
2428 1 Purple-throated Cotinga 1 Song
2428 2 Purple-throated Cotinga 2 Song
2430 1 Pompadour Cotinga 1 Call
2430 2 Pompadour Cotinga 2 Call
2430 3 Pompadour Cotinga 3 Call
2430 4 Pompadour Cotinga 4 Display
2436 1 Saffron-crested Tyrant-Manakin 1 Song
2436 2 Saffron-crested Tyrant-Manakin 2 Song
2436 3 Saffron-crested Tyrant-Manakin 3 Call
2436 4 Saffron-crested Tyrant-Manakin 4 Call
2436 5 Saffron-crested Tyrant-Manakin 5 Call
2436 6 Saffron-crested Tyrant-Manakin 6 Call series
2440 1 Dwarf Tyrant-Manakin 1 Song and calls
2440 2 Dwarf Tyrant-Manakin 2 Song
2440 3 Dwarf Tyrant-Manakin 3 Song
2440 4 Dwarf Tyrant-Manakin 4 Song
2440 5 Dwarf Tyrant-Manakin 5 Call
2440 6 Dwarf Tyrant-Manakin 6 Call
2443 1 Golden-winged Manakin 1 Call
2443 2 Golden-winged Manakin 2 Call
2444 1 White-ruffed Manakin 1 display call
2444 2 White-ruffed Manakin 2 display call
2444 3 White-ruffed Manakin 3 display call
2444 4 White-ruffed Manakin 4 call
2445 1 White-bibbed Manakin 1 Song
2445 2 White-bibbed Manakin 2 Song
2447 1 Club-winged Manakin 1 Display
2447 2 Club-winged Manakin 2 Display
2448 1 Striped Manakin 1 Call
2448 2 Striped Manakin 2 Call
2448 3 Striped Manakin 3 Call
2448 4 Striped Manakin 4 Call
2450 1 Blue-crowned Manakin 1 Song
2450 2 Blue-crowned Manakin 2 Call
2450 3 Blue-crowned Manakin 3 Call
2456 1 Blue-rumped Manakin 1 Call
2458 1 White-bearded Manakin 1 Display
2458 2 White-bearded Manakin 2 Display
2458 3 White-bearded Manakin 3 Display

0:46 *Perissocephalus tricolor* (March 2009, La Escalera, Bolivar, Venezuela) © Hans Matheve
0:03 *Cotinga maynana*. (23-06-2003 10:00h, Amazonia Lodge, Madre de Dios, Peru. 12°52' S, 71°22' W). At 700 m. (Background: Cinereous Tinamou). Ramiro and Virgilio Yabar.
2:14 *Lipaugus weberi*. RNA Arriero Antioqueño, Anorí, Antioquia, Colombia, 1900m, 10:30h, 17-06-2011, N6.59°10' W75.7°30', song, natural vocalization; very distant bird and somewhat off focus. Andrew Spencer
0:07 *Lipaugus weberi*. Reserva La Serrana, municipio de Anorí, Antioquia, Colombia, amh, 05-06-2000, Songs and call, © Bernabe Lopez-Lanus.
0:26 *Lipaugus weberi*. RNA Arriero Antioqueño, Anorí, Antioquia, Colombia, 1650m, 18-6-2007, N6.59°10' W75.7°30', calls? © Frank Lambert.
0:26 *Lipaugus fuscocinereus*. Hacienda Las Cruces (Area La Ceja), Toche, Municipio Ibague, Tolima, Colombia, 2500m, 15:00h, 20-06-1998, Songs, Lek © Bernabe Lopez-Lanus.
0:17 *Lipaugus fuscocinereus*. Hacienda Las Cruces (Area La Ceja), Toche, Municipio Ibague, Tolima, Colombia, 2800m, amh, 20-06-1998, Songs (lek) and instrumental (wings) flight display, Lek of four individuals © Bernabe Lopez-Lanus.
0:06 *Lipaugus unirufus*. (21st March 2010 07h40, Esquinas lodge, 100m elev., Piedras Blancas NP, Puntarenas, Costa Rica), (Background: Chestnut-mandibled Toucan), © Peter Boesman.
0:05 *Lipaugus unirufus*. (10/1/1993 08:50h, Corcovado NP, Puntarenas, Costa Rica, 08.40N,83.40W) © Gunter De Smet
0:13 *Lipaugus unirufus*. (21st March 2010 09h30, Esquinas lodge, 100m elev., Piedras Blancas NP, Puntarenas, Costa Rica). (Background: Chestnut-backed Antbird, Long-billed Gnatwren). © Peter Boesman.
0:23 *Lipaugus unirufus*. (9/1/1993 07:05h, Corcovado NP, Puntarenas, Costa Rica, 08.40N,83.40W) © Gunter De Smet
0:04 *Lipaugus unirufus*. (20th March 2010 09h50, Esquinas lodge, 100m elev., Piedras Blancas NP, Puntarenas, Costa Rica). © Peter Boesman.
0:21 *Lipaugus unirufus*. (20th March 2010 10h10, Esquinas lodge, 100m elev., Piedras Blancas NP, Puntarenas, Costa Rica). © Peter Boesman.
1:08 *Lipaugus vociferans* (11/1/2005, Carajás, Aguas Claras area, Pará, Brazil, 06.00S,50.30W) © Peter Boesman
1:49 *Lipaugus vociferans* (25/7/2009 12:00h, Cocha Camungo, Madre de Dios, Peru, 12.25S,70.40W) © Peter Boesman
0:32 *Lipaugus vociferans* (March 2009, Guiana trail km 75, Bolivar, Venezuela) © Hans Matheve
0:14 *Lipaugus vociferans* (21/10/1994 08:00h, Km 85 area, Bolivar, Venezuela, 06.12N,61.23W) © Peter Boesman.
0:51 *Lipaugus vociferans* (25th July 2010 8h30, ACTS Explomapo, Loreto, Peru, 120 m. 3°10' S, 72°55' W). © Peter Boesman.
0:28 *Lipaugus vociferans* (31/7/2002 08:30h, El Pauji road, Bolivar, Venezuela, 04.36N,61.30W) © Peter Boesman
0:27 *Lipaugus vociferans*. Mitu, Vaupes, Colombia, 190m, 14:00h, 11-06-2011, N1.14°45' W70.13°44", call, natural vocalization, from a bird in young secondary forest at the edge of a clearing © Andrew Spencer.
0:39 *Procnias averano* (27/7/2002 11:00h, Upper escalera, Bolivar, Venezuela, 05.58N,61.24W) © Peter Boesman.
0:30 *Procnias averano* (27/7/2002 11:00h, Upper escalera, Bolivar, Venezuela, 05.58N,61.24W) © Peter Boesman.
0:33 *Procnias averano* (March 2009, Upper escalera, Bolivar, Venezuela, 05.58N,61.24W) © Hans Matheve..
0:40 *Procnias averano* (30/4/1995 10:15h, Serrania de San Luis, Falcon, Venezuela, 11.12N,69.42W) © Peter Boesman.
0:20 *Porphyrolaema porphyrolaema*. (July 1994. 'Maxus road' km40, Orellana, Ecuador. 275m. 00.40S,76.27W). Song of a male. Niels Krabbe.
0:41 *Porphyrolaema porphyrolaema*. (25th July 2010 10h30, ACTS Explomapo, Loreto, Peru, 120 m. 3°10' S, 72°55' W). © Peter Boesman.
0:26 *Xipholena punicea*. (23-07-2009, Novo Airao, Amazonas, Brazil). Displaying call, after playback, intervals reduced. (Background: Screaming Piha). © Alexandre Renaudier.
0:14 *Xipholena punicea*. (19th July 2010 08h50, Allpahuayo - Mishana Reserve, Loreto, Peru, 120m, S3.50°0' W73.15°0'). (Background: Citron-bellied Attila, Screaming Piha). © Peter Boesman.
0:08 *Xipholena punicea*. (19th July 2010 09h00, Allpahuayo - Mishana Reserve, Loreto, Peru, 120m, S3.50°0' W73.15°0'). (Background: Screaming Piha). © Peter Boesman.
0:26 *Xipholena punicea*. (Novo Airao, Amazonas, Brazil, 23-07-2009). Displaying song, after playback. space between stanzas reduced. (Background: Screaming Piha). © Alexandre Renaudier.
1:05 *Neopelma chrysocephalum* (21st July 2010 9h00, Allpahuayo - Mishana Reserve, Loreto, Peru, 120m, S3.50°0' W73.15°0'). © Peter Boesman.
1:05 *Neopelma chrysocephalum* (21st July 2010 9h00, Allpahuayo - Mishana Reserve, Loreto, Peru, 120m, S3.50°0' W73.15°0'). © Peter Boesman.
1:28 *Neopelma chrysocephalum* (19/7/2006 16:00h, Tabajos tracks, Sao Gabriel da Cachoeira, Amazonas, Brazil, 00.10S,67.00W) © Peter Boesman
0:49 *Neopelma chrysocephalum* (20th July 2010 9h00, Allpahuayo - Mishana Reserve, Loreto, Peru, 120m, S3.50°0' W73.15°0'). (Background: Zimmer's Antbird). © Peter Boesman.
0:35 *Neopelma chrysocephalum* (20th July 2010 9h00, Allpahuayo - Mishana Reserve, Loreto, Peru, 120m, S3.50°0' W73.15°0'). (Background: Zimmer's Antbird). © Peter Boesman.
0:19 *Neopelma chrysocephalum* (20th July 2010 9h00, Allpahuayo - Mishana Reserve, Loreto, Peru, 120m, S3.50°0' W73.15°0'). (Background: Zimmer's Antbird). © Peter Boesman.
0:45 *Tyrannetes stolzmanni* (20/1/2005 14:00h, Carajás, Aguas Claras area, Pará, Brazil, 06.00S,50.30W) © Peter Boesman
0:47 *Tyrannetes stolzmanni* (26/7/2005 09:45h, Rio Cristalino Jungle Lodge, Mato Grosso, Brazil, 09.27S,55.54W) © Peter Boesman
0:29 *Tyrannetes stolzmanni* (6th August 2010 10h00, Rio Javari, Reserva Natural Palmari, Amazonas, Brazil, 50m, 4°17'20" S, 70°17'41" W). © Peter Boesman.
0:11 *Tyrannetes stolzmanni*. Mitu, Vaupes, Colombia, 190m, 09:00h, 13-06-2011, N1.14°45' W70.13°44", call, natural vocalization © Andrew Spencer.
0:24 *Tyrannetes stolzmanni* (20/1/2005 14:00h, Carajás, Aguas Claras area, Pará, Brazil, 06.00S,50.30W) © Peter Boesman.
0:20 *Tyrannetes stolzmanni* (21/1/2005 11:00h, Carajás, Aguas Claras area, Pará, Brazil, 06.00S,50.30W) © Peter Boesman.
0:14 *Masius chrysopterus* (18/2/1999 08:45h, San Isidro area, Barinas, Venezuela, 08.52N,70.36W) © Chris Sharpe
0:06 *Masius chrysopterus bellus*. RNA Arriero Antioqueño, Anorí, Antioquia, Colombia, 1500m, 17:00h, 16-06-2011, N6.59°10' W75.7°30', A single call from an adult male bird foraging at a fruiting tree. © Andrew Spencer.
0:51 *Corapipo altera*. (25th March 2010 14h00, Las Heliconias Lodge, 800m elev., Alajuela, Costa Rica). © Peter Boesman.
0:20 *Corapipo altera*. (25th March 2010 14h00, Las Heliconias Lodge, 800m elev., Alajuela, Costa Rica). © Peter Boesman.
0:31 *Corapipo altera* (15/4/1995 , Cana, Darien, Panama, 07.50N,77.40W) © Peter Boesman
0:57 *Corapipo altera*. (25th March 2010 14h10, Las Heliconias Lodge, 800m elev., Alajuela, Costa Rica). © Peter Boesman.
1:11 *Corapipo leucorhoa*. Bellavista Reserve, Victoria, Caldas, Colombia, 950m, 10:00h, 29-06-2011, Lekking sounds from two adult males with a female nearby. © Andrew Spencer.
1:08 *Corapipo leucorhoa*. Bellavista Reserve, Victoria, Caldas, Colombia, 950m, 08:30h, 29-06-2011, Lekking sounds from a female plumaged (young male?) bird. © Andrew Spencer.
0:57 *Machaeoeropus deliciosus*. Road to San Jose del Palmar, Serrania de las Paraguas, Choco, Colombia, 1620m, 09:30h, 31-07-2008, lekking © Andrew Spencer.
0:50 *Machaeoeropus deliciosus* (25/2/2006 16:00h, Milpe reserve, Pichincha, Ecuador, 00.00N,78.45W) © Peter Boesman.
0:29 *Machaeoeropus regulus* (3/5/2000 , Altamira area, Barinas, Venezuela, 08.52N,70.29W) © Gustavo Rodriguez
0:20 *Machaeoeropus regulus* (11/10/2001 09:00h, Sacha Lodge, Napo, Ecuador, 00.32S,76.23W) © Nick Athanas
0:40 *Machaeoeropus regulus*. Estacion La Pradera (parte alta), Municipio Don Matias, Antioquia, Colombia, 1550m, 10:50h, 19-06-2000, Call © Bernabe Lopez-Lanus.
0:28 *Machaeoeropus regulus* (2nd February 2011 15h30. RNA El Paujil, Santander, Colombia, 310m, 6.259° N, 74.1541° W). © Peter Boesman.
0:21 *Pipra coronata* (25/12/1992 , La Selva CR, Heredia, Costa Rica, 10.20N,84.00W) © Peter Boesman
0:24 *Pipra coronata* (17/2/2006 16:30h, Gareno Lodge, Napo, Ecuador, 01.05S,77.35W) © Peter Boesman
0:21 *Pipra coronata* (22/7/2006 15:00h, Sao Gabriel da Cachoeira area, Amazonas, Brazil, 00.01S,66.30W) © Peter Boesman.
0:28 *Pipra isidorei* (15/2/2006 09:00h, Sumaco road, Napo, Ecuador, 00.45S,77.35W) © Peter Boesman.
0:18 *Manacus manacus* (19/2/2006 14:00h, Archidona area, Napo, Ecuador, 00.55S,77.45W) © Peter Boesman
1:01 *Manacus manacus* (15/2/2006 14:00h, Ministerio road, Napo, Ecuador, 01.00S,77.30W) © Peter Boesman
0:32 *Manacus manacus* (12/8/2004, Itanhaém, Sao Paulo, Brazil, 24.10S,46.50W) © Peter Boesman

2458 4 White-bearded Manakin 4 Call 0:13 *Manacus manacus* (31/7/2002 08:30h, El Pauji road, Bolivar, Venezuela, 04.36N,61.30W) © Peter Boesman

2458 5 White-bearded Manakin 5 Call 0:25 *Manacus manacus* (20/12/1996 16:00h, San Juan de Colon, Tachira, Venezuela, 08.05N,72.16W) © Peter Boesman.

2458 6 White-bearded Manakin 6 Call 0:14 *Manacus manacus* (26/3/1997 07:15h, Lower Rio Caura area, Bolivar, Venezuela, 07.15N,65.00W) © Peter Boesman.

2458 7 White-bearded Manakin 7 Wing snapping 0:33 *Manacus manacus* (27th December 2009 16h30. La Victoria, Cundinamarca, Colombia, 5°19'55" N 74°55'12"W). © Peter Boesman.

2458 8 White-bearded Manakin 8 Wing snapping and calls 0:51 *Manacus manacus* (2nd February 2011 15h30. RNA El Paujil, Santander, Colombia, 310m, 6.2°59' N, 74.15°41' W). (Background: Chestnut-backed Antbird). © Peter Boesman.

2461 1 Lance-tailed Manakin 1 Song 0:10 *Chiroxiphia lanceolata* (19/3/1993, Cumboto area, Aragua, Venezuela, 10.24N,67.48W) © Peter Boesman

2461 2 Lance-tailed Manakin 2 Song 0:22 *Chiroxiphia lanceolata* (19/11/1997 09:00h, Quebrada Seca, Carabobo, Venezuela, 10.20N,68.16W) © Peter Boesman.

2461 3 Lance-tailed Manakin 3 Song 0:31 *Chiroxiphia lanceolata* (February 2009, Morrocoy NP, Falcon, Venezuela) © Hans Matheve.

2461 4 Lance-tailed Manakin 4 Song 0:30 *Chiroxiphia lanceolata* (5th January 2010 9h30. Mana Dulce, Tolima, Colombia, 4° 21' 04"N 74° 39' 06"W). (Background: Rufous-tailed Jacamar, Scrub Greenlet). © Peter Boesman.

2461 5 Lance-tailed Manakin 5 Song 0:49 *Chiroxiphia lanceolata* (February 2009, Morrocoy NP, Falcon, Venezuela) © Hans Matheve.

2462 1 Blue-backed Manakin 1 Song 0:52 *Chiroxiphia pareola* (23rd July 2010 11h00, ACTS Explornapo, Loreto, Peru, 120 m. 3°10' S, 72°55' W). © Peter Boesman.

2462 2 Blue-backed Manakin 2 Song 1:35 *Chiroxiphia pareola* (18/1/2005 10:00h, Carajás, Aguas Claras area, Pará, Brazil, 06.00S,50.30W) © Peter Boesman

2462 3 Blue-backed Manakin 3 Song 0:55 *Chiroxiphia pareola* (5/8/2003 07:00h, Dry forest W of El Palmar, Bolivar, Venezuela, 07.58N,62.13W) © Peter Boesman

2462 4 Blue-backed Manakin 4 Song 0:22 *Chiroxiphia pareola* (21/7/2005 11:00h, Rio Cristalino Jungle Lodge, Mato Grosso, Brazil, 09.27S,55.54W) © Peter Boesman

2462 5 Blue-backed Manakin 5 Song 0:16 *Chiroxiphia pareola* (5/8/2003 07:00h, Dry forest W of El Palmar, Bolivar, Venezuela, 07.58N,62.13W) © Peter Boesman

2462 6 Blue-backed Manakin 6 Call 0:12 *Chiroxiphia pareola* (5/8/2003 07:00h, Dry forest W of El Palmar, Bolivar, Venezuela, 07.58N,62.13W) © Peter Boesman

2469 1 Black Manakin 1 Call 0:46 *Xenopipo atronitens*. (Mitu, Vaupes, Colombia, 190m, 08:10h, 09-06-2011, N1.14°45' W70.13°44"). Call, in response to playback, song from a female bird. © Andrew Spencer.

2469 2 Black Manakin 2 Call 0:10 *Xenopipo atronitens*. (Mitu, Vaupes, Colombia, 190m, 09:50h, 12-06-2011, N1.14°45' W70.13°44"). Calls from a male bird. © Andrew Spencer.

2471 1 Yellow-crowned Manakin 1 Song and call 2:35 *Heterocercus flavivertex*. Mitu, Vaupes, Colombia, 190m, 15:30h, 10-06-2011, N1.14°45' W70.13°44", song and call, in response to playback, from a male bird perched high in a tree at the edge of a clearing in white sand forest. © Andrew Spencer.

2471 2 Yellow-crowned Manakin 2 Song 0:05 *Heterocercus flavivertex* (1/11/1993, Junglaven area, Amazonas, Venezuela, 05.00N,66.23W) © Peter Boesman

2471 3 Yellow-crowned Manakin 3 Call 1:32 *Heterocercus flavivertex* (19/7/2006 15:00h, Tabajos tracks, Sao Gabriel da Cachoeira, Amazonas, Brazil, 00.10S,67.00W) © Peter Boesman.

2471 4 Yellow-crowned Manakin 4 Call 0:06 *Heterocercus flavivertex*. (Mitu, Vaupes, Colombia, 190m, 15:30h, 10-06-2011, N1.14°45' W70.13°44"). In response to playback, from a male bird perched high in a tree at the edge of a clearing in white sand forest. © Andrew Spencer.

2473 1 White-crowned Manakin 1 Song S 0:20 *Pipra pipra*. (20th July 2010 6h30, Alpuhuayo - Mishana Reserve, Loreto, Peru, 120m, S3.50°0' W73.15°0'). © Peter Boesman.

2473 2 White-crowned Manakin 3 Song Andes 0:13 *Pipra pipra* (9/3/1997 10:30h, Yacambu NP, Lara, Venezuela, 09.43N,69.35W) © Peter Boesman

2473 3 White-crowned Manakin 3 Song NW 0:06 *Pipra pipra* (16/4/1995, Nusagandi NP, San Blas, Panama, 09.20N,78.50W) © Peter Boesman

2473 4 White-crowned Manakin 4 Call 0:29 *Pipra pipra*. (19th July 2010 09h30, Alpuhuayo - Mishana Reserve, Loreto, Peru, 120m, S3.50°0' W73.15°0'). © Peter Boesman.

2473 5 White-crowned Manakin 5 Call 0:21 *Pipra pipra*. (30-04-2009 11:00h, Sabalillo, Loreto, Peru, 100m, S3.21°57' W72.17°21"). Call of Female after human imitation. (Background: Cinereous Antshrike). © David Geale.

2475 1 Wire-tailed Manakin 1 Song 0:14 *Pipra filicauda* (25/12/1992, La Selva lodge, Napo, Ecuador, 00.30S,76.30W) © Peter Boesman

2475 2 Wire-tailed Manakin 2 Song 0:11 *Pipra filicauda* (26th July 2010 10h00, Explornapo, Loreto, Peru, 120 m. 3°10' S, 72°55' W). © Peter Boesman.

2475 3 Wire-tailed Manakin 3 Call 0:17 *Pipra filicauda* (1/3/1998, Turmero road, Aragua, Venezuela, 10.22N,67.30W) © Gustavo Rodriguez

2478 3 Red-capped Manakin 3 call 0:12 *Pipra mentalis*. (21st March 2010 07h40, Esquinas lodge, 100m elev., Piedras Blancas NP, Puntarenas, Costa Rica). (Background: Short-billed Pigeon, Blue-crowned Motmot). © Peter Boesman.

2478 1 Red-capped Manakin 1 display calls 0:26 *Pipra mentalis*. (20th March 2010 08h10, Esquinas lodge, 100m elev., Piedras Blancas NP, Puntarenas, Costa Rica). © Peter Boesman.

2478 2 Red-capped Manakin 2 display call 0:29 *Pipra mentalis* (10/1/1993 16:00h, Corcovado NP, Puntarenas, Costa Rica, 08.40N,83.40W) © Gunter De Smet

2478 4 Red-capped Manakin 4 call 0:12 *Pipra mentalis*. (20th March 2010 08h10, Esquinas lodge, 100m elev., Piedras Blancas NP, Puntarenas, Costa Rica). © Peter Boesman.

2479 1 Golden-headed Manakin 1 Song 1:20 *Pipra erythrocephala* (16/8/2007 10:00h, Nirgua area, San Felipe, Venezuela, 10.15N,68.30W) © Peter Boesman

2479 2 Golden-headed Manakin 2 Song 0:09 *Pipra erythrocephala* (21/10/1994, Km 85 area, Bolivar, Venezuela, 06.12N,61.23W) © Peter Boesman

2479 3 Golden-headed Manakin 3 Song 0:44 *Pipra erythrocephala* (16/8/2007 10:00h, Nirgua area, San Felipe, Venezuela, 10.15N,68.30W) © Peter Boesman

2479 4 Golden-headed Manakin 4 Call 0:18 *Pipra erythrocephala* (31/7/2002 08:00h, El Pauji road, Bolivar, Venezuela, 04.36N,61.30W) © Peter Boesman

2479 5 Golden-headed Manakin 5 Call 0:23 *Pipra erythrocephala* (11/11/1993, Junglaven area, Amazonas, Venezuela, 05.00N,66.23W) © Peter Boesman

2479 6 Golden-headed Manakin 6 Call 0:15 *Pipra erythrocephala* (28/3/1997 07:30h, Samariapo road, Amazonas, Venezuela, 05.15N,67.48W) © Peter Boesman.

2479 7 Golden-headed Manakin 7 Call 0:40 *Pipra erythrocephala* (3rd February 2011 10h00. RNA El Paujil, Santander, Colombia, 310m, 6.2°59' N, 74.15°41' W). © Peter Boesman.

2482 1 Black-crowned Tityra 1 Call 0:54 *Tityra inquisitor* fraseri. (Las Esquinas Rainforest Lodge, Puntarenas, Costa Rica, 100m, 10:05h, 07-02-2011). Natural vocalization; calls from a pair of birds investigating cavities. © Andrew Spencer.

2482 2 Black-crowned Tityra 2 Call 0:07 *Tityra inquisitor* (28/7/2003 16:15h, Finca Vuelta Larga, Sucre, Venezuela, 10.30N,63.00W) © Peter Boesman.

2483 1 Black-tailed Tityra 1 Song 0:03 *Tityra cayana* (6/11/1994 09:00h, Caño Colorado, Monagas, Venezuela, 09.55N,62.55W) © Peter Boesman

2483 2 Black-tailed Tityra 2 Song 0:15 *Tityra cayana* (25/7/2000 10:00h, Rio Frio road, Merida, Venezuela, 08.52N,71.20W) © Peter Boesman

2483 3 Black-tailed Tityra 3 Song 0:13 *Tityra cayana*. (Novo Airao, Amazonas, Brazil, 23-07-2009), Natural recording. (Background: Yellow-rumped Cacique, Brownish Twistwing, Pale-rumped Swift, Screaming Piha). © Alexandre Renaudier.

2484 1 Masked Tityra 1 Song 0:06 *Tityra semifasciata* (6/4/2003 12:00h, La Jungla, Los Tuxtlas, Vera Cruz, Mexico, 18.24N,95.06W) © Peter Boesman

2484 2 Masked Tityra 2 Song 0:15 *Tityra semifasciata* (14/3/2001 09:30h, Pluma Hidalgo, Oaxaca, Mexico, 16.05N,96.24W) © Peter Boesman.

2485 1 Varzea Schiffornis 1 Song 1:00 *Schiffornis major* (23/7/2009 15:00h, Amazon Manu Lodge, Madre de Dios, Peru, 12.18S,70.48W) © Peter Boesman

2485 3 Varzea Schiffornis 3 Short song 0:45 *Schiffornis major* (10th August 2010 8h00, Rio Javari, Reserva Natural Palmari, Amazonas, Brazil, 50m, 4°17'20" S, 70°17'41" W). © Peter Boesman

2485 4 Varzea Schiffornis 4 Short song 1:34 *Schiffornis major* (28th July 2010 16h50, Cumaceba lodge, Loreto, Peru, 3°38' S, 73°08' W). © Peter Boesman.

2485 5 Varzea Schiffornis 5 Call 0:18 *Schiffornis major* (23/12/1992, La Selva lodge, Napo, Ecuador, 00.30S,76.30W) © Peter Boesman

2486 1 Thrush-like Schiffornis 1 Song NE 0:30 *Schiffornis turdinus* (22/6/1996 07:30h, La Mision Limestone hills, Falcon, Venezuela, 10.51N,68.33W) © Peter Boesman.

2486 1 Thrush-like Schiffornis 1 Song NE 0:06 *Schiffornis turdinus* (21/12/1996 06:00h, San Juan de Colon, Tachira, Venezuela, 08.05N,72.16W) © Peter Boesman.

2486 1 Thrush-like Schiffornis 1 Song NW 0:05 *Schiffornis turdinus* (15/4/1995, Darien Cana, Panama, 07.50N,77.40W) © Peter Boesman.

2486 2 Thrush-like Schiffornis 2 Song W 0:27 *Schiffornis turdinus* (15/12/1992 16:00h, El Placer, Esmeraldas, Ecuador, 00.50N,78.30W) © Peter Boesman.

2486 3 Thrush-like Schiffornis 3 Song Amazon 0:46 *Schiffornis turdinus* (March 2009, Junglaven area, Amazonas, Venezuela, 05.00N,66.23W) © Hans Matheve.

2486 3 Thrush-like Schiffornis B 11595 0:09 *Schiffornis turdinus* (23/7/2006 08:30h, Moises trail, Sao Gabriel da Cachoeira, Amazonas, Brazil, 00.30S,66.30W) © Peter Boesman.

2486 4 Thrush-like Schiffornis 4 Song Amazon 0:54 *Schiffornis turdinus* (11th August 2010 9h30, Rio Javari, Reserva Natural Palmari, Amazonas, Brazil, 50m, 4°17'20" S, 70°17'41" W). © Peter Boesman.

2488 1 Speckled Mourner 1 song 0:12 *Laniocera rufescens* (15/4/1995 09:00h, Cana, Darien, Panama, 07.50N,77.40W) © Peter Boesman

2489 1 Cinereous Mourner 1 Song 0:45 *Laniocera hypopyrra* (13/2/1994, Rio Grande area, Bolivar, Venezuela, 08.03N,61.40W) © Peter Boesman.

2489 2 Cinereous Mourner 2 Song 1:03 *Laniocera hypopyrra* (26/7/2009 07:00h, Amazon Manu Lodge, Madre de Dios, Peru, 12.18S,70.48W) © Peter Boesman

2489 3 Cinereous Mourner 3 Call 1:04 *Laniocera hypopyrra* (27/7/2009 16:30h, Pantiacolla Lodge, Madre de Dios, Peru, 12.39S,71.14W) © Peter Boesman

2489 4 Cinereous Mourner 4 Call 0:13 Laniocera hypopyrra (27/7/2009 16:30h, Pantiacolla Lodge, Madre de Dios, Peru, 12.39S,71.14W) © Peter Boesman

2489 5 Cinereous Mourner 5 Call 0:43 Laniocera hypopyrra (25/8/1994 , Caño Colorado, Monagas, Venezuela, 09.55N 62.55W) © Peter Boesman.

2490 1 White-browed Purpletuft 1 Call 0:39 Iodopleura isabellae isabellae. Mitu, Vaupes, Colombia, 190m, 07:00h, 12-06-2011, N1.14'45" W70.13'44". Calls from a bird in response to playback. © Andrew Spencer.

2490 2 White-browed Purpletuft 2 Call 0:43 Iodopleura isabellae. (Cristalino Jungle Lodge, MT, Brazil, 250m, 10:00h, 04-10-2009, S9.35'53" W55.55'55"). © Andrew Spencer.

2490 3 White-browed Purpletuft 3 Call 0:06 Iodopleura isabellae (March 2009, Orinoco Lodge, Amazonas, Veezuela) © Hans Matheve.

2490 4 White-browed Purpletuft 4 Call 0:40 Iodopleura isabellae (22/1/2006 16:00h, Carajás area, Pará, Brazil, 06.10S,50.21W) © Nick Athanas

2493 1 Shrike-like Cotinga 1 Song 0:11 Laniisoma elegans (10/9/2001, Pindobas IV , , Brazil ,) © Mark Van Beirs

2493 2 Shrike-like Cotinga 2 Song 1:17 Laniisoma elegans elegans. (Reserva Ecologica de Guapiassu, RJ, Brazil, 450m, 11:22h, 08-10-2007, S22.24'6" W42.43'36"). Male, response to playback. (Background: Rufous-browed Peppershrike, Streak-capped Antwren, Olivaceous Woodcreeper). © Nick Athanas.

2493 3 Shrike-like Cotinga 3 Song 0:17 Laniisoma elegans elegans. (Reserva Ecologica de Guapiassu - RJ, Brazil, 240m, 08:30h, 14-04-2005, S22.24'6" W42.43'36"). © Nick Athanas.

2496 1 Barred Becard 1 Song 0:54 Pachyrhamphus versicolor (29/12/2007 07:45h, Abra Patricia road, San Martín, Peru, 05.50S,77.46W) © Peter Boesman

2496 2 Barred Becard 2 Song 0:23 Pachyrhamphus versicolor (19/7/2009 14:00h, Manu road high, Cuzco, Peru, 13.12S,71.35W) © Peter Boesman

2496 3 Barred Becard 3 Song 0:05 Pachyrhamphus versicolor (29/7/2000 09:00h, El Morro road, Merida, Venezuela, 08.30N,71.05W) © Peter Boesman

2498 1 Cinereous Becard 1 Song 0:13 Pachyrhamphus rufus (31/12/1996 06:00h, Rio Sarare/Rio Burguita, Apure, Venezuela, 07.14N,71.25W) © Peter Boesman

2498 2 Cinereous Becard 2 Song 0:28 Pachyrhamphus rufus (5th January 2010 8h00, Mana Dulce, Tolima, Colombia, 4° 21' 04"N 74° 39' 06"W). (Background: Rufous-tailed Jacamar, Scrub Greenlet). © Peter Boesman.

2498 3 Cinereous Becard 3 Call 0:34 Pachyrhamphus rufus (29/12/1996 06:00h, Rio Sarare/Rio Burguita, Apure, Venezuela, 07.14N,71.25W) © Peter Boesman

2498 4 Cinereous Becard 4 Call 0:49 Pachyrhamphus rufus (5th January 2010 8h00, Mana Dulce, Tolima, Colombia, 4° 21' 04"N 74° 39' 06"W). (Background: Rufous-tailed Jacamar). © Peter Boesman.

2499 1 Cinnamon Becard 1 Song 0:05 Pachyrhamphus cinnamomeus (22/12/1996 17:00h, La Petrolea area, Tachira, Venezuela, 07.38N,72.21W) © Peter Boesman

2499 2 Cinnamon Becard 2 Song 0:05 Pachyrhamphus cinnamomeus. (13th March 2010 17h45, La Selva biological station, Heredia, Costa Rica). © Peter Boesman.

2499 3 Cinnamon Becard 3 song 0:20 Pachyrhamphus cinnamomeus. (14th March 2010 10h00, La Selva biological station, Heredia, Costa Rica). (Background: Golden-hooded Tanager). © Peter Boesman.

2499 4 Cinnamon Becard 4 Song 0:23 Pachyrhamphus cinnamomeus (16/12/1992 09:40h, El Placer, Esmeraldas, Ecuador, 00.50N,78.30W) © Peter Boesman.

2499 5 Cinnamon Becard 5 Call 0:07 Pachyrhamphus cinnamomeus (25/7/2000 11:00h, Rio Frio road, Merida, Venezuela, 08.52N,71.20W) © Peter Boesman.

2499 6 Cinnamon Becard 6 song and call 0:27 Pachyrhamphus cinnamomeus. (13th March 2010 17h30, La Selva biological station, Heredia, Costa Rica). Interaction of two birds. © Peter Boesman.

2499 7 Cinnamon Becard 7 Call 0:03 Pachyrhamphus cinnamomeus (22/12/1996 17:00h, La Petrolea area, Tachira, Venezuela, 07.38N,72.21W) © Peter Boesman.

2500 1 Chestnut-crowned Becard 1 Song 0:44 Pachyrhamphus castaneus (23/7/2004, Ubatuba - Folha Seca road, Sao Paulo, Brazil, 23.28S,45.06W) © Peter Boesman

2500 2 Chestnut-crowned Becard 2 Song 0:47 Pachyrhamphus castaneus (23/12/1997 09:00h, Canoabo area, Carabobo, Venezuela, 10.20N,68.18W) © Peter Boesman

2500 3 Chestnut-crowned Becard 3 Song 0:04 Pachyrhamphus castaneus (24/11/1996 07:00h, Casa Maria, Carabobo, Venezuela, 10.19N,68.15W) © Peter Boesman.

2500 4 Chestnut-crowned Becard 4 Song 0:16 Pachyrhamphus castaneus (15/1/2005 08:30h, Carajás, Salobo area, Pará, Brazil, 05.55S,50.30W) © Peter Boesman.

2500 5 Chestnut-crowned Becard 5 Call 0:15 Pachyrhamphus castaneus (1/8/2003 09:30h, Sabana de Piedra - Santa Maria road, Monagas, Venezuela, 10.15N,63.35W) © Peter Boesman

2500 6 Chestnut-crowned Becard 6 Call 0:34 Pachyrhamphus castaneus (15/1/2005 09:15h, Carajás, Salobo area, Pará, Brazil, 05.55S,50.30W) © Peter Boesman

2500 7 Chestnut-crowned Becard 7 Excited calls 0:15 Pachyrhamphus castaneus (6/8/2004 10:00h, Intervalles National Park, Sao Paulo, Brazil, 24.20S,48.25W) © Peter Boesman.

2501 1 White-winged Becard 1 Song 0:53 Pachyrhamphus polychopterus (9/8/2002 11:00h, Casa Maria, Carabobo, Venezuela, 10.19N,68.15W) © Peter Boesman

2501 2 White-winged Becard 2 Song 0:16 Pachyrhamphus polychopterus (2/8/2008 06:30h, Villa Rica Coffee plantations, Pasco, Peru, 10.40S,75.20W) © Peter Boesman

2501 3 White-winged Becard 3 Song 0:12 Pachyrhamphus polychopterus (01/1/2000 , Zero Location , ,) © Paul Schwartz.

2501 4 White-winged Becard 4 Song 0:56 Pachyrhamphus polychopterus (21/7/2000 12:55h, Hato El Cedral area, Apure, Venezuela, 07.30N,69.17W) © Chris Sharpe.

2501 5 White-winged Becard 5 Call 0:15 Pachyrhamphus polychopterus (8/8/2003 08:00h, Villa Lola area, Bolivar, Venezuela, 07.55N,62.00W) © Peter Boesman

2502 1 Black-and-white Becard 1 Song 0:39 Pachyrhamphus albogriseus (30/7/2000 14:00h, El Morro - Aicagua road, Merida, Venezuela, 08.17N,71.09W) © Peter Boesman

2502 2 Black-and-white Becard 2 Song 0:11 Pachyrhamphus albogriseus (27/12/2007 06:45h, Chirinos road, Piura, Peru, 05.20S,78.55W) © Peter Boesman

2502 3 Black-and-white Becard 3 Song 0:17 Pachyrhamphus albogriseus (26/7/2000 08:00h, Finca Monteverde at Olinda II, Merida, Venezuela, 08.45N,71.28W) © Peter Boesman.

2503 1 Black-capped Becard 1 Song 0:03 Pachyrhamphus marginatus (2/8/2002 08:30h, Lower escalera, Bolivar, Venezuela, 06.00N,61.22W) © Peter Boesman

2503 2 Black-capped Becard 2 Song 0:34 Pachyrhamphus marginatus (2/8/2002 08:30h, Lower escalera, Bolivar, Venezuela, 06.00N,61.22W) © Peter Boesman

2503 3 Black-capped Becard 3 Song () 0:05 Pachyrhamphus marginatus (26/7/2005, Rio Cristalino Jungle Lodge, Mato Grosso, Brazil, 09.27S,55.54W) © Peter Boesman

2503 4 Black-capped Becard 4 Song () 0:11 Pachyrhamphus marginatus (3/8/2002 06:00h, Km 67 area, Bolivar, Venezuela, 06.18N,61.16W) © Peter Boesman.

2505 1 One-colored Becard 1 Song 0:47 Pachyrhamphus homochrous (near Zaruma, El Oro, Ecuador, 16:50h, 29-12-2007). Songs from two of three males involved in an aggressive interaction © Andrew Spencer.

2506 1 Pink-throated Becard 1 Song 0:14 Pachyrhamphus minor (19/1/2005 16:00h, Carajás, Salobo area, Pará, Brazil, 05.55S,50.30W) © Peter Boesman

2506 2 Pink-throated Becard 2 Calls 0:44 Pachyrhamphus minor (19/1/2005 16:00h, Carajás, Salobo area, Pará, Brazil, 05.55S,50.30W) © Peter Boesman

2506 3 Pink-throated Becard 3 Calls 0:36 Pachyrhamphus minor (9/5/2002 10:00h, Rio Grande area, Bolivar, Venezuela, 08.03N,61.40W) © Nick Athanas.

2506 4 Pink-throated Becard 4 Call 0:28 Pachyrhamphus minor (30/7/2002 17:00h, El Pauji road, Bolivar, Venezuela, 04.36N,61.30W) © Peter Boesman.

2509 1 Wing-barred Manakin 1 Song 1:12 Piprites chloris (24/7/2005 16:15h, Rio Cristalino Jungle Lodge, Mato Grosso, Brazil, 09.27S,55.54W) © Peter Boesman

2509 2 Wing-barred Manakin 2 Song 0:39 Piprites chloris (26/3/1997 09:00h, Lower Rio Caura area, Bolivar, Venezuela, 07.15N,65.00W) © Peter Boesman

2509 3 Wing-barred Manakin 3 Song 1:02 Piprites chloris (22nd July 2010 17h00, ACTS Explornapo, Loreto, Peru, 120 m. 3°10' S, 72°55' W). © Peter Boesman.

2509 4 Wing-barred Manakin 4 Song 0:13 Piprites chloris (3/7/1994 07:30h, Lower escalera, Bolivar, Venezuela, 06.00N,61.22W) © Peter Boesman.

2512 1 Rufous-browed Peppershrike 1 Song 1:04 Cyclarhis gujanensis (30/7/2003 10:30h, Cerro Humo, Sucre, Venezuela, 10.41N,62.37W) © Peter Boesman.

2512 2 Rufous-browed Peppershrike 2 Song 0:33 Cyclarhis gujanensis (24/7/2002 06:30h, Villa Lola area, Bolivar, Venezuela, 07.55N,62.00W) © Peter Boesman.

2512 3 Rufous-browed Peppershrike 3 Song 0:21 Cyclarhis gujanensis (11/6/1995 09:00h, Palmichal area, Carabobo, Venezuela, 10.21N,68.12W) © Peter Boesman.

2512 4 Rufous-browed Peppershrike 4 Song 0:18 Cyclarhis gujanensis (28/3/1997 07:00h, Gavilan road, Amazonas, Venezuela, 05.36N,67.12W) © Peter Boesman.

2512 5 Rufous-browed Peppershrike 5 Song 2:21 Cyclarhis gujanensis (4th January 2010 17h00, Mana Dulce, Tolima, Colombia, 4° 21' 04"N 74° 39' 06"W). (Background: Straight-billed Woodcreeper, W Slaty Antshrike, Black-bellied Wren). © Peter Boesman.

2512 6 Rufous-browed Peppershrike 6 Call 0:34 Cyclarhis gujanensis (21/10/1994 11:00h, Castillos de Guayana area, Delta Amac, Venezuela, 08.31N,62.24W) © Peter Boesman

2512 7 Rufous-browed Peppershrike 7 Call 0:08 Cyclarhis gujanensis (20/7/2005 06:30h, Chapada dos Guimaraes, Mato Grosso, Brazil, 15.20S,55.50W) © Peter Boesman

2513 1 Black-billed Peppershrike 1 Song 0:43 Cyclarhis nigrostris (13/2/2006 16:00h, San Isidro lodge, Napo, Ecuador, 00.40S,77.55W) © Peter Boesman.

2513 2 Black-billed Peppershrike 2 Song 1:02 Cyclarhis nigrostris (9th February 2011 7h00, RNA Las Tangaras near Carmen del Atrato, Antioquia, Colombia). © Peter Boesman.

2514 1 Yellow-browed Shrike-Vireo 1 Song 0:44 Vireolanius eximius (1st February 2011 7h00, RNA Reinita Cielo Azul, San Vicente de Chucuri, Santander, Colombia, 1800m, N.50'47" N, 73.22'30" W), © Peter Boesman.

2514 2 Yellow-browed Shrike-Vireo 2 Song 0:42 Vireolanius eximius (13/8/2006 09:15h, Rio Negro/Rio Frio area, Tachira, Venezuela, 07.36N,72.12W) © Nick Athanas.

2514 3 Yellow-browed Shrike-Vireo 3 Song 0:15 Vireolanius eximius (15/4/1995 10:00h, Darien Cana , Panama, 07.50N,77.40W) © Peter Boesman.

2515 1 Slaty-capped Shrike-Vireo 1 Song 0:32 Vireolanius leucotis (31/7/2002 10:00h, El Pauji road, Bolivar, Venezuela, 04.36N,61.30W) © Peter Boesman.

2515 2 Slaty-capped Shrike-Vireo 2 Song 0:30 Vireolanius leucotis (31/12/2001 , Lower escalera, Bolivar, Venezuela, 06.00N,61.22W) © Mark Van Beirs.

2515 3 Slaty-capped Shrike-Vireo 3 Song 0:36 Vireolanius leucotis (20/1/2005 10:00h, Carajás, Aguas Claras area, Pará, Brazil, 06.00S,50.30W) © Peter Boesman.

2515 4 Slaty-capped Shrike-Vireo 4 Call 0:13 Vireolanius leucotis (21/7/2005 09:00h, Rio Cristalino Jungle Lodge, Mato Grosso, Brazil, 09.27S,55.54W) © Peter Boesman

2516 1 Yellow-throated Vireo 1 Song 0:12 Vireo flavifrons (15/4/1999 07:00h, Devil Den's SP, AR, Arkansas, USA,) © Peter Boesman

2517 1 Choco Vireo 1 Song 0:59 Vireo masteri (9th February 2011 7h00. RNA Las Tangaras near Carmen del Atrato, Antioquia, Colombia). (Background: Toucan Barbet). © Peter Boesman.

2518 1 Brown-capped Vireo 1 Song 0:23 Vireo leucophrys (11/6/1995 08:30h, Palmichal area, Carabobo, Venezuela, 10.21N,68.12W) © Peter Boesman

2518 2 Brown-capped Vireo 2 Song 0:31 Vireo leucophrys (7th January 2010 7h45. Onzaga road near Soata, Boyaca, Colombia, 6°20'11"N 72°44'11"W). © Peter Boesman.

2518 3 Brown-capped Vireo 3 Call 0:31 Vireo leucophrys (19/4/1997 10:00h, Pico Humboldt trail, Merida, Venezuela, 08.36N,71.05W) © Peter Boesman

2518 4 Brown-capped Vireo 4 Call 0:06 Vireo leucophrys (21/12/1997 16:00h, Yacambu NP, Lara, Venezuela, 09.43N,69.35W) © Peter Boesman.

2518 5 Brown-capped Vireo 5 Call 1:03 Vireo leucophrys (25/7/2007 08:30h, Montalban La Rosa Mountains, Carabobo, Venezuela, 10.15N,68.18W) © Peter Boesman.

2518 6 Brown-capped Vireo 6 Call 0:07 Vireo leucophrys (5th January 2010 15h00. Laguna Pedro Palo, Cundinamarca, Colombia, 4°41' 0"N 74°23' 21"W). © Peter Boesman.

2519 1 Philadelphia Vireo 1 song 0:25 Vireo philadelphicus. (Réserve faunique des Chic-Chocs, PN Gaspésie, Quebec, Canada, 550m, 11:33h, 25-05-2007). After playback. (Background: Ruby-crowned Kinglet). © Chris Parrish.

2520 1 Red-eyed Vireo 1 Song 0:25 Vireo olivaceus (23/7/2003 08:00h, Casa Maria, Carabobo, Venezuela, 10.19N,68.15W) © Peter Boesman

2520 2 Red-eyed Vireo 2 Song 0:30 Vireo olivaceus (11/6/1995 07:00h, Cariaprima Guataparo hill, Carabobo, Venezuela, 10.15N,68.08W) © Peter Boesman.

2520 3 Red-eyed Vireo 3 Song 1:27 Vireo olivaceus (25/7/2006 15:00h, Iracema falls, Presidente Figueiredo, Amazonas, Brazil, 02.00S,60.00W) © Peter Boesman

2520 4 Red-eyed Vireo 4 Call 0:13 Vireo olivaceus (27/12/2007 11:30h, Bagua Chica, Amazonas, Peru, 05.40S,78.35W) © Peter Boesman

2522 1 Yellow-green Vireo 1 Song 0:15 Vireo flavoviridis (5/6/2000 09:00h, Gomez Farias area, Tamaulipas, Mexico, 23.00N,99.06W) © Peter Boesman

2522 2 Yellow-green Vireo 2 Song 0:13 Vireo flavoviridis (6/6/2000, El Naranjo area, San Luis Potosí, Mexico, 22.25N,99.30W) © Peter Boesman

2523 1 Black-whiskered Vireo 1 song 1:18 Vireo altiloquus (Laguna Cartagena, Puerto Rico, Puerto Rico, 10m, 09:35h, 31-03-2009, N18.0'42" W67.0'0", Natural song from unseen bird in deciduous woodland near marsh. (Background: Gray Kingbird, Smooth-billed Ani, Bananaquit). © Daniel Lane.

2523 2 Black-whiskered Vireo 2 call 0:06 Vireo altiloquus. (Casa Cubuy, El Yunque NP, Puerto Rico, Puerto Rico, 400m, 08:40h, 4-04-2009, N18.15'39" W65.47'48"). (background: Puerto Rican Tanager). © Daniel Lane.

2526 1 Lemon-chested Greenlet 1 Song 0:26 Hylophilus thoracicus (21/10/1994 06:40h, Km 67 area, Bolivar, Venezuela, 06.18N,61.16W) © Peter Boesman.

2526 2 Lemon-chested Greenlet 2 Song 0:23 Hylophilus thoracicus (25/3/1997 08:30h, Lower Rio Caura area, Bolivar, Venezuela, 07.15N,65.00W) © Peter Boesman.

2526 3 Lemon-chested Greenlet 3 Song 0:46 Hylophilus thoracicus (6/8/2003 07:00h, Rio Grande area, Bolivar, Venezuela, 08.03N,61.40W) © Peter Boesman.

2527 1 Gray-chested Greenlet 1 Song 0:47 Hylophilus semicinctus (12/1/2005 08:00h, Carajás, Salobo area, Pará, Brazil, 05.55S,50.30W) © Peter Boesman

2527 2 Gray-chested Greenlet 2 Song 0:42 Hylophilus semicinctus (25/7/2005 08:45h, Rio Cristalino Jungle Lodge, Mato Grosso, Brazil, 09.27S,55.54W) © Peter Boesman

2530 1 Brown-headed Greenlet 1 Song 0:55 Hylophilus brunneiceps. Mitu, Vaupes, Colombia, 190m, 08:45h, 09-06-2011, N1.14'45" W70.13'44", song, natural vocalization © Andrew Spencer.

2530 2 Brown-headed Greenlet 2 Song 1:26 Hylophilus brunneiceps (24/7/2006 07:00h, Tabajos tracks, Sao Gabriel da Cachoeira, Amazonas, Brazil, 00.10S,67.00W) © Peter Boesman.

2530 3 Brown-headed Greenlet 3 Song 0:52 Hylophilus brunneiceps (March 2009, Junglaven, Amazonas, Venezuela) © Hans Matheve.

2530 4 Brown-headed Greenlet 4 Call 0:32 Hylophilus brunneiceps (24/7/2006 07:00h, Tabajos tracks, Sao Gabriel da Cachoeira, Amazonas, Brazil, 00.10S,67.00W) © Peter Boesman.

2531 1 Rufous-naped Greenlet 1 Song 0:27 Hylophilus semibrunneus (12th February 2011 7h00. Clarita Botero near Ibagué, Tolima, Colombia). © Peter Boesman.

2531 2 Rufous-naped Greenlet 2 Song 0:24 Hylophilus semibrunneus (4th February 2011 7h30. Rio Claro, Doradal, Antioquia, Colombia, 1500m, 5.54°0' N, 74.50°54' W). © Peter Boesman.

2531 3 Rufous-naped Greenlet 3 Song 0:22 Hylophilus semibrunneus (1st February 2011 7h00. RNA Reinita Cielo Azul, San Vicente de Chucurí, Santander, Colombia, 1800m, N.50'47" N, 73.22'30" W), (Background: Yellow-browed Shrike-Vireo). © Peter Boesman.

2531 4 Rufous-naped Greenlet 4 Song 0:25 Hylophilus semibrunneus. RNA Arriero Antioqueño, Anorí, Antioquia, Colombia, 1700m, 14:40h, 16-06-2011, N6.59'10" W75.7'30", song, natural vocalization; from a bird part of a large mixed species flock. © Andrew Spencer.

2531 5 Rufous-naped Greenlet 5 Interaction calls 0:08 Hylophilus semibrunneus (5th January 2010 15h00. Laguna Pedro Palo, Cundinamarca, Colombia, 4°41' 0"N 74°23' 21"W). © Peter Boesman.

2531 6 Rufous-naped Greenlet 6 Call 0:07 Hylophilus semibrunneus (5th January 2010 15h00. Laguna Pedro Palo, Cundinamarca, Colombia, 4°41' 0"N 74°23' 21"W). © Peter Boesman.

2532 1 Golden-fronted Greenlet 1 Song 0:52 Hylophilus aurantiifrons (30/7/2003 09:30h, Cerro Humo, Sucre, Venezuela, 10.41N,62.37W) © Peter Boesman.

2532 2 Golden-fronted Greenlet 2 Song 0:31 Hylophilus aurantiifrons (6/8/2002 06:00h, Casa Maria, Carabobo, Venezuela, 10.19N,68.15W) © Peter Boesman.

2532 3 Golden-fronted Greenlet 3 Song 0:26 Hylophilus aurantiifrons (3/8/2003 06:30h, Tucupita area, Delta Amac, Venezuela, 09.08N,62.04W) © Peter Boesman.

2532 4 Golden-fronted Greenlet 4 Call 0:21 Hylophilus aurantiifrons (31/3/1994 , Caño Colorado, Monagas, Venezuela, 09.55N,62.55W) © Peter Boesman.

2533 1 Dusky-capped Greenlet 1 Song 0:39 Hylophilus hypoxanthus (25th July 2010 7h30, ACTS Explomapo, Loreto, Peru, 120 m. 3°10' S, 72°55' W). (Background: White-throated Toucan, Yellow-margined Flycatcher). © Peter Boesman.

2533 2 Dusky-capped Greenlet 2 Song 0:34 Hylophilus hypoxanthus (24th July 2010 9h00, ACTS Explomapo, Loreto, Peru, 120 m. 3°10' S, 72°55' W). (Background: White-throated Toucan, Yellow-browed Tody-flycatcher). © Peter Boesman.

2533 3 Dusky-capped Greenlet 3 Song 0:27 Hylophilus hypoxanthus (26/7/2005 09:00h, Rio Cristalino Jungle Lodge, Mato Grosso, Brazil, 09.27S,55.54W) © Peter Boesman

2533 4 Dusky-capped Greenlet 4 Song 0:25 Hylophilus hypoxanthus (13/1/2005, Carajás, Aguas Claras area, Pará, Brazil, 06.00S,50.30W) © Peter Boesman

2535 1 Scrub Greenlet 1 Song 0:54 Hylophilus flavipes (4/8/2003 08:15h, Boca de Macareo, Delta Amac, Venezuela, 09.04N,62.03W) © Peter Boesman

2535 2 Scrub Greenlet 2 Song 0:31 Hylophilus flavipes (2/2/1997 06:00h, Morrocoy NP, Falcon, Venezuela, 10.51N,68.18W) © Peter Boesman.

2535 3 Scrub Greenlet 3 Song 0:09 Hylophilus flavipes (17/11/1996 07:00h, Morrocoy NP, Falcon, Venezuela, 10.51N,68.18W) © Peter Boesman.

2535 4 Scrub Greenlet 4 Song 0:47 Hylophilus flavipes (4th January 2010 13h00. Mana Dulce, Tolima, Colombia, 4° 21' 04"N 74° 39' 06"W). (Back-ground: Banded Puffbird). © Peter Boesman.

2535 5 Scrub Greenlet 5 Song 0:25 Hylophilus flavipes (3rd February 2011 8h30. RNA El Pauji, Santander, Colombia, 310m, 6.259° N, 74.1541° W). © Peter Boesman.

2537 1 Tawny-crowned Greenlet 1 Song 0:36 Hylophilus ochraceiceps ferrugineifrons. Mitu, Vaupes, Colombia, 190m, 14:30h, 11-06-2011, N1.14'45" W70.13'44", song, natural vocalization; from a bird that was part of a large mixed flock. © Andrew Spencer.

2537 2 Tawny-crowned Greenlet 2 Song 0:19 Hylophilus ochraceiceps (31/7/2002 10:00h, El Pauji road, Bolivar, Venezuela, 04.36N,61.30W) © Peter Boesman

2537 3 Tawny-crowned Greenlet 3 Song 0:40 Hylophilus ochraceiceps (5th August 2010 8h30, Rio Javari, Reserva Natural Palmari, Amazonas, Brazil, 50m, 4°17'20" S, 70°17'41" W). © Peter Boesman.

2537 4 Tawny-crowned Greenlet 4 Song 0:33 Hylophilus ochraceiceps (5th August 2010 10h00, Rio Javari, Reserva Natural Palmari, Amazonas, Brazil, 50m, 4°17'20" S, 70°17'41" W). © Peter Boesman.

2537 5 Tawny-crowned Greenlet 5 Song and call 0:36 Hylophilus ochraceiceps (1/11/1993 , Junglaven area, Amazonas, Venezuela, 05.00N,66.23W) © Peter Boesman

2537 6 Tawny-crowned Greenlet 6 Call 0:34 Hylophilus ochraceiceps (5th August 2010 10h00, Rio Javari, Reserva Natural Palmari, Amazonas, Brazil, 50m, 4°17'20" S, 70°17'41" W). (Background: Plain Xenops, Stipple-throated Antwren). © Peter Boesman.

2538 1 Lesser Greenlet 1 song 0:30 Hylophilus decurtatus (8/4/2003 07:45h, Palenque ruins, Chiapas, Mexico, 17.22N,92.00W) © Peter Boesman

2538 2 Lesser Greenlet 2 song 0:47 Hylophilus decurtatus. (17th March 2010 07h30, Tapanti NP, 1200m elev., Cartago, Costa Rica). (Background: Pale-vented Thrush, Bananaquit). © Peter Boesman.

2538 3 Lesser Greenlet 3 song 0:22 Hylophilus decurtatus. (14th March 2010 09h35, La Selva biological station, Heredia, Costa Rica). (Background: Euphonia). © Peter Boesman.

2539 1 Black-collared Jay 1 Call 0:38 Cyanolyca armillata (23/7/2000 07:00h, Dinira National Park, Lara, Venezuela, 09.42N,70.03W) © Peter Boesman

2539 2 Black-collared Jay 2 Call 0:37 Cyanolyca armillata (19/12/1996 06:00h, Páramo del Zumbador, Tachira, Venezuela, 08.00N,72.00W) © Peter Boesman.

2539 3 Black-collared Jay 3 Call 0:13 Cyanolyca armillata (23/7/2000 09:00h, Dinira National Park, Lara, Venezuela, 09.42N,70.03W) © Peter Boesman.

2539 4 Black-collared Jay 4 Call 0:32 Cyanolyca armillata (29/12/1997 10:30h, Guaramacal NP, Trujillo, Venezuela, 09.10N,70.11W) © Peter Boesman.

2539 5 Black-collared Jay 5 Call 0:12 Cyanolyca armillata (23/7/2000 07:00h, Dinira National Park, Lara, Venezuela, 09.42N,70.03W) © Peter Boesman.

2539 6 Black-collared Jay 6 Call
2539 7 Black-collared Jay 7 Call
2541 1 Turquoise Jay 1 Call
2542 1 Beautiful Jay 1 Call
2542 2 Beautiful Jay 2 Call
2543 3 Beautiful Jay 3 Call
2544 4 Beautiful Jay 4 Call
2543 1 Violaceous Jay 1 Call
2543 2 Violaceous Jay 2 Call
2543 3 Violaceous Jay 3 Call
2543 4 Violaceous Jay 4 Call
2543 5 Violaceous Jay 5 Call
2543 6 Violaceous Jay 6 Call
2543 7 Violaceous Jay 7 Call
2547 1 Black-chested Jay 1 Call
2547 2 Black-chested Jay 2 Call
2547 3 Black-chested Jay 3 Calls
2547 4 Black-chested Jay 4 Call
2550 1 Azure-naped Jay 1 Call
2550 2 Azure-naped Jay 2 Call
2550 3 Azure-naped Jay 3 Call
2550 4 Azure-naped Jay 4 Call
2550 5 Azure-naped Jay 5 Call
2553 1 Green Jay 1 Call
2553 2 Green Jay 2 Call
2553 3 Green Jay 3 Call
2553 4 Green Jay 4 Call
2554 1 Horned Lark 1 Song
2555 1 Blue-and-white Swallow 1 Song and call
2555 2 Blue-and-white Swallow 2 Song
2555 3 Blue-and-white Swallow 3 Call
2555 4 Blue-and-white Swallow 4 Call
2556 1 Black-collared Swallow 1 Call
2557 1 Tawny-headed Swallow 1 Call
2557 2 Tawny-headed Swallow 2 Call
2558 1 Brown-bellied Swallow 1 Call
2558 2 Brown-bellied Swallow 2 Call
2558 3 Brown-bellied Swallow 3 Call
2559 1 Pale-footed Swallow 1 Call
2559 2 Pale-footed Swallow 2 Call
2559 3 Pale-footed Swallow 3 Call
2559 4 Pale-footed Swallow 4 Call
2559 5 Pale-footed Swallow 5 Calls
2561 1 White-banded Swallow 1 Call
2561 2 White-banded Swallow 2 Call
2561 3 White-banded Swallow 3 Call
2562 1 White-thighed Swallow 1 Call
2562 2 White-thighed Swallow 2 Call
2562 3 White-thighed Swallow 3 Call
2563 1 Southern Rough-winged Swallow 1 Call
2563 2 Southern Rough-winged Swallow 2 Call
2563 3 Southern Rough-winged Swallow 3 Call
2563 4 Southern Rough-winged Swallow 4 Call
2564 1 Brown-chested Martin 1 Song
2564 2 Brown-chested Martin 2 Call flight
2565 1 Purple Martin 1 Call
2568 1 Gray-breasted Martin 1 Song
2568 2 Gray-breasted Martin 2 Call
2568 3 Gray-breasted Martin 3 Call
2568 4 Gray-breasted Martin 4 Call
2569 1 Southern Martin 1 Call
2572 1 Tree Swallow 1 Call
2574 1 White-winged Swallow 1 Call

0:21 *Cyanolyca armillata* (February 2009, La Grita, Tachira, Venezuela) © Hans Matheve.
0:28 *Cyanolyca armillata armillata*. R.N. Rio Blanco, Caldas, Colombia, 2800m, 10:30h, 20-07-2008, N5.50° W75.30'0", call © Andrew Spencer
0:54 *Cyanolyca turcosa* (13/2/2006 06:30h, Huacamayos ridge, Napo, Ecuador, 00.37S,77.52W) © Peter Boesman.
0:33 *Cyanolyca pulchra*. Reserva Natural Cerro El Ingles, Choco, Colombia, 1900m, 07:20h, 30-07-2008, calls from a pair of birds; two call types in this cut © Andrew Spencer
0:48 *Cyanolyca pulchra*. Reserva Natural Cerro El Ingles, Choco, Colombia, 1900m, 07:20h, 30-07-2008, calls from a pair of birds © Andrew Spencer.
0:11 *Cyanolyca pulchra* (24/2/2006 16:00h, Bellavista, Pichincha, Ecuador, 00.01S,78.41W) © Peter Boesman.
0:08 *Cyanolyca pulchra* (24/2/2006 16:00h, Bellavista, Pichincha, Ecuador, 00.01S,78.41W) © Peter Boesman.
0:40 *Cyanocorax violaceus* (20/7/2009 18:00h, Manu Amazonia Lodge, Cuzco, Peru, 12.50S,71.15W) © Peter Boesman
0:34 *Cyanocorax violaceus* (21/7/2009 11:00h, Manu Amazonia Lodge, Cuzco, Peru, 12.50S,71.15W) © Peter Boesman
0:33 *Cyanocorax violaceus* (2/8/2008 06:45h, Villa Rica Coffee plantations, Pasco, Peru, 10.40S,75.20W) © Peter Boesman
0:33 *Cyanocorax violaceus* (1/7/1995, Manu Amazonia Lodge, Cuzco, Peru, 12.00S,71.00W) © Peter Boesman
0:21 *Cyanocorax violaceus* (26/3/1997 07:45h, Lower Rio Caura area, Bolivar, Venezuela, 07.15N,65.00W) © Peter Boesman
0:18 *Cyanocorax violaceus* (24/3/1997 06:00h, Lower Rio Caura area, Bolivar, Venezuela, 07.15N,65.00W) © Peter Boesman.
1:12 *Cyanocorax violaceus violaceus*. Finca La Pradera, Parroquia Remolinos, Municipio Puerto Lopez, Meta, Colombia, 400m, 07:00h, 17-04-2000, © Bernabe Lopez-Lanus.
0:10 *Cyanocorax affinis* (27/2/1995 08:00h, La Azulita road, Merida, Venezuela, 08.40N,71.24W) © Peter Boesman
0:40 *Cyanocorax affinis* (3/1/1994 07:30h, Santa Marta Lorenzo road, Magdalena, Colombia, 11.00N,73.40W) © Peter Boesman
0:52 *Cyanocorax affinis* (2nd February 2011 17h00. RNA El Paujil, Santander, Colombia, 310m, 6.2'59" N, 74.15'41" W). © Peter Boesman.
0:16 *Cyanocorax affinis* (15/4/1995 17:00h, Darien Cana, Panama, 07.50N,77.40W) © Peter Boesman.
0:18 *Cyanocorax heilprini*. (08-06-2011, 10:30h, Mitu, Vaupes, Colombia, 190m, N1.14'45" W70.13'44"). Calls from two of a flock of six, along the edge of a clearing in terra firme forest. © Andrew Spencer.
0:51 *Cyanocorax heilprini*. (08-06-2011, 10:30h, Mitu, Vaupes, Colombia, 190m, N1.14'45" W70.13'44"). Calls from one a flock of six, along the edge of a clearing in terra firme forest. © Andrew Spencer.
0:20 *Cyanocorax heilprini* (March 2009, Junglaven area, Amazonas, Venezuela, 05.00N,66.23W) © Hans Matheve.
0:53 *Cyanocorax heilprini* (March 2009, Junglaven area, Amazonas, Venezuela, 05.00N,66.23W) © Hans Matheve.
0:16 *Cyanocorax heilprini* (March 2009, Junglaven area, Amazonas, Venezuela, 05.00N,66.23W) © Hans Matheve.
0:34 *Cyanocorax yncas* (22/12/1996 10:00h, Matamula area, Tachira, Venezuela, 07.42N,72.26W) © Peter Boesman
0:21 *Cyanocorax yncas* (22/1/1995 08:00h, Caripe area, Monagas, Venezuela, 10.10N,63.31W) © Peter Boesman.
0:19 *Cyanocorax yncas* (22/12/1996 06:00h, Matamula area, Tachira, Venezuela, 07.42N,72.26W) © Peter Boesman.
1:16 *Cyanocorax yncas cyanodorisalis*. La Suiza (sendero El Manzano), SFF Otun/Quimbaya, corregimiento La Florida, Pereira, Risaralda, Colombia, 1700m, 10:42h, 19-03-1999, Call, Response to playback © Bernabe Lopez-Lanus.
0:23 *Eremophila alpestris* (5/4/1998 06:00h, Campo, CO, USA,) © Peter Boesman.
0:23 *Notiochelidon cyanoleuca* (28/2/1995 10:30h, San Isidro area, Barinas, Venezuela, 08.52N,70.36W) © Peter Boesman
0:18 *Notiochelidon cyanoleuca* (28/2/1995 10:30h, San Isidro area, Barinas, Venezuela, 08.52N,70.36W) © Peter Boesman
0:17 *Notiochelidon cyanoleuca* (5/8/2004, Intervalles National Park, Sao Paulo, Brazil, 24.20S,48.25W) © Peter Boesman
0:11 *Notiochelidon cyanoleuca* (1/8/2009 10:00h, Abra Malaga area, Cuzco, Peru, 13.10S,72.20W) © Peter Boesman
0:22 *Atticora melanoleuca* (28/3/1997, Orinoco river islands, Amazonas, Venezuela, 05.24N,67.46W) © Peter Boesman
0:26 *Stelgidopteryx fucata* (3/8/2004 07:00h, Serra da Canastra, Minas Gerais, Brazil, 20.15S,46.37W) © Peter Boesman
0:06 *Stelgidopteryx fucata* (3/8/2004 07:30h, Serra da Canastra, Minas Gerais, Brazil, 20.15S,46.37W) © Peter Boesman
0:10 *Notiochelidon murina* (19/4/1997 16:00h, Los Frailes area, Merida, Venezuela, 08.50N,70.48W) © Peter Boesman
0:09 *Notiochelidon murina* (10th February 2011 9h00, Nevada del Ruiz, Caldas, Colombia 4°54'N, 75°19'W). © Peter Boesman.
0:07 *Notiochelidon murina*. Bogota-Quebrada la Vieja, Colombia, 2700m, 08:00h, 12-12-2002, Calls, These birds were arriving at and leaving perch. © Doug Knapp.
0:13 *Notiochelidon flavipes* (3/8/2008 07:00h, Villa Rica-Oxapampa road, Pasco, Peru, 10.35S,75.20W) © Peter Boesman
0:56 *Notiochelidon flavipes* (3/8/2008 09:00h, Villa Rica-Oxapampa road, Pasco, Peru, 10.35S,75.20W) © Peter Boesman
0:02 *Notiochelidon flavipes* (27/12/1997 10:00h, Dinira National Park, Lara, Venezuela, 09.42N,70.03W) © Peter Boesman
0:18 *Notiochelidon flavipes* (30/7/2000 17:00h, El Morro - Aricagua road, Merida, Venezuela, 08.17N,71.09W) © Peter Boesman
0:17 *Notiochelidon flavipes* (27/12/1997 10:00h, Dinira National Park, Lara, Venezuela, 09.42N,70.03W) © Peter Boesman
0:42 *Atticora fasciata*. (14-05-2008 10:30h, Tierra Blanca, Loreto, Peru, 150m, S4.16'56" W77.14'26"). Several birds flying around over the Rio Morona. (Background: Ringed Kingfisher). © Nick Athanas.
0:24 *Atticora fasciata*. (Roura, piste Coralie, French Guiana, 20m, 18-09-2010). (background: Screaming Piha, Tropical Kingbird, Band-rumped Swift). © Alexandre Renaudier.
0:18 *Atticora fasciata*. (Yasuni Research Station, Parque Nacional Yasuni, Orellana, Ecuador, 250m, 17:00h, 23-08-2010, S0.40'27" W76.23'52"). Calls from an older juvenile bird. © Andrew Spencer.
0:29 *Neochelidon tibialis* (17/7/2006 11:30h, Iracema falls, Presidente Figueiredo, Amazonas, Brazil, 02.00S,60.00W) © Peter Boesman
0:20 *Neochelidon tibialis* (17/7/2006 11:30h, Iracema falls, Presidente Figueiredo, Amazonas, Brazil, 02.00S,60.00W) © Peter Boesman
0:10 *Neochelidon tibialis* (23/7/2004, Ubatuba - Folha Seca road, Sao Paulo, Brazil, 23.28S,45.06W) © Peter Boesman
0:05 *Stelgidopteryx ruficollis* (10/2/1997 07:00h, Morrocoy NP, Falcon, Venezuela, 10.51N,68.18W) © Peter Boesman
0:03 *Stelgidopteryx ruficollis* (5th January 2010 7h45. Mana Dulce, Tolima, Colombia, 4° 21' 04"N 74° 39' 06"W). © Peter Boesman.
0:06 *Stelgidopteryx ruficollis* (30th July 2010 6h30, Padre Island near Cumaceba lodge, Loreto, Peru, 3°38' S, 73°08' W). © Peter Boesman.
0:26 *Stelgidopteryx ruficollis*. (Cristalino Jungle Lodge, MT, Brazil, 250m, 15:30h, 24-09-2009, S9.35'53" W55.55'55"). © Andrew Spencer.
0:41 *Progne tapera fusca*. (Reserva Ecologica de Guapiassu, RJ, Brazil, 30m, 09:15h, 19-04-2005, S22.24'6" W42.43'36"). Song from a bird perched on a wire. (Background: Ruddy Ground-Dove, Double-collared Seedeater, House Wren, Guira Cuckoo). © Nick Athanas.
0:19 *Progne tapera* (30th July 2010 6h30, Padre Island near Cumaceba lodge, Loreto, Peru, 3°38' S, 73°08' W). © Peter Boesman.
0:12 *Progne subis* (25/4/1999 19:00h, Fort Smith, AR,USA) © Peter Boesman
0:10 *Progne chalybea chalybea*. Finca La Magnolia, Corregimiento Totumo, Ibague, Tolima, Colombia, 1000m, 12:36h, 07-08-1999, Song, Bird with nest © Bernabe Lopez-Lanus.
0:09 *Progne chalybea* (1/8/2003 17:00h, Represa El Guamo, Monagas, Venezuela, 10.05N,63.40W) © Peter Boesman
0:22 *Progne chalybea* (4/8/2002 08:30h, Laguna Unare, Anzoategui, Venezuela, 10.07N,65.20W) © Peter Boesman
0:25 *Progne chalybea* (22/11/2000 12:30h, Hato El Piñero, Cojedes, Venezuela, 08.56N,68.05W) © Chris Sharpe
0:19 *Progne modesta* (30/7/2005 17:30h, Pantanal, Pixaim area, Mato Grosso, Brazil, 16.40S,56.50W) © Peter Boesman
0:20 *Tachycineta bicolor* (20/3/1998 07:00h, Sequoyah NWR, OK, Oklahoma, USA,) © Peter Boesman
0:16 *Tachycineta albiventer* (28/3/1997 09:00h, Orinoco river islands, Amazonas, Venezuela, 05.24N,67.46W) © Peter Boesman

2574 2 White-winged Swallow 2 Call 0:11 Tachycineta albiventer. (Cristalino Jungle Lodge, MT, Brazil, 250m, 09:00h, 05-10-2009, S9.35°53' W55.55°55'). © Andrew Spencer.

2577 1 Bank Swallow 1 Call 0:09 Riparia riparia. Achterhaven Zeebrugge, West-Vlaanderen, België. 20 Mei 2007 (13h10). © Peter Boesman.

2578 1 Barn Swallow 1 Song 0:14 Hirundo rustica. Uitkerkse polders, West-Vlaanderen, België. 30 April 2007 (7h20). © Peter Boesman.

2578 2 Barn Swallow 2 Song () 0:08 Hirundo rustica (25/4/1999, Fort Smith, AR, Arkansas, USA,) © Peter Boesman

2578 3 Barn Swallow 3 Call 0:18 Hirundo rustica. Waharday, prov. Luxembourg, België. 23 Mei 2008 (21h45). Five birds in flight. © Peter Boesman.

2579 1 Cliff Swallow 1 Call 0:13 Hirundo pyrrhonota (25/4/1999 19:00h, Fort Smith, AR,USA) © Peter Boesman

2582 1 Scaly-breasted Wren 1 Song 0:57 Microcerculus marginatus (25/3/1995 05:30h, Rancho Grande area, Aragua, Venezuela, 10.21N,67.42W) © Peter Boesman

2582 2 Scaly-breasted Wren 2 Song 0:58 Microcerculus marginatus (1/8/2000 06:00h, Presa Las Cuevas road, Tachira, Venezuela, 07.56N,71.47W) © Peter Boesman.

2582 3 Scaly-breasted Wren 3 Song 1:00 Microcerculus marginatus (21/11/1996 07:00h, La Mision Limestone hills, Falcon, Venezuela, 10.51N,68.33W) © Peter Boesman

2582 4 Scaly-breasted Wren 4 Song 0:30 Microcerculus marginatus (15/4/1995 17:00h, Darien Cana, Panama, 07.50N,77.40W) © Peter Boesman.

2585 1 Gray-mantled Wren 1 Song 0:16 Odontorchilus branickii. Parque Nacional Podocarpus, sector Rio Bombuscaro, Zamora-Chinchipé, Ecuador, 1000m, 11:00h, 21-12-2007, S4.6°50' W78.57°49", song, I believe the high-pitched calls on this cut are also from this species. © Andrew Spencer.

2585 2 Gray-mantled Wren 2 Call 1:20 Odontorchilus branickii (31/12/2007 14:55h, Abra Patricia road, San Martín, Peru, 05.50S,77.46W) © Peter Boesman.

2587 1 House Wren 1 Song 0:29 Troglodytes aedon (16/3/1997 11:00h, Canoabo area, Carabobo, Venezuela, 10.20N,68.18W) © Peter Boesman

2587 2 House Wren 2 Song 0:34 Troglodytes aedon lumped (6/8/2002 05:30h, Casa Maria, Carabobo, Venezuela, 10.19N,68.15W) © Peter Boesman.

2587 3 House Wren 3 Song 0:15 Troglodytes aedon lumped (30/7/2002 09:30h, Gran Sabana southern side, Bolívar, Venezuela, 04.59N,60.50W) © Peter Boesman.

2587 4 House Wren 4 Song 0:17 Troglodytes aedon musculus. El 18, Valle del Cauca, Colombia, 11:00h, 17-07-2008, song © Andrew Spencer.

2587 5 House Wren 5 Song 0:12 Troglodytes aedon columbae. Humedal Laguna del Neuta, Soacha, Cundinamarca, Colombia, 2600m, amh, 24-05-2003, Song © Bernabe Lopez-Lanus.

2587 6 House Wren 6 Call 0:15 Troglodytes aedon lumped (24/11/1996 07:00h, Casa Maria, Carabobo, Venezuela, 10.19N,68.15W) © Peter Boesman.

2587 7 House Wren 7 Call 0:22 Troglodytes aedon. Bogota-Quebrada la Vieja, Colombia, 2800m, 08:00h, 12-12-2002. Alarm calls © Doug Knapp.

2588 1 Mountain Wren 1 Song 0:19 Troglodytes solstitialis (23/7/2000 09:00h, Dinira National Park, Lara, Venezuela, 09.42N,70.03W) © Peter Boesman.

2588 2 Mountain Wren 2 Song 0:18 Troglodytes solstitialis (30th December 2009 11h00. R.N. Rio Blanco, Caldas, Colombia, 2600m, 5°5' N 75°30'W). © Peter Boesman.

2588 3 Mountain Wren 3 Call 0:12 Troglodytes solstitialis (30/7/2000 17:00h, El Morro - Aricagua road, Merida, Venezuela, 08.17N,71.09W) © Peter Boesman.

2588 4 Mountain Wren 4 Call 0:04 Troglodytes solstitialis (29/7/2000 17:00h, El Morro - Aricagua road, Merida, Venezuela, 08.17N,71.09W) © Peter Boesman.

2588 5 Mountain Wren 5 Call 0:19 Troglodytes solstitialis (23/7/2000 09:00h, Dinira National Park, Lara, Venezuela, 09.42N,70.03W) © Peter Boesman.

2588 6 Mountain Wren 6 Call 0:15 Troglodytes solstitialis (29th December 2009 16h15. R.N. Rio Blanco, Caldas, Colombia, 2600m, 5°5' N 75°30'W). © Peter Boesman

2591 1 Sedge Wren 1 Song 0:44 Cistothorus platensis (10th February 2011 6h00. Nevada del Ruiz, Caldas, Colombia 4°54'N, 75°19'W). © Peter Boesman.

2591 2 Sedge Wren 2 Song 0:23 Cistothorus platensis (10th February 2011 6h00. Nevada del Ruiz, Caldas, Colombia 4°54'N, 75°19'W). © Peter Boesman.

2591 3 Sedge Wren 3 Song 1:00 Cistothorus platensis (8th January 2010 7h15. Paramo Soata-Belen, Boyaca, Colombia). © Peter Boesman.

2591 4 Sedge Wren 4 Call 1:06 Cistothorus platensis (7th January 2010 10h30. Onzaga road near Soata, Boyaca, Colombia, 6°20'11"N 72°44'11"W). © Peter Boesman.

2593 1 Apolinar's Wren 1 Duet 0:21 Cistothorus apolinari (6th January 2010 6h00. Laguna Fuquene, Cundinamarca, Colombia, 5° 27' 40"N 73° 46' 10"W). © Peter Boesman.

2593 2 Apolinar's Wren 2 Duet 0:20 Cistothorus apolinari (6th January 2010 6h00. Laguna Fuquene, Cundinamarca, Colombia, 5° 27' 40"N 73° 46' 10"W). © Peter Boesman.

2593 3 Apolinar's Wren 3 Duet 0:10 Cistothorus apolinari. Parque La Florida, Bogota, Colombia, 2600m, 06:23h, 28-11-2007, N4.43'47" W74.8'8", song, Response to playback. © Nick Athanas.

2593 4 Apolinar's Wren 4 Duet 0:07 Cistothorus apolinari apolinari. Parque La Florida, Bogota, Colombia, 2600m, 10:50h, 14-07-2008, N4.43'47" W74.8'8", song, first little bit cut off © Andrew Spencer.

2593 5 Apolinar's Wren 5 Song 0:28 Cistothorus apolinari apolinari. Humedal de La Conejera (Bogota), Cundinamarca, Colombia, 2600m, amh, 03-11-2000, Song (duet), Agelaius icterocephalus in the background © Bernabe Lopez-Lanus.

2593 6 Apolinar's Wren 6 Call 0:57 Cistothorus apolinari apolinari. Parque La Florida, Bogota, Colombia, 2600m, 10:50h, 14-07-2008, N4.43'47" W74.8'8", call © Andrew Spencer.

2594 1 White-headed Wren 1 Song 0:25 Campylorhynchus albobrunneus harterti. RNA Las Tangaras, Choco, Colombia, 1800m, 08:00h, 26-06-2011, N5.43'44" W76.14'38", Song from a trio of birds part of a group of nine to ten individuals. © Andrew Spencer.

2594 2 White-headed Wren 2 Song 1:32 Campylorhynchus albobrunneus harterti. RNA Las Tangaras, Choco, Colombia, 1800m, 09:00h, 24-06-2011, N5.43'44" W76.14'38", Song from two of a group of nine or ten birds, some of which were in the process of constructing a nest. © Andrew Spencer.

2594 3 White-headed Wren 3 Calls 0:52 Campylorhynchus albobrunneus (9th February 2011 16h00. RNA Las Tangaras near Carmen del Atrato, Antioquia, Colombia). © Peter Boesman.

2594 4 White-headed Wren 4 Call 0:06 Campylorhynchus albobrunneus (9th February 2011 16h00. RNA Las Tangaras near Carmen del Atrato, Antioquia, Colombia). © Peter Boesman.

2594 5 White-headed Wren 5 Call 0:22 Campylorhynchus albobrunneus (9th February 2011 16h00. RNA Las Tangaras near Carmen del Atrato, Antioquia, Colombia). © Peter Boesman.

2595 1 Band-backed Wren 1 song 0:41 Campylorhynchus zonatus (8/4/2003 09:00h, Palenque ruins, Chiapas, Mexico, 17.22N,92.00W) © Peter Boesman

2595 2 Band-backed Wren 2 song 0:12 Campylorhynchus zonatus. (14th March 2010 10h15, La Selva biological station, Heredia, Costa Rica). (Background: Cocoa Woodcreeper). © Peter Boesman.

2595 3 Band-backed Wren 3 Song 0:35 Campylorhynchus zonatus (1st January 2010 7h30. P.N. Tatamá, Montezuma trail, near Pueblo Rico, Risaralda, Colombia, 1600m, 5°14'3"N 76° 5'21"W). (Background: Golden-crowned Flycatcher). © Peter Boesman.

2595 4 Band-backed Wren 4 Song 0:29 Campylorhynchus zonatus. Veredas Cayapa/Buenavista/Anatoli (Puerto Lleras-Cachipay), La Mesa, Cundinamarca, Colombia, 1650m, amh, 31-05-2000, Song © Bernabe Lopez-Lanus.

2595 5 Band-backed Wren 5 Call 0:12 Campylorhynchus zonatus (4th February 2011 11h30. Rio Claro, Doradal, Antioquia, Colombia, 1500m, 5.54°0' N, 74.50°54' W). © Peter Boesman.

2596 1 Stripe-backed Wren 1 Song 0:08 Campylorhynchus nuchalis (28/7/2003 16:15h, Finca Vuelta Larga, Sucre, Venezuela, 10.30N,63.00W) © Peter Boesman

2596 2 Stripe-backed Wren 2 Song 0:16 Campylorhynchus nuchalis (11/6/1995 17:00h, San Pablo marsh, Carabobo, Venezuela, 10.31N,68.22W) © Peter Boesman.

2596 3 Stripe-backed Wren 3 Call 0:19 Campylorhynchus nuchalis (6/11/1994 08:00h, Caño Colorado, Monagas, Venezuela, 09.55N,62.55W) © Peter Boesman.

2598 1 Bicolored Wren 1 Song 0:15 Campylorhynchus griseus (22/7/2000, Guadeloupe area, Lara, Venezuela, 10.02N,69.40W) © Peter Boesman

2598 2 Bicolored Wren 2 Song 0:35 Campylorhynchus griseus (5/3/1994 , Caño Colorado, Monagas, Venezuela, 09.55N,62.55W) © Peter Boesman.

2598 3 Bicolored Wren 3 Song 0:33 Campylorhynchus griseus (29/7/2003 07:00h, Finca Vuelta Larga, Sucre, Venezuela, 10.30N,63.00W) © Peter Boesman.

2598 4 Bicolored Wren 4 Call 0:23 Campylorhynchus griseus (22/7/2000 07:00h, Quibor - Sanare road, Lara, Venezuela, 09.48N,69.36W) © Peter Boesman.

2598 5 Bicolored Wren 5 Call 0:04 Campylorhynchus griseus (22/7/2000 07:00h, Quibor - Sanare road, Lara, Venezuela, 09.48N,69.36W) © Peter Boesman.

2599 1 Thrush-like Wren 1 Song 1:45 Campylorhynchus turdinus (15/11/2005 09:30h, Carajás, Salobo area, Pará, Brazil, 05.55S,50.30W) © Peter Boesman

2599 2 Thrush-like Wren 2 Song 0:15 Campylorhynchus turdinus (27/7/2009 07:00h, Pantiacolla Lodge, Madre de Dios, Peru, 12.39S,71.14W) © Peter Boesman

2599 3 Thrush-like Wren 3 Call 0:28 Campylorhynchus turdinus (28/7/2005 17:00h, Pantanal, Porto Jofre area, Mato Grosso, Brazil, 17.25S,56.45W) © Peter Boesman

2599 4 Thrush-like Wren 4 Call 0:23 Campylorhynchus turdinus (25/7/2005 07:30h, Rio Cristalino Jungle Lodge, Mato Grosso, Brazil, 09.27S,55.54W) © Peter Boesman

2599 5 Thrush-like Wren 5 Call 0:11 Campylorhynchus turdinus (15/11/2005 09:30h, Carajás, Salobo area, Pará, Brazil, 05.55S,50.30W) © Peter Boesman

2599 6 Thrush-like Wren 6 Call 0:27 Campylorhynchus turdinus. (05-05-2008 13:09h, Villa Rica area, Pasco, Peru, 1400m, S10.47°0' W75.17°0"). Single bird. (Background: Russet-backed Oropendola). © Nick Athanas.

2599 7 Thrush-like Wren 7 Call 0:09 Campylorhynchus turdinus. (27th July 2010 7h30, Explornapo, Loreto, Peru, 120 m, 3°10' S, 72°55' W). © Peter Boesman.

2599 8 Thrush-like Wren 8 Scolding 0:14 Campylorhynchus turdinus. (6th August 2010 11h00, Río Javari, Reserva Natural Palmari, Amazonas, Brazil, 50m, 4°17'20" S, 70°17'41" W). © Peter Boesman.

2600 1 Sooty-headed Wren 1 Song 0:25 Pheugopedius spadix (1st January 2010 17h30. P.N. Tatamá, Montezuma trail, near Pueblo Rico, Risaralda, Colombia, 1600m, 5°14'3"N 76° 5'21"W). © Peter Boesman.

2600 2 Sooty-headed Wren 2 Song 0:18 Pheugopedius spadix (1st January 2010 17h30. P.N. Tatamá, Montezuma trail, near Pueblo Rico, Risaralda, Colombia, 1600m, 5°14'3"N 76° 5'21"W). © Peter Boesman.

2600 3 Sooty-headed Wren 3 Song 0:16 *Thryothorus spadix* (15/4/1995 06:15h, Darien Cana, , Panama, 07.50N,77.40W) © Peter Boesman.

2600 4 Sooty-headed Wren 4 Song 0:48 *Thryothorus spadix* spadix. RNA Arriero Antioqueño, Anori, Antioquia, Colombia, 1700m, 15:30h, 16-06-2011, N6.59°10' W75.730", song, in response to playback © Andrew Spencer.

2600 5 Sooty-headed Wren 5 Song 0:46 *Thryothorus spadix* spadix. Reserva La Forzosa (Vereda Roble arriba), Anori, Antioquia, Colombia, 1800m, 12:29h, 03-06-2000, Song, Response to playback © Bernabe Lopez-Lanus.

2600 6 Sooty-headed Wren 6 Song 0:47 *Thryothorus spadix*. RNA Arriero Antioqueño, Anori, Antioquia, Colombia, 1680m, 17:17h, 12-02-2007, song, also: White-tipped Dove, Bananaquit, Pale-vented Thrush, Pale-eyed Thrush © Nick Athanas.

2601 1 Black-bellied Wren 1 Song 0:17 *Thryothorus semibadius* (25/12/1991 07:30h, Manuel Antonio NP, Puntarenas, Costa Rica, 09.25N,84.10W) © Peter Boesman

2601 2 Black-bellied Wren 2 Song 0:20 *Thryothorus semibadius* (4th January 2010 17h20. Mana Dulce, Tolima, Colombia, 4° 21' 04"N 74° 39' 06"W). (Background: Great Kiskadee). © Peter Boesman.

2601 3 Black-bellied Wren 3 Song 0:38 *Thryothorus semibadius* (27th December 2009 13h00. La Victoria, Cundinamarca, Colombia, 5°19'55 N 74°55'12"W). © Peter Boesman.

2601 4 Black-bellied Wren 4 Short song 0:35 *Thryothorus semibadius* (3rd February 2011 8h30. RNA El Paujil, Santander, Colombia, 310m, 6.259° N, 74.1541° W). © Peter Boesman.

2601 5 Black-bellied Wren 5 Call and song 0:34 *Thryothorus fasciatoventris*. (23rd March 2010 08h00, Carara NP area, 10m elev., Puntarenas, Costa Rica). © Peter Boesman.

2601 6 Black-bellied Wren 6 Call 0:17 *Thryothorus fasciatoventris*. (23rd March 2010 06h30, Carara NP area, 10m elev., Puntarenas, Costa Rica). (Background: Chestnut-backed Antbird). © Peter Boesman.

2602 1 Plain-tailed Wren 1 Song 0:33 *Thryothorus euophrys* (13/2/2006 08:30h, Huacamayos ridge, Napo, Ecuador, 00.37S,77.52W) © Peter Boesman.

2602 2 Plain-tailed Wren 2 Song 0:24 *Thryothorus euophrys* (25/12/1993, Podocarpus Cajanuma, Loja, Ecuador, 04.20S,79.10W) © Peter Boesman.

2604 1 Whiskered Wren 1 Song 0:18 *Thryothorus mystacalis* (11/4/1992, San Isidro area, Barinas, Venezuela, 08.52N,70.36W) © Peter Boesman.

2604 2 Whiskered Wren 2 Song 0:18 *Thryothorus mystacalis* (27/2/1995 14:00h, San Isidro area, Barinas, Venezuela, 08.52N,70.36W) © Peter Boesman.

2604 3 Whiskered Wren 3 Song 1:25 *Thryothorus mystacalis macurus*. Laguna de Pedro Palo, Tena, Cundinamarca, Colombia, 2100m, 08:27h, 18-03-2000, Song, Response after playback © Bernabe Lopez-Lanus.

2604 4 Whiskered Wren 4 Short song 0:14 *Thryothorus mystacalis* (2/8/2000 07:00h, Campamento La Trampa, Tachira, Venezuela, 07.55N,71.43W) © Peter Boesman.

2604 5 Whiskered Wren 5 Call 0:23 *Thryothorus mystacalis* (4/6/1995 10:15h, Palmichal area, Carabobo, Venezuela, 10.21N,68.12W) © Peter Boesman.

2604 6 Whiskered Wren 6 Call 0:20 *Thryothorus mystacalis* (26/2/1995 09:00h, La Azulita road, Merida, Venezuela, 08.40N,71.24W) © Peter Boesman.

2604 7 Whiskered Wren 7 Call 0:06 *Thryothorus mystacalis* (3rd January 2010 9h30. Bosque Bremen, Quindio, Colombia, 4°40'26"N 75°37'5"W). © Peter Boesman.

2604 8 Whiskered Wren 8 Call 0:26 *Thryothorus mystacalis macurus*. Icononzo (carretera a Melgar), Tolima, Colombia, 1500m, 09:50h, 27-07-2000, Call © Bernabe Lopez-Lanus.

2604 9 Whiskered Wren 9 Scolding call 0:17 *Thryothorus mystacalis* (11/6/1995 09:30h, Palmichal area, Carabobo, Venezuela, 10.21N,68.12W) © Peter Boesman.

2606 1 Coraya Wren 1 Song and call 0:33 *Thryothorus coraya* (26/7/2002 06:00h, Lower escalera, Bolivar, Venezuela, 06.00N,61.22W) © Peter Boesman

2606 2 Coraya Wren 2 Song 0:29 *Thryothorus coraya* (24/3/1997 11:00h, Lower Rio Caura area, Bolivar, Venezuela, 07.15N,65.00W) © Peter Boesman.

2606 3 Coraya Wren 3 Song 0:39 *Thryothorus coraya* (5/8/1999, Km 73 area, Bolivar, Venezuela, 06.17N,61.17W) © Peter Boesman.

2606 5 Coraya Wren 5 Call 0:12 *Thryothorus coraya* (24/3/1997 11:00h, Lower Rio Caura area, Bolivar, Venezuela, 07.15N,65.00W) © Peter Boesman.

2606 6 Coraya Wren 6 Call 0:21 *Thryothorus coraya* (1/8/2002 06:30h, Upper escalera, Bolivar, Venezuela, 05.58N,61.24W) © Peter Boesman.

2606 7 Coraya Wren 7 Call 0:28 *Thryothorus coraya* (March 2009, Upper escalera, Bolivar, Venezuela, 05.58N,61.24W) © Hans Matheve

2606 8 Coraya Wren 8 Call 0:52 *Thryothorus coraya*. Mitu, Vaupes, Colombia, 190m, 09:30h, 11-06-2011, N1.14'45" W70.13'44", alarm calls from a bird low in dense brush. © Andrew Spencer.

2607 1 Rufous-breasted Wren 1 Song 1:16 *Thryothorus rutilus* (1/8/2003 09:30h, Sabana de Piedra - Santa Maria road, Monagas, Venezuela, 10.15N,63.35W) © Peter Boesman

2607 2 Rufous-breasted Wren 2 Song 0:24 *Thryothorus rutilus* (11/6/1995 10:00h, Palmichal area, Carabobo, Venezuela, 10.21N,68.12W) © Peter Boesman.

2607 3 Rufous-breasted Wren 3 Song 0:26 *Thryothorus rutilus* (4/7/1996 08:00h, Yacambu NP, Lara, Venezuela, 09.43N,69.35W) © Peter Boesman.

2607 4 Rufous-breasted Wren 4 Song 0:23 *Thryothorus rutilus* (10/2/1997 09:00h, Morrocoy NP, Falcon, Venezuela, 10.51N,68.18W) © Peter Boesman.

2607 5 Rufous-breasted Wren 5 Song 0:13 *Thryothorus rutilus laetus*. Near La Minca below RNA El Dorado, Sierra de Santa Marta, Magdalena, Colombia, 1100m, 08:31h, 13-03-2010, N11.80° W74.6°0", song, Response to playback © Nick Athanas.

2607 6 Rufous-breasted Wren 6 Call 0:22 *Thryothorus rutilus* (26/12/1996 07:00h, Rio Negro/Rio Frio area, Tachira, Venezuela, 07.36N,72.12W) © Peter Boesman.

2607 7 Rufous-breasted Wren 7 Call 0:36 *Thryothorus rutilus* (26/12/1996 07:00h, Rio Negro/Rio Frio area, Tachira, Venezuela, 07.36N,72.12W) © Peter Boesman.

2607 8 Rufous-breasted Wren 8 Call and song 0:29 *Thryothorus rutilus* (February 2009, Morrocoy NP, Falcon, Venezuela) © Hans Matheve.

2608 1 Speckle-breasted Wren 1 Song 0:47 *Pheugopedius sclateri* (5th January 2010 16h45. Laguna Pedro Palo, Cundinamarca, Colombia, 4°41' 0"N 74°23' 21"W). © Peter Boesman.

2608 2 Speckle-breasted Wren 2 Song and call 0:37 *Pheugopedius sclateri* (5th January 2010 16h40. Laguna Pedro Palo, Cundinamarca, Colombia, 4°41' 0"N 74°23' 21"W). © Peter Boesman.

2608 3 Speckle-breasted Wren 3 Call 0:56 *Pheugopedius sclateri* (5th January 2010 16h30. Laguna Pedro Palo, Cundinamarca, Colombia, 4°41' 0"N 74°23' 21"W). © Peter Boesman.

2609 1 Rufous-and-white Wren 1 Song 0:30 *Thryothorus rufalbus* (11/6/1995 09:00h, Palmichal area, Carabobo, Venezuela, 10.21N,68.12W) © Peter Boesman.

2609 2 Rufous-and-white Wren 2 Song 0:32 *Thryothorus rufalbus* (9/8/2002 09:00h, Cerro de Paja, Carabobo, Venezuela, 10.18N,68.15W) © Peter Boesman.

2609 3 Rufous-and-white Wren 3 Song 0:15 *Thryothorus rufalbus* (9/8/2002 09:30h, Cerro de Paja, Carabobo, Venezuela, 10.18N,68.15W) © Peter Boesman.

2609 4 Rufous-and-white Wren 4 Song 0:29 *Thryothorus rufalbus* (27/5/1995 08:30h, Guatapar area, Carabobo, Venezuela, 10.13N,68.05W) © Peter Boesman.

2609 5 Rufous-and-white Wren 5 Song 0:59 *Thryothorus rufalbus cumanensis*. Reserva Los Besotes_Vereda Los Besotes (Cerro Los Besotes), municipio Valledupar, Cesar, Colombia, 360m, 10:19h, 22-05-2001, Song, Response to playback © Bernabe Lopez-Lanus.

2609 6 Rufous-and-white Wren 6 Call 0:24 *Thryothorus rufalbus* (5/3/1994, Caño Colorado, Monagas, Venezuela, 09.55N,62.55W) © Peter Boesman.

2609 7 Rufous-and-white Wren 7 Frog call 0:22 *Thryothorus rufalbus* (5/3/1994, Caño Colorado, Monagas, Venezuela, 09.55N,62.55W) © Peter Boesman.

2610 1 Niceforo's Wren 1 Song 1:10 *Thryophilus nicefori* (7th January 2010 16h00. Soata, Boyaca, Colombia, 6°20'16"N 72°40'37"W). © Peter Boesman.

2610 2 Niceforo's Wren 2 Song 0:31 *Thryophilus nicefori* (7th January 2010 16h00. Soata, Boyaca, Colombia, 6°20'16"N 72°40'37"W). © Peter Boesman.

2610 3 Niceforo's Wren 3 Song 2:20 *Thryothorus nicefori*. Barrio El Poblado (alrededores de San Gil), Vereda Buenos Aires, municipio San Gil, Santander, Colombia, 1100m, 09:00h, 03-07-2000, Song, Response to playback © Bernabe Lopez-Lanus.

2610 4 Niceforo's Wren 4 Call 0:53 *Thryothorus nicefori*. Parque Natural Gallineral, San Gil, Santander, Colombia, 10:30h, 02-08-2008, Call, in response to playback © Andrew Spencer.

2611 1 Stripe-throated Wren 1 Song 0:06 *Thryothorus leucopogon* (15/4/1995, Darien Cana, , Panama, 07.50N,77.40W) © Peter Boesman.

2611 2 Stripe-throated Wren 2 Song 0:24 *Thryothorus leucopogon*. Burbayar Lodge, Nusagandi, Panama, Panama, 400m, 09:00h, 06-12-2004, N9.20°0' W78.58°0", song, also: Chestnut-backed Antbird. © Nick Athanas.

2611 3 Stripe-throated Wren 3 Call 0:14 *Thryothorus leucopogon leucopogon*. Trail to the Rio Mira 4 km. west of Alto Tambo, Esmeraldas, Ecuador, 650m, 13:00h, 30-07-2011, N0.57°22' W78.32°54", call, natural vocalization; call from one of a pair. © Andrew Spencer.

2612 1 Bay Wren 1 song 0:36 *Thryothorus nigricapillus*, 15/06/1991, La Lupe, Nicaragua. 120 m. © Tom Will

2612 2 Bay Wren 2 short song 0:29 *Thryothorus nigricapillus*. (13th March 2010 9h00, La Selva biological station, Heredia, Costa Rica). (Background: Violaceous Trogon, Cocoa Woodcreeper, Barred Antshrike). © Peter Boesman.

2612 3 Bay Wren 3 call 0:16 *Thryothorus nigricapillus* (1/1/1993 11:40h, El Plastico, Heredia, Costa Rica, 10.20N,84.00W) © Gunter De Smet

2612 4 Bay Wren 4 call 0:08 *Thryothorus nigricapillus* (15/4/1995 16:00h, Cana, Darien, Panama, 07.50N,77.40W) © Peter Boesman

2614 1 Buff-breasted Wren 1 Song 0:21 *Thryothorus leucotis* (31/3/1994, Caño Colorado, Monagas, Venezuela, 09.55N,62.55W) © Peter Boesman.

2614 2 Buff-breasted Wren 2 Short song 0:29 *Thryothorus leucotis* (10/8/2002 08:00h, Canoabo area, Carabobo, Venezuela, 10.20N,68.18W) © Peter Boesman.

2614 3 Buff-breasted Wren 3 Short song 0:11 *Thryothorus leucotis* (17/11/1996 07:00h, Morrocoy NP, Falcon, Venezuela, 10.51N,68.18W) © Peter Boesman.

2614 4 Buff-breasted Wren 4 Short song 0:10 *Thryothorus leucotis* (28/12/1990, Lower Rio Caura area, Bolivar, Venezuela, 07.15N,65.00W) © Peter Boesman.

2614 5 Buff-breasted Wren 5 Scolding call and song 0:40 *Thryothorus leucotis* (4/8/2003 08:30h, Boca de Macareo, Delta Amac, Venezuela, 09.04N,62.03W) © Peter Boesman

2614 6 Buff-breasted Wren 6 Scolding call 0:21 *Thryothorus leucotis* (23/12/1997 09:30h, Canoabo area, Carabobo, Venezuela, 10.20N,68.18W) © Peter Boesman.

2614 7 Buff-breasted Wren 7 Call 0:09 *Thryothorus leucotis* (10/8/2002 07:30h, Canoabo area, Carabobo, Venezuela, 10.20N,68.18W) © Peter Boesman.

2614 8 Buff-breasted Wren 8 Call 0:14 *Thryothorus leucotis* (24/3/1997 11:00h, Lower Rio Caura area, Bolivar, Venezuela, 07.15N,65.00W) © Peter Boesman.

2614 9 Buff-breasted Wren 9 Call 0:35 *Thryothorus leucotis* (15/12/1996 07:00h, Tucupido Dam, Portuguesa, Venezuela, 09.00N,69.55W) © Peter Boesman.

2618 1 Rufous Wren 1 Song 0:10 *Cinnycerthia unirufa* (26/12/1993, Podocarpus Cajanuma, Loja, Ecuador, 04.20S,79.10W) © Peter Boesman

2618 2 Rufous Wren 2 Call 0:07 *Cinnycerthia unirufa*. (17-11-2001 07:00h, Yanacocha reserve, Pichincha, Ecuador, 3450m). Calls from two birds. (background: Undulated Antpitta). © Nick Athanas.

2618 3 Rufous Wren 3 Call 0:48 *Cinnycerthia unirufa unibrunnea*. Entre La Romelia y El Planchon (PNN Munchique), Charguayaco, Vereda La Romelia, Mpio El Tambo, Cauca, Colombia, 2300m, 12:41h, 29-09-2000, Call © Bernabe Lopez-Lanus.

2619 1 Sharpe's Wren 1 Song 0:22 *Cinnycerthia olivascens* (29th December 2009 6h15. R.N. Rio Blanco, Caldas, Colombia, 2600m, 5°5' N 75°30'W) .) © Peter Boesman.

2619 2 Sharpe's Wren 2 Song 0:27 *Cinnycerthia olivascens* (6th February 2011 7h00. Jardin, Antioquia, Colombia 6° 58' 03" N, 75° 31' 38" W). (Background: Striped Treehunter). © Peter Boesman.

2619 3 Sharpe's Wren 3 Song 0:53 *Cinnycerthia olivascens* (1st January 2010 14h00. P.N. Tatamá, Montezuma trail, near Pueblo Rico, Risaralda, Colombia, 1600m, 5°14'3"N 76° 52'1"W) .). (Background: Gray-breasted Wood Wren). © Peter Boesman.

2619 4 Sharpe's Wren 4 Song 0:21 *Cinnycerthia olivascens* (29th December 2009 6h15. R.N. Rio Blanco, Caldas, Colombia, 2600m, 5°5' N 75°30'W) .) © Peter Boesman.

2619 5 Sharpe's Wren 5 Song 0:11 *Cinnycerthia olivascens olivascens*. R.N. Rio Blanco, Caldas, Colombia, 2800m, 08:30h, 20-07-2008, N5.5°0' W75.30°0', song © Andrew Spencer.

2619 6 Sharpe's Wren 6 Call 0:09 *Cinnycerthia olivascens* (29th December 2009 6h15. R.N. Rio Blanco, Caldas, Colombia, 2600m, 5°5' N 75°30'W) .) © Peter Boesman.

2619 7 Sharpe's Wren 7 Call 0:14 *Cinnycerthia olivascens olivascens*. Finca Yerbabuena (sobre Toche), canon del rio Toche, Tolima, Colombia, 2400m, 17:13h, 22-06-1998, Alarm call © Bernabe Lopez-Lanus.

2622 1 White-breasted Wood-Wren 1 Song 0:21 *Henicorhina leucosticta* (15/12/1992 07:15h, El Placer, Esmeraldas, Ecuador, 00.50N,78.30W) © Peter Boesman

2622 2 White-breasted Wood-Wren 2 Song 0:32 *Henicorhina leucosticta* (17/4/1994, Rio Grande area, Bolivar, Venezuela, 08.03N,61.40W) © Peter Boesman.

2622 3 White-breasted Wood-Wren 3 Song 0:55 *Henicorhina leucosticta albilateralis*. Estacion La Pradera (parte alta), Municipio Don Matias, Antioquia, Colombia, 1550m, 11:00h, 19-06-2000, Song © Bernabe Lopez-Lanus.

2622 4 White-breasted Wood-Wren 4 Song 0:44 *Henicorhina leucosticta* (2nd February 2011 8h00. RNA El Paujil, Santander, Colombia, 310m, 6.259° N, 74.1541° W), © Peter Boesman.

2622 5 White-breasted Wood-Wren 5 Call 0:22 *Henicorhina leucosticta* (10/12/1999, Lower escalera, Bolivar, Venezuela, 06.00N,61.22W) © Mark Van Beirs

2622 6 White-breasted Wood-Wren 6 Call 0:18 *Henicorhina leucosticta* (30/10/1993, Lower Rio Caura area, Bolivar, Venezuela, 07.15N,65.00W) © Peter Boesman.

2624 1 Gray-breasted Wood-Wren 1 Song 0:26 *Henicorhina leucophrys* (13/8/2000 09:00h, Palmichal area, Carabobo, Venezuela, 10.21N,68.12W) © Peter Boesman

2624 2 Gray-breasted Wood-Wren 2 Song 0:08 *Henicorhina leucophrys* (6/8/2002 17:00h, Cerro Montalban, Carabobo, Venezuela, 10.15N,68.21W) © Peter Boesman.

2624 3 Gray-breasted Wood-Wren 3 Song 0:30 *Henicorhina leucophrys* (1st January 2010 14h00. P.N. Tatamá, Montezuma trail, near Pueblo Rico, Risaralda, Colombia, 1600m, 5°14'3"N 76° 52'1"W) .). (Background: Tawny-throated Leaf-tosser). © Peter Boesman.

2624 4 Gray-breasted Wood-Wren 4 Song 0:18 *Henicorhina leucophrys* (24/12/1996 07:00h, Upper Rio Chiquito road, Táchira, Venezuela, 07.24N,72.19W) © Peter Boesman.

2624 5 Gray-breasted Wood-Wren 5 Song 0:26 *Henicorhina leucophrys* (1st January 2010 13h30. P.N. Tatamá, Montezuma trail, near Pueblo Rico, Risaralda, Colombia, 1600m, 5°14'3"N 76° 52'1"W) .). © Peter Boesman.

2624 6 Gray-breasted Wood-Wren 6 Call 0:23 *Henicorhina leucophrys* (11/10/1992, Guaramacal NP, Trujillo, Venezuela, 09.10N,70.11W) © Peter Boesman.

2624 7 Gray-breasted Wood-Wren 7 Call 0:20 *Henicorhina leucophrys* (17/12/1996 09:00h, Páramo del Zumbador, Tachira, Venezuela, 08.00N,72.00W) © Peter Boesman.

2624 8 Gray-breasted Wood-Wren 8 Call 0:17 *Henicorhina leucophrys* (23/7/2000 10:00h, Dinira National Park, Lara, Venezuela, 09.42N,70.03W) © Peter Boesman.

2624 9 Gray-breasted Wood-Wren 9 Call 0:19 *Henicorhina leucophrys* (30th December 2009 9h00. R.N. Rio Blanco, Caldas, Colombia, 2600m, 5°5' N 75°30'W) .) © Peter Boesman.

2625 1 Munchique Wood-Wren 1 Song 1:14 *Henicorhina negreti* (8th February 2011 10h00. Road from Urrao to Carmen del Atrato, Antioquia, Colombia). © Peter Boesman.

2625 2 Munchique Wood-Wren 2 Song 1:52 *Henicorhina negreti* (8th February 2011 10h00. Road from Urrao to Carmen del Atrato, Antioquia, Colombia). © Peter Boesman.

2625 3 Munchique Wood-Wren 3 Song 0:57 *Henicorhina negreti*. Reserva Natural Cerro El Ingles, Choco, Colombia, 1900m, 10:10h, 30-07-2008, Song from a pair, recorded in light rain © Andrew Spencer.

2625 4 Munchique Wood-Wren 4 Song 0:29 *Henicorhina negreti*. RNA Mirabilis-Swarowski, NW of Popayán, Cauca, Colombia, 2400m, 09:00h, 04-03-2005, N2.32°0' W76.59°0', song, © Nick Athanas.

2625 5 Munchique Wood-Wren 5 Call 0:13 *Henicorhina negreti*. Entre La Romelia y El Planchon (PNN Munchique), Charguayaco, Vereda La Romelia, Mpio El Tambo, Cauca, Colombia, 2585m, amh, 29-09-2000, Natural alarm call © Bernabe Lopez-Lanus.

2625 6 Munchique Wood-Wren 6 Call 0:14 *Henicorhina negreti*. El Planchon (PNN Munchique), Charguayaco, Vereda La Romelia, Mpio El Tambo, Cauca, Colombia, 2450m, amh, 28-09-2000, Alarm call (male alone), Response after play back. © Bernabe Lopez-Lanus.

2625 7 Munchique Wood-Wren 7 Call 0:14 *Henicorhina negreti*. RNA Mirabilis-Swarowski, NW of Popayán, Cauca, Colombia, 2400m, 09:00h, 04-03-2005, N2.32°0' W76.59°0', call, © Nick Athanas.

2626 1 Chestnut-breasted Wren 1 Song 1:50 *Cyphorhinus thoracicus* (11th February 2011 9h00. || Santuario Otun-Quimbaya, Pereira, Tolima, Colombia). © Peter Boesman.

2626 2 Chestnut-breasted Wren 2 Song 1:08 *Cyphorhinus thoracicus* (11th February 2011 9h00. || Santuario Otun-Quimbaya, Pereira, Tolima, Colombia). © Peter Boesman.

2626 3 Chestnut-breasted Wren 3 Song 1:37 *Cyphorhinus thoracicus* (11th February 2011 9h00. || Santuario Otun-Quimbaya, Pereira, Tolima, Colombia). © Peter Boesman.

2626 4 Chestnut-breasted Wren 4 Song 0:57 *Cyphorhinus thoracicus dichrous*. El 18, Valle del Cauca, Colombia, 08:30h, 17-07-2008, song © Andrew Spencer.

2626 5 Chestnut-breasted Wren 5 Call 1:33 *Cyphorhinus thoracicus* (4/8/2008 09:30h, Pozuzo area, Pasco, Peru, 10.10S,75.30W) © Peter Boesman.

2627 1 Song Wren 1 song 0:23 *Cyphorhinus phaeocephalus* (8/9/1996, Pipeline road, Panamá, Panama,) © Dodge Engleman

2627 2 Song Wren 2 call 0:30 *Cyphorhinus phaeocephalus* (5/2/1993 14:22h, La Selva, Heredia, Costa Rica, 10.20N,84.00W) © Gunter De Smet

2628 1 Musician Wren 1 Song 1:42 *Cyphorhinus aradus* (16/2/2006 09:00h, Ministerio road, Napo, Ecuador, 01.00S,77.30W) © Peter Boesman

2628 2 Musician Wren 2 Song 1:11 *Cyphorhinus aradus* (26/7/2005 10:30h, Rio Cristalino Jungle Lodge, Mato Grosso, Brazil, 09.27S,55.54W) © Peter Boesman

2628 3 Musician Wren 3 Song 0:51 *Cyphorhinus aradus* (13/2/1994, Rio Grande area, Bolivar, Venezuela, 08.03N,61.40W) © Peter Boesman.

2628 4 Musician Wren 4 Song 0:30 *Cyphorhinus aradus* (23/7/2002 09:30h, Rio Grande area, Bolivar, Venezuela, 08.03N,61.40W) © Peter Boesman.

2628 5 Musician Wren 5 Call 0:28 *Cyphorhinus arada salvini*. (Wildsumaco, 5km NW Guagua Sumaco, Napo, Ecuador, 1300m, 11:00h, 27-01-2011, S0.41°14' W77.35°57") .) © Andrew Spencer.

2629 1 Collared Gnatwren 1 Song 1:16 *Microbatas collaris* (25/7/2006 16:00h, Iracema falls, Presidente Figueiredo, Amazonas, Brazil, 02.00S,60.00W) © Peter Boesman

2629 2 Collared Gnatwren 2 Song 0:27 *Microbatas collaris*. (6km east of Pres. Figueiredo, AM, Brazil, 150m, 14:30h, 03-02-2006, S2.35° W59.58°14"). Single bird moving with mixed understorey flock. (Background: Cinereous Antshrike, Dusky-throated Antshrike, Screaming Piha). © Nick Athanas

2629 3 Collared Gnatwren 3 Chatter 1:07 *Microbatas collaris* (25/7/2006 16:00h, Iracema falls, Presidente Figueiredo, Amazonas, Brazil, 02.00S,60.00W) © Peter Boesman

2629 4 Collared Gnatwren 4 Call 0:35 *Microbatas collaris*. (Mont Itoupé, French Guiana, 650m, 04-10-2010). Alarm call. (Background: Screaming Piha) © Alexandre Renaudier.

2630 1 Half-collared Gnatwren 1 Song 0:34 *Microbatas cinereiventris cinereiventris*. Trail to the Rio Mira 4 km. west of Alto Tambo, Esmeraldas, Ecuador, 450m, 08:20h, 20-01-2008, song © Andrew Spencer.

2630 2 Half-collared Gnatwren 2 Call 0:12 *Microbatas cinereiventris*. Finca Cuatro Rios, San Miguel de Los Bancos, Pichincha, Ecuador, 800m, 08:30h, 19-12-2000, N0.4°27' W78.58°54", call. also: Chestnut-backed Antbird, Black-headed Antthrush, Orange-billed Sparrow, © Nick Athanas.

2631 1 Long-billed Gnatwren 1 Song E 0:21 *Ramphocaenus melanurus* (3/11/1993, Lower Rio Caura area, Bolivar, Venezuela, 07.15N,65.00W) © Peter Boesman

2631 2 Long-billed Gnatwren 2 Song E 0:22 *Ramphocaenus melanurus* (10/2/1997 07:00h, Morrocoy NP, Falcon, Venezuela, 10.51N,68.18W) © Peter Boesman

2631 3 Long-billed Gnatwren 3 Song E 0:23 *Ramphocaenus melanurus* (31/3/1994, Caño Colorado, Monagas, Venezuela, 09.55N,62.55W) © Peter Boesman.

2631 4 Long-billed Gnatwren 4 Song E 0:16 *Ramphocaenus melanurus* (31/7/2002 07:00h, El Paujil road, Bolivar, Venezuela, 04.36N,61.30W) © Peter Boesman.

2631 5 Long-billed Gnatwren 5 Song W 0:20 *Ramphocaenus melanurus griseodorsalis*. El 18, Valle del Cauca, Colombia, 09:00h, 17-07-2008, song © Andrew Spencer.

2631 6 Long-billed Gnatwren 6 Song W 0:33 *Ramphocaenus melanurus griseodorsalis*. El 18, Valle del Cauca, Colombia, 09:00h, 17-07-2008, song © Andrew Spencer

2631 7 Long-billed Gnatwren 7 Call and song 0:48 *Ramphocaenus melanurus* (20/1/2005 09:00h, Carajás, Aguas Claras area, Pará, Brazil, 06.00S,50.30W) © Peter Boesman

2631 8 Long-billed Gnatwren 8 Call 0:40 *Ramphocaenus melanurus* (March 2009, Orinoquia Lodge, Amazonas, Venezuela) © Hans Matheve.

2632 1 Tropical Gnatcatcher 1 Song 0:23 *Polioptila plumbea* (23/4/1995 08:30h, Guataparo area, Carabobo, Venezuela, 10.13N,68.05W) © Peter Boesman.

2632 2 Tropical Gnatcatcher 2 Song 0:34 *Polioptila plumbea* (14/5/1995 06:30h, Guataparo area, Carabobo, Venezuela, 10.13N,68.05W) © Peter Boesman.

2632 3 Tropical Gnatcatcher 3 Song 0:14 Polioptila plumbea (22/5/1994 , Caño Colorado, Monagas, Venezuela, 09.55N,62.55W) © Peter Boesman.

2632 4 Tropical Gnatcatcher 4 Song 0:38 Polioptila plumbea (28/7/2003 07:00h, Peninsula de Araya, Sucre, Venezuela, 10.40N,63.42W) © Peter Boesman.

2632 5 Tropical Gnatcatcher 5 Song 0:15 Polioptila plumbea (8/8/2003 08:15h, Villa Lola area, Bolivar, Venezuela, 07.55N,62.00W) © Peter Boesman.

2632 6 Tropical Gnatcatcher 6 Call 0:13 Polioptila plumbea (28/7/2003 07:00h, Peninsula de Araya, Sucre, Venezuela, 10.40N,63.42W) © Peter Boesman.

2632 7 Tropical Gnatcatcher 7 Call 0:03 Polioptila plumbea (17/11/1996 07:00h, Morrocoy NP, Falcon, Venezuela, 10.51N,68.18W) © Peter Boesman.

2634 1 Guianan Gnatcatcher 1 Call () 0:27 Polioptila guianensis. (Serra de Carajás, PA, Brazil, 670m, 13:45h, 22-01-2006, S6.937° W50.20'45"), Calls from 2-3 indiv foraging with mixed flock. (Background: Blackish Pewee, Screaming Piha, Dwarf Tyrant-Manakin, Slate-colored Grosbeak © Nick Athanas.

2636 1 Slate-throated Gnatcatcher 1 Song 0:31 Polioptila schistaceigula. Rio Silanche, Pedro Vicente Maldonado, Pichincha, Ecuador, 450m, 11:50h, 21-07-2010, N0.8'35" W79.8'0", song?, rapid, descending vocalizations that seemed to function as song © Andrew Spencer.

2636 2 Slate-throated Gnatcatcher 2 Call 0:16 Polioptila schistaceigula. Rio Silanche, Pedro Vicente Maldonado, Pichincha, Ecuador, 450m, 11:50h, 21-07-2010, N0.8'35" W79.8'0", calls, various call types in this cut © Andrew Spencer.

2638 1 Black-capped Donacobius 1 Song 0:41 Donacobius atricapilla (28th July 2010 17h30, Cumaceba lodge, Loreto, Peru, 3°38' S, 73°08' W). © Peter Boesman.

2638 2 Black-capped Donacobius 2 Song 0:42 Donacobius atricapilla (23/4/1995 08:00h, Guataparo area, Carabobo, Venezuela, 10.13N,68.05W) © Peter Boesman

2638 3 Black-capped Donacobius 3 Song 0:09 Donacobius atricapilla (10/11/1996 07:00h, San Pablo marsh, Carabobo, Venezuela, 10.31N,68.22W) © Peter Boesman.

2638 4 Black-capped Donacobius 4 Song 0:14 Donacobius atricapilla (28/7/2005, Transpantaneira, Mato Grosso, Brazil, 17.00S,57.00W) © Peter Boesman

2638 5 Black-capped Donacobius 5 Song 0:44 Donacobius atricapilla (1/8/2005 08:30h, Pantanal, Pixaim area, Mato Grosso, Brazil, 16.40S,56.50W) © Peter Boesman

2638 6 Black-capped Donacobius 6 Call 0:14 Donacobius atricapilla (28th July 2010 17h30, Cumaceba lodge, Loreto, Peru, 3°38' S, 73°08' W). © Peter Boesman.

2638 7 Black-capped Donacobius 7 Call 0:16 Donacobius atricapilla (2/2/1994 , Caño Colorado, Monagas, Venezuela, 09.55N,62.55W) © Peter Boesman

2638 8 Black-capped Donacobius 8 Call 0:46 Donacobius atricapilla (6/11/1994 07:00h, Caño Colorado, Monagas, Venezuela, 09.55N,62.55W) © Peter Boesman.

2639 1 White-capped Dipper 1 Call 0:24 Cinclus leucocephalus. Nono-Mindo Road, Pichincha, Ecuador, 2000m, 17:00h, 18-07-2010, S0.114° W78.41'24", Extremely heavy water noise partially filtered out. © Andrew Spencer.

2641 1 Cedar Waxwing 1 Call () 0:12 Bombycilla cedrorum (14/3/2001 09:30h, Pluma Hidalgo, Oaxaca, Mexico, 16.05N,96.24W) © Peter Boesman.

2642 1 Varied Solitaire 1 Song 0:27 Myadestes coloratus (15/4/1995 16:00h, Darien Cana, , Panama, 07.50N,77.40W) © Peter Boesman.

2643 1 Andean Solitaire 1 Song 0:57 Myadestes ralloides (February 2009, Yacambu NP, Lara, Venezuela, 09.43N,69.35W) © Hans Matheue.

2643 2 Andean Solitaire 2 Song 0:22 Myadestes ralloides (12/2/2006 18:00h, San Isidro lodge, Napo, Ecuador, 00.40S,77.55W) © Peter Boesman

2643 3 Andean Solitaire 3 Calls 1:42 Myadestes ralloides. RNA Las Tangaras, Choco, Colombia, 1800m, 09:30h, 24-06-2011, N5.43'44" W76.14'38", begging call and alarm call, natural vocalization; begging call from a juvenile barely able to fly, but out of the nest. © Andrew Spencer.

2644 1 Orange-billed Nightingale-Thrush 1 Song 0:21 Catharus aurantiirostris (15/5/1993 , Yacambu NP, Lara, Venezuela, 09.43N,69.35W) © Peter Boesman.

2644 2 Orange-billed Nightingale-Thrush 2 Song 0:22 Catharus aurantiirostris (4/7/1996 12:00h, Yacambu NP, Lara, Venezuela, 09.43N,69.35W) © Peter Boesman.

2644 3 Orange-billed Nightingale-Thrush 3 Song 0:58 Catharus aurantiirostris (2/8/2003 07:30h, Hacienda San Fernando, Caripe, , Monagas, Venezuela, 10.11N,63.30W) © Peter Boesman.

2644 4 Orange-billed Nightingale-Thrush 4 Song 0:35 Catharus aurantiirostris aurantiirostris. RNA Homiguero de Torcoroma, Ocaña, Norte de Santander, Colombia, 1600m, 10:20h, 03-08-2008, N8.12'11" W73.22'47", song © Andrew Spencer.

2644 5 Orange-billed Nightingale-Thrush 5 Song 1:21 Catharus aurantiirostris insignis. San Agustín, Huila, Colombia, 1700m, 09:10h, 26-06-2010, Song © Andrew Spencer.

2644 6 Orange-billed Nightingale-Thrush 6 Song 0:28 Catharus aurantiirostris sierrae. San Lorenzo road, Santa Marta mountains, Magdalena, Colombia, 1200m, 15:04h, 08-12-2007, Song, also: House Wren © Nick Athanas.

2645 1 Slaty-backed Nightingale-Thrush 1 Song 0:13 Catharus fuscater (31/7/2000 06:00h, El Morro - Aricagua road, Merida, Venezuela, 08.17N,71.09W) © Peter Boesman

2645 2 Slaty-backed Nightingale-Thrush 2 Song 0:15 Catharus fuscater (11/10/1992 , Guaramacal NP, Trujillo, Venezuela, 09.10N,70.11W) © Peter Boesman.

2645 3 Slaty-backed Nightingale-Thrush 3 Song 0:38 Catharus fuscater (21/12/1997 07:00h, Yacambu NP, Lara, Venezuela, 09.43N,69.35W) © Peter Boesman.

2645 4 Slaty-backed Nightingale-Thrush 4 Song 0:23 Catharus fuscater (21/12/1997 07:00h, Yacambu NP, Lara, Venezuela, 09.43N,69.35W) © Peter Boesman.

2645 5 Slaty-backed Nightingale-Thrush 5 Song 0:21 Catharus fuscater sanctaemartae. Sector minado en las antenas (PNN Sierra Nevada de Santa Marta), Vereda San Lorenzo, Mpio San Lorenzo, Magdalena, Colombia, 2600m, pmh, 03-11-2000, Trisyllabic sound, Response to playback © Bernabe Lopez-Lanus.

2645 6 Slaty-backed Nightingale-Thrush 6 Song 0:31 Catharus fuscater (15/4/1995 07:00h, Darien Cana, , Panama, 07.50N,77.40W) © Peter Boesman.

2645 7 Slaty-backed Nightingale-Thrush 7 Call 0:11 Catharus fuscater (21/12/1996 17:00h, Matamula area, Tachira, Venezuela, 07.42N,72.26W) © Peter Boesman.

2645 8 Slaty-backed Nightingale-Thrush 8 Call 0:11 Catharus fuscater (31/1/1994 05:45h, Santa Marta Lorenzo road, Magdalena, Colombia, 11.00N,73.40W) © Peter Boesman

2645 9 Slaty-backed Nightingale-Thrush 9 Call 0:14 Catharus fuscater (29/12/1997 07:00h, Guaramacal NP, Trujillo, Venezuela, 09.10N,70.11W) © Peter Boesman

2646 1 Spotted Nightingale-Thrush 1 Song 0:19 Catharus dryas (26/7/2000 06:00h, Finca Monteverde at Olinda II, Merida, Venezuela, 08.45N,71.28W) © Peter Boesman

2646 2 Spotted Nightingale-Thrush 2 Song 0:19 Catharus dryas (28/12/1994 07:15h, Tablas Monte, Cochabamba, Bolivia, 17.09S,65.54W) © Peter Boesman

2647 1 Veery 1 Call 0:42 Catharus fuscescens fuscescens. (Cummington, Hampshire Co., Massachusetts, United States, 14:00h, 21-06-2008). © Andrew Spencer.

2647 2 Veery 2 Call 0:17 Catharus fuscescens fuscescens. (Cummington, Hampshire Co., Massachusetts, United States, 14:00h, 21-06-2008). One alarm call followed by more typical calls. © Andrew Spencer.

2648 1 Gray-cheeked Thrush 1 song 2:29 Catharus minimus. (Safety Lagoon Rd, Nome, AK, USA, 5m, 23:40h, 13-06-1999, N64.28'9" W165.10'4"). Perched about 1.5m up in Salix, in crowns. Salix scrub at beach edge. Natural song. © Daniel Lane.

2648 2 Gray-cheeked Thrush 2 call 0:39 Catharus minimus. (Safety Lagoon Rd, Nome, AK, USA, 5m, 23:50h, 13-06-1999, N64.28'9" W165.10'4"). Response to playback of C. bicknelli and C. minimus (it responded aggressively to both recordings!). © Daniel Lane.

2649 1 Swainson's Thrush 1 Song 0:38 Catharus ustulatus (11/4/2003 10:30h, Bonampak, Chiapas, Mexico, 16.42N,91.05W) © Peter Boesman

2649 2 Swainson's Thrush 2 Song 0:42 Catharus ustulatus (20/2/2006 17:00h, San Isidro lodge, Napo, Ecuador, 00.40S,77.55W) © Peter Boesman

2649 3 Swainson's Thrush 3 Call 0:25 Catharus ustulatus (20/2/2006 17:00h, San Isidro lodge, Napo, Ecuador, 00.40S,77.55W) © Peter Boesman

2649 4 Swainson's Thrush 4 Call 0:24 Catharus ustulatus (30/12/2007 16:15h, Abra Patricia road, San Martín, Peru, 05.50S,77.46W) © Peter Boesman

2649 5 Swainson's Thrush 5 Call 0:21 Catharus ustulatus (28th December 2009 6h15. La Victoria, Cundinamarca, Colombia, 5°19'55 N 74°55'12"W). © Peter Boesman.

2650 1 Wood Thrush 1 song 0:14 Catharus mustelinus (15/4/1999 07:00h, Devil Den's SP, AR, , USA,) © Peter Boesman

2650 2 Wood Thrush 2 call 0:48 Catharus mustelinus. (14th March 2010 06h30, La Selva biological station, Heredia, Costa Rica). (Background: Bright-rumped Attila, Eye-ringed Flatbill). © Peter Boesman.

2650 3 Wood Thrush 3 call 0:56 Catharus mustelinus (10/4/2003 18:15h, Bonampak, Chiapas, Mexico, 16.42N,91.05W) © Peter Boesman

2650 4 Wood Thrush 4 call 0:47 Catharus mustelinus (10/4/2003 18:15h, Bonampak, Chiapas, Mexico, 16.42N,91.05W) © Peter Boesman

2650 5 Wood Thrush 5 call 0:25 Catharus mustelinus. (26th March 2010 08h30, Las Heliconias Lodge, 800m elev., Alajuela, Costa Rica). © Peter Boesman.

2650 6 Wood Thrush 6 alarm call 0:17 Catharus mustelinus. (13th March 2010 16h15, La Selva biological station, Heredia, Costa Rica). Calls of a bird trapped in a mistnet by research students. © Peter Boesman.

2651 1 Black Solitaire 1 Song 0:05 Entomodestes coracinus. Road to San Jose del Palmar, Serrania de las Paraguas, Choco, Colombia, 1750m, 06:10h, 31-07-2008, Song, also: Yellow-breasted Antpitta © Andrew Spencer.

2651 2 Black Solitaire 2 Call 0:36 Entomodestes coracinus. Road to San Jose del Palmar, Serrania de las Paraguas, Choco, Colombia, 1750m, 06:35h, 31-07-2008, N4.50'28" W76.12'55", call, also: Indigo Flowerpiercer © Andrew Spencer.

2653 1 Rufous-brown Solitaire 1 Song 0:57 Cichlopsis leucogenys leucogenys. (RPPN Serra Bonita, Camacan, BA, Brazil, 658m, 13:00h, 06-02-2010, S15.23'6" W39.34'15"). © Ciro Albano.

2653 2 Rufous-brown Solitaire 2 Song 3:28 Cichlopsis leucogenys chubbi. (Mashpi Road, Pichincha , Ecuador, 1200m, 17:00h, 01-11-2010, N0.9'40" W78.50'57"). (Background: Andean Solitaire). © Andrew Spencer.

2653 3 Rufous-brown Solitaire 3 Call 0:02 Cichlopsis leucogenys leucogenys. (Boa Nova wet forest, Bahia , Brazil, 825m, 09:38h, 30-07-2009, S14.25'6" W40.74'1"). © Ciro Albano.

2654 1 Pale-eyed Thrush 1 Song 1:03 Platycichla leucops (21/2/2006 06:00h, San Isidro lodge, Napo, Ecuador, 00.40S,77.55W) © Peter Boesman

2654 2 Pale-eyed Thrush 2 Song 0:29 Platycichla leucops (22/2/2006 06:00h, San Isidro lodge, Napo, Ecuador, 00.40S,77.55W) © Peter Boesman

2654 3 Pale-eyed Thrush 3 Song 2:59 Platycichla leucops. El 18, Valle del Cauca, Colombia, 1800m, 11:00h, 22-06-2010, N3.29'7" W76.37'4", song © Andrew Spencer.

2657 1 Yellow-legged Thrush 1 Song 0:32 Platycichla flavipes (29/4/1995 07:45h, Serrania de San Luis, Falcon, Venezuela, 11.12N,69.42W) © Peter Boesman.

2657 2 Yellow-legged Thrush 2 Song 0:46 *Platycichla flavipes* (15/5/1993, Yacambu NP, Lara, Venezuela, 09.43N,69.35W) © Peter Boesman.

2657 3 Yellow-legged Thrush 3 Song 0:41 *Platycichla flavipes* (9/3/1997 09:30h, Yacambu NP, Lara, Venezuela, 09.43N,69.35W) © Peter Boesman.

2657 4 Yellow-legged Thrush 4 Song and subsong 0:51 *Platycichla flavipes* (1st February 2011 9h00, RNA Reinita Cielo Azul, San Vicente de Chucurí, Santander, Colombia, 1800m, N.50°47' N, 73.22°30' W), © Peter Boesman.

2657 5 Yellow-legged Thrush 5 Song 0:44 *Turdus flavipes venezuelensis*. RNA Hormiguero de Torcoroma, Ocaña, Norte de Santander, Colombia, 1600m, 06:30h, 03-08-2008, N8.12°11' W73.22°47", song © Andrew Spencer.

2657 6 Yellow-legged Thrush 6 Call 0:30 *Platycichla flavipes* (26/7/2000 12:00h, Finca Monteverde at Olinda II, Merida, Venezuela, 08.45N,71.28W) © Peter Boesman.

2657 7 Yellow-legged Thrush 7 Call 0:09 *Platycichla flavipes* (30/7/2004 09:00h, Itatiaia National Park, Rio de Janeiro, Brazil, 22.25S,44.35W) © Peter Boesman.

2658 1 Pale-breasted Thrush 1 Song 0:25 *Turdus leucomelas* (11/6/1995 05:45h, Palmichal area, Carabobo, Venezuela, 10.21N,68.12W) © Peter Boesman

2658 2 Pale-breasted Thrush 2 Song 0:10 *Turdus leucomelas* (28/3/1997 06:30h, Samariapo road, Amazonas, Venezuela, 05.15N,67.48W) © Peter Boesman.

2658 3 Pale-breasted Thrush 3 Call 0:10 *Turdus leucomelas* (25/3/1995 17:00h, Rancho Grande area, Aragua, Venezuela, 10.21N,67.42W) © Peter Boesman.

2658 4 Pale-breasted Thrush 4 Call 0:18 *Turdus leucomelas* (11/6/1995 07:15h, Cariaprima Guataparó hill, Carabobo, Venezuela, 10.15N,68.08W) © Peter Boesman.

2658 5 Pale-breasted Thrush 5 Call 0:24 *Turdus leucomelas* (6/8/2003 18:00h, Villa Lola area, Bolívar, Venezuela, 07.55N,62.00W) © Peter Boesman.

2658 6 Pale-breasted Thrush 6 Call 0:11 *Turdus leucomelas* (1st February 2011 8h00, RNA Reinita Cielo Azul, San Vicente de Chucurí, Santander, Colombia, 1800m, N.50°47' N, 73.22°30' W), © Peter Boesman.

2658 7 Pale-breasted Thrush 7 Call 0:34 *Turdus leucomelas* (19/1/1997 18:00h, Casa Maria, Carabobo, Venezuela, 10.19N,68.15W) © Peter Boesman.

2659 1 Cocoa Thrush 1 Song 0:41 *Turdus fumigatus* (29/7/2003, Balneario Subucual, Sucre, Venezuela, 10.33N,63.06W) © Peter Boesman

2659 2 Cocoa Thrush 2 Song 0:23 *Turdus fumigatus* (22/5/1994, Caño Colorado, Monagas, Venezuela, 09.55N,62.55W) © Peter Boesman.

2659 3 Cocoa Thrush 3 Song 0:30 *Turdus fumigatus* (21/12/1996 06:00h, San Juan de Colon, Tachira, Venezuela, 08.05N,72.16W) © Peter Boesman.

2659 4 Cocoa Thrush 4 Call 0:09 *Turdus fumigatus* (22/5/1994, Caño Colorado, Monagas, Venezuela, 09.55N,62.55W) © Peter Boesman.

2659 5 Cocoa Thrush 5 Call 0:13 *Turdus fumigatus* (22/5/1994, Caño Colorado, Monagas, Venezuela, 09.55N,62.55W) © Peter Boesman.

2660 1 Hauxwell's Thrush 1 Song 0:57 *Turdus hauxwelli*. (17-09-2008 17:45h, San Pedro, Manu Road, Cusco, Peru, 1400m., S13.3°0' W71.33°23'"). (Background: Blue-gray Tanager). © David Geale.

2660 2 Hauxwell's Thrush 2 Song 0:29 *Turdus hauxwelli* (10/8/2003, Rio Cristalino Jungle Lodge, Mato Grosso, Brazil, 09.27S,55.54W) © Mark Van Beirs

2661 1 Pale-vented Thrush 1 Song 0:20 *Turdus obsoletus* (2/5/1997, Fortuna area, Panama,) © Dodge Engleman.

2661 2 Pale-vented Thrush 2 Song 0:58 *Turdus obsoletus*. (16th March 2010 15h35, Tapanti NP, 1200m elev., Cartago, Costa Rica). © Peter Boesman.

2661 4 Pale-vented Thrush 4 Call 0:53 *Turdus obsoletus*. (17th March 2010 06h15, Tapanti NP, 1200m elev., Cartago, Costa Rica). © Peter Boesman.

2661 5 Pale-vented Thrush 5 call 0:53 *Turdus obsoletus*. (17th March 2010 06h15, Tapanti NP, 1200m elev., Cartago, Costa Rica). © Peter Boesman.

2661 6 Pale-vented Thrush 6 call 0:18 *Turdus obsoletus*. (16th March 2010 08h40, Tapanti NP, 1250m elev., Cartago, Costa Rica). © Peter Boesman.

2663 1 Clay-colored Thrush 1 song 0:52 *Turdus grayi*. (19th March 2010 16h00, Esquinas lodge, elev. 100m, Piedras Blancas NP, Puntarenas, Costa Rica). © Peter Boesman.

2663 2 Clay-colored Thrush 2 song 0:23 *Turdus grayi*. (16th March 2010 15h00, entrance road to Tapanti NP, 1200m elev., Cartago, Costa Rica). © Peter Boesman.

2663 3 Clay-colored Thrush 3 song 0:57 *Turdus grayi*. (16th March 2010 15h00, area around Kiri lodge near Tapanti NP, 1200m elev., Cartago, Costa Rica). (Background: Rufous-collared Sparrow). © Peter Boesman.

2663 4 Clay-colored Thrush 4 call 0:46 *Turdus grayi*. (21st March 2010 11h00, Esquinas lodge, 100m elev., Piedras Blancas NP, Puntarenas, Costa Rica). (Background: Cocoa Woodcreeper). © Peter Boesman.

2663 5 Clay-colored Thrush 5 call 0:12 *Turdus grayi*. (22nd March 2010 17h55, Carara NP area, 10m elev., Puntarenas, Costa Rica). (Background: Great Kiskadee). © Peter Boesman.

2663 6 Clay-colored Thrush 6 call 0:50 *Turdus grayi*. (16th March 2010 11h10, area around Kiri lodge near Tapanti NP, 1200m elev., Cartago, Costa Rica). (Background: Rufous-collared Sparrow). © Peter Boesman.

2663 7 Clay-colored Thrush 7 call 0:42 *Turdus grayi*. (13th March 2010 17h00, La Selva biological station, Heredia, Costa Rica). (Background: Chestnut-mandibler Toucan, Cocoa Woodcreeper, Bright-rumped Attila). © Peter Boesman.

2663 8 Clay-colored Thrush 8 call 0:30 *Turdus grayi*. (21st March 2010 11h20, Esquinas lodge, 100m elev., Piedras Blancas NP, Puntarenas, Costa Rica). (Background: Short-billed Pigeon). © Peter Boesman.

2664 1 Spectacled Thrush 1 Song 0:29 *Turdus nudigenis* (22/7/2003, Casa Maria, Carabobo, Venezuela, 10.19N,68.15W) © Peter Boesman

2664 2 Spectacled Thrush 2 Song 0:26 *Turdus nudigenis* (3/8/2003 17:00h, Boca de Macareo, Delta Amac, Venezuela, 09.04N,62.03W) © Peter Boesman.

2664 3 Spectacled Thrush 3 Song 0:55 *Turdus nudigenis* (30/7/2003 16:30h, Balneario Subucual, Sucre, Venezuela, 10.33N,63.06W) © Peter Boesman.

2664 4 Spectacled Thrush 4 Call 0:24 *Turdus nudigenis* (27/5/1995 08:00h, Guataparó area, Carabobo, Venezuela, 10.13N,68.05W) © Peter Boesman.

2664 5 Spectacled Thrush 5 Call 0:51 *Turdus nudigenis nudigenis*. Finca La Pradera, Parroquia Remolinos, Municipio Puerto Lopez, Meta, Colombia, 400m, 17:38h, 17-04-2000, © Bernabe Lopez-Lanus.

2665 1 Ecuadorian Thrush 1 Song 0:31 *Turdus maculirostris*. Pindal, Loja, Ecuador, 1200m, 12:00h, 03-01-2002, S4.5°0' W80.0°36", song. also: Thick-billed Euphonia, Boat-billed Flycatcher © Nick Athanas.

2665 2 Ecuadorian Thrush 2 Call 0:15 *Turdus maculirostris* (30/12/1993 07:15h, Machalilla NP, Manabí, Ecuador, 01.28S,80.45W) © Peter Boesman.

2667 1 Lawrence's Thrush 1 Song 1:01 *Turdus lawrencii* (18/2/2006 08:30h, Gareno Lodge, Napo, Ecuador, 01.05S,77.35W) © Peter Boesman

2667 2 Lawrence's Thrush 2 Song 0:55 *Turdus lawrencii* (1/11/2001, Rio Cristalino Jungle Lodge, Mato Grosso, Brazil, 09.27S,55.54W) © Mark Van Beirs

2667 3 Lawrence's Thrush 3 Song 0:58 *Turdus lawrencii*. (Yasuni Research Station, Parque Nacional Yasuni, Orellana, Ecuador, 280m, 17:00h, 07-01-2008, S0.40°27' W76.23°52"). © Andrew Spencer.

2669 1 Black-billed Thrush 1 Song 1:03 *Turdus ignobilis* (10/3/1998 18:55h, El Tao, Merida, Venezuela, 08.41N,71.26W) © Chris Sharpe

2669 2 Black-billed Thrush 2 Song 1:03 *Turdus ignobilis* (3/1/2008 05:50h, Tarapoto, San Martin, Peru, 06.30S,76.20W) © Peter Boesman

2669 3 Black-billed Thrush 3 Call 0:09 *Turdus ignobilis* (27/7/2002 08:00h, Upper escalera, Bolívar, Venezuela, 05.58N,61.24W) © Peter Boesman

2671 1 Chestnut-bellied Thrush 1 Song 0:33 *Turdus fulviventris* (18/12/1991 06:50h, Cordillera de Guacamayos, Napo, Ecuador, 00.37S,77.49W) © Niels Krabbe.

2671 2 Chestnut-bellied Thrush 2 Call 0:41 *Turdus fulviventris* (February 2009, Pico Humboldt trail, Merida, Venezuela) © Hans Matheve

2672 1 Black-hooded Thrush 1 Song 0:30 *Turdus olivater* (30/4/1995, Serranía de San Luis, Falcon, Venezuela, 11.12N,69.42W) © Peter Boesman

2672 2 Black-hooded Thrush 2 Song 1:06 *Turdus olivater* (15/5/1993, Yacambu NP, Lara, Venezuela, 09.43N,69.35W) © Peter Boesman.

2672 3 Black-hooded Thrush 3 Song 1:08 *Turdus olivater* (March 2009, La Escalera, Bolívar, Venezuela) © Hans Matheve.

2672 4 Black-hooded Thrush 4 Call 0:24 *Turdus olivater* (29/4/1995 07:15h, Serranía de San Luis, Falcon, Venezuela, 11.12N,69.42W) © Peter Boesman.

2674 1 Great Thrush 1 Song 1:38 *Turdus fuscater* (10/8/2007 06:00h, Los Frailes area, Merida, Venezuela, 08.50N,70.48W). Song at dawn. © Peter Boesman

2674 2 Great Thrush 2 Song 0:34 *Turdus fuscater* (10/8/2007 06:30h, Los Frailes area, Merida, Venezuela, 08.50N,70.48W) © Peter Boesman

2674 3 Great Thrush 3 Call 0:19 *Turdus fuscater* (20/4/1997 18:00h, Laguna Mucubajji area, Merida, Venezuela, 08.48N,70.49W) © Peter Boesman

2674 4 Great Thrush 4 Call 0:19 *Turdus fuscater* (26/12/2007 06:30h, Abra Porculla, Piura, Peru, 05.50S,79.30W) © Peter Boesman

2674 5 Great Thrush 5 Call flight 0:10 *Turdus fuscater* (6th February 2011 6h30, Jardín, Antioquia, Colombia 6° 58' 03" N, 75° 31' 38" W). © Peter Boesman.

2674 6 Great Thrush 6 Call flight 0:06 *Turdus fuscater quindio*. Finca Indostan, sobre Vereda La Cascada, Anzoategui, Tolima, Colombia, 3500m, 07:00h, 12-08-1999, Call © Bernabe Lopez-Lanus.

2676 1 Glossy-black Thrush 1 Song 0:46 *Turdus serranus* (7/6/1992, Colonia Tovar area, Aragua, Venezuela, 10.24N,67.20W) © Peter Boesman.

2676 2 Glossy-black Thrush 2 Song 0:43 *Turdus serranus* (8/3/1997 09:00h, Yacambu NP, Lara, Venezuela, 09.43N,69.35W) © Peter Boesman.

2676 3 Glossy-black Thrush 3 Song 0:28 *Turdus serranus* (19/4/1997 07:30h, Pico Humboldt trail, Merida, Venezuela, 08.36N,71.05W) © Peter Boesman.

2677 1 White-throated Thrush 1 song 0:20 *Turdus assimilis* (29/3/2002 18:00h, Cerro de San Juan, Nayarit, Mexico, 21.25N,104.55W) © Peter Boesman

2677 2 White-throated Thrush 2 call 0:07 *Turdus assimilis* (30/3/2002 06:30h, Cerro de San Juan, Nayarit, Mexico, 21.25N,104.55W) © Peter Boesman

2677 3 White-throated Thrush 3 call 0:11 *Turdus albicollis* (4/6/2000 14:00h, Rancho El Cielo, Tamaulipas, Mexico, 23.10N,99.15W) © Peter Boesman

2677 4 White-throated Thrush 4 call 0:24 *Turdus assimilis* (6/4/2002 07:00h, Cerro de San Juan, Nayarit, Mexico, 21.25N,104.55W) © Peter Boesman

2677 5 White-throated Thrush 5 call 0:13 *Turdus assimilis* (3/6/2000 16:00h, Rancho Cielito, Tamaulipas, Mexico, 23.10N,99.10W) © Peter Boesman

2677 6 White-throated Thrush 6 call 0:06 *Turdus albicollis* (4/6/2000 09:00h, Rancho Cielito, Tamaulipas, Mexico, 23.10N,99.10W) © Peter Boesman

2678 1 White-necked Thrush 1 Song 0:16 *Turdus albicollis* (6/5/1997 06:30h, Montalban La Rosa Mountains, Carabobo, Venezuela, 10.15N,68.18W) © Peter Boesman

2678 2 White-necked Thrush 2 Song 0:28 *Turdus albicollis*. (25-03-2002 14:00h, Yarina Lodge, Rio Napo, Orellana, Ecuador, 250m). © Nick Athanas.

2678 3 White-necked Thrush 3 Call 0:21 *Turdus albicollis* (14/1/1995 09:00h, Caño Colorado, Monagas, Venezuela, 09.55N,62.55W) © Peter Boesman.

2678 4 White-necked Thrush 4 Call 0:10 *Turdus albicollis* (4/6/1995 10:15h, Palmichal area, Carabobo, Venezuela, 10.21N,68.12W) © Peter Boesman.

2679 1 Gray Catbird 1 call 0:03 *Dumetella carolinensis* (18/3/2001 10:00h, Uxpanapa road, Vera Cruz, Mexico, 17.08N,94.55W) © Peter Boesman

2679 2 Gray Catbird 2 call 0:18 *Dumetella carolinensis* (9/4/2003 18:00h, Lacanja, Chiapas, Mexico, 16.42N,91.05W) © Peter Boesman

2679 3 Gray Catbird 3 call 0:07 *Dumetella carolinensis* (18/11/1998 09:00h, Felipe Carillo, Quintana Roo, Mexico, 19.40N,87.45W) © Peter Boesman

2680 1 Tropical Mockingbird 1 Song 0:26 *Mimus gilvus* (27/7/2000, Finca Monteverde at Olinda II, Merida, Venezuela, 08.45N,71.28W) © Peter Boesman

2680 2 Tropical Mockingbird 2 Song 0:23 *Mimus gilvus* (29/7/2003 08:00h, Finca Vuelta Larga, Sucre, Venezuela, 10.30N,63.00W) © Peter Boesman.

2680 3 Tropical Mockingbird 3 Song 1:36 *Mimus gilvus melanopterus*. Instituto Humboldt (Claustro San Agustín), Villa de Leyva, Boyaca, Colombia, 2100m, 01-08-2000, Song © Bernabe Lopez-Lanus.

2680 4 Tropical Mockingbird 4 Call 0:10 *Mimus gilvus* (21/10/1994 , Castillos de Guayana area, Delta Amac, Venezuela, 08.31N,62.24W) © Peter Boesman.

2697 1 Yellowish Pipit 1 Song 0:46 *Anthus lutescens lutescens*. (28/7/2005 09:00h, Transpantaneira, Mato Grosso, Brazil, 17.00S,57.00W) © Peter Boesman

2697 2 Yellowish Pipit 2 Song 0:54 *Anthus lutescens* (3/8/2005 08:15h, Mostardas area, Rio Grande do Sul, Brazil, 31.10S,51.00W) © Peter Boesman.

2703 1 Paramo Pipit 1 Song 0:26 *Anthus bogotensis*. (03-05-2008 10:24h, Runatullo, Junin, Peru, 3840m). © Nick Athanas.

2703 2 Paramo Pipit 2 Song 1:11 *Anthus bogotensis* (1/8/2008 06:45h, Junin Lake, Junin, Peru, 11.00S,76.05W) © Peter Boesman

2707 1 Masked Cardinal 1 Song 0:32 *Paroaria nigrogenis* © Paul Schwartz

2707 2 Masked Cardinal 2 Call 0:07 *Paroaria nigrogenis* (28/3/1997 09:00h, Orinoco river islands, Amazonas, Venezuela, 05.24N,67.46W) © Peter Boesman

2708 1 Red-capped Cardinal 1 Song 0:47 *Paroaria gularis*. (Cocha Cashu Biological Station, Manu National Park, Peru, 30-9-2001, S11.520° W71.220°). Habitat: Evergreen lowland forest, Flood plain forest. Ref: CC9B240 © Joseph Tobias and Nathalie Seddon.

2711 1 Black-faced Tanager 1 Song 0:23 *Schistochlamys melanopsis* (10/8/1999 , La Morita, Merida, Venezuela) © Gustavo Rodriguez

2711 2 Black-faced Tanager 2 Call 0:17 *Schistochlamys melanopsis* (25/7/2002 17:00h, Soldier's Monument area, Bolivar, Venezuela, 05.54N,61.26W) © Peter Boesman

2711 3 Black-faced Tanager 3 Call 0:24 *Schistochlamys melanopsis* (19/7/2005, Chapada dos Guimaraes, Mato Grosso, Brazil, 15.20S,55.50W) © Peter Boesman

2711 4 Black-faced Tanager 4 Interaction call 0:07 *Schistochlamys melanopsis* (28/7/2002 10:00h, Gran Sabana southern side, Bolivar, Venezuela, 04.59N,60.50W) © Peter Boesman.

2713 1 Magpie Tanager 1 Call and song 0:16 *Cissopis leveriana* (11/1/2005 09:30h, Carajás, Aguas Claras area, Pará, Brazil, 06.00S,50.30W) © Peter Boesman

2713 2 Magpie Tanager 2 Call 0:24 *Cissopis leveriana* (25/7/2009 11:00h, Cocha Camungo, Madre de Dios, Peru, 12.25S,70.40W) © Peter Boesman

2713 3 Magpie Tanager 3 Call 0:06 *Cissopis leverianus*. (13-05-2008 14:38h, Tierra Blanca, Loreto, Peru, 150m, S4.16°56' W77.14°26'). (Background: Ancient Antwren). © Nick Athanas.

2719 1 White-capped Tanager 1 Call 0:27 *Sericossypha alboaristata* (28/12/1993 , Gualaceo road, Azuay, Ecuador, 02.55S,78.40W) © Peter Boesman

2719 2 White-capped Tanager 2 Call 0:44 *Sericossypha alboaristata* (29th December 2009 16h00. R.N. Rio Blanco, Caldas, Colombia, 2600m, 5°5' N 75°30'W). © Peter Boesma

2720 1 Hooded Tanager 1 Song 0:27 *Nemosia pileata* (12/01/2006, 05:45h, 10km east of São João dos Patos, MA, Brazil, 350m, S6.29°22' W43.36°58'). Male singing at dawn. © Nick Athanas.

2720 2 Hooded Tanager 2 Call 0:38 *Nemosia pileata* (30/7/2005, Pantanal, Pixaim area, Mato Grosso, Brazil,) © Peter Boesman

2720 3 Hooded Tanager 3 Call 0:18 *Nemosia pileata* (23/4/1995 09:00h, Guataparo area, Carabobo, Venezuela, 10.13N,68.05W) © Peter Boesman.

2722 1 Rufous-crested Tanager 1 Call 0:24 *Creurgops verticalis*. (February 1992. Loja - Zamora road, (Zamora-Chinchipec, Ecuador. 1300 - 1700 m. 3°59' S, 79°01' W). John V. Moore.

2725 1 Black-capped Hemispingus 1 Song 0:53 *Hemispingus atropileus atropileus*. R.N. Rio Blanco, Caldas, Colombia, 2800m, 08:40h, 20-07-2008, N5.5°0' W75.30°0', song © Andrew Spencer.

2725 2 Black-capped Hemispingus 2 Song 1:00 *Hemispingus atropileus atropileus*. R.N. Rio Blanco, Caldas, Colombia, 2800m, 08:40h, 20-07-2008, N5.5°0' W75.30°0', song © Andrew Spencer.

2725 3 Black-capped Hemispingus 3 Song 0:21 *Hemispingus atropileus* (27/6/1995 10:00h, Manu Andean Slope, Cuzco, Peru, 12.30S,71.30W) © Peter Boesman

2725 4 Black-capped Hemispingus 4 Call 0:33 *Hemispingus atropileus* (23/9/2001 16:30h, Reserva Tapichalaca, Valladolid, Zamora-Chinchipec, Ecuador, 04.30S,79.08W) © Nick Athanas

2728 1 Superciliaried Hemispingus 1 Song 0:35 *Hemispingus superciliaris* (23/7/2000 09:00h, Dinira National Park, Lara, Venezuela, 09.42N,70.03W) © Peter Boesman.

2728 2 Superciliaried Hemispingus 2 Song 0:12 *Hemispingus superciliaris* (24/7/2000 09:00h, Dinira National Park, Lara, Venezuela, 09.42N,70.03W) © Peter Boesman.

2728 3 Superciliaried Hemispingus 3 Song 0:15 *Hemispingus superciliaris* (16/12/1996 07:00h, Páramo del Batallon, Tachira, Venezuela, 08.09N,71.57W) © Peter Boesman.

2728 4 Superciliaried Hemispingus 4 Song 0:10 *Hemispingus superciliaris*. Bogota-Quebrada la Vieja, Colombia, 2800m, 08:00h, 12-12-2002, Song © Doug Knapp

2728 5 Superciliaried Hemispingus 5 Call 0:19 *Hemispingus superciliaris* (30/7/2008 10:00h, Carpiash Tunnel, Huánuco, Peru, 09.40S,76.05W) © Peter Boesman

2728 6 Superciliaried Hemispingus 6 Call 0:13 *Hemispingus superciliaris* (19/12/1996 06:00h, Páramo del Zumbador, Tachira, Venezuela, 08.00N,72.00W) © Peter Boesman.

2728 7 Superciliaried Hemispingus 7 Call 0:13 *Hemispingus superciliaris* (19/7/2009 15:00h, Manu road high, Cuzco, Peru, 13.12S,71.35W) © Peter Boesman

2730 1 Oleaginous Hemispingus 1 Song 0:32 *Hemispingus frontalis* (13/1997 07:00h, Colonia Tovar area, Aragua, Venezuela, 10.24N,67.20W) © Peter Boesman

2730 2 Oleaginous Hemispingus 2 Song 0:36 *Hemispingus frontalis* (04-09-2003 06:50h, ACP Abra Patricia-Alto Nieva, San Martin, Peru, 2280m, S5.423° W77.48°44'). Duet from pair. (Background:Rufous-vented Tapaculo, Masked Trogon, Russet-crowned Warbler, Rufous-browed Peppershrike). © Nick Athanas.

2730 3 Oleaginous Hemispingus 3 Song 0:33 *Hemispingus frontalis* (29/12/1997 07:30h, Guaramacal NP, Trujillo, Venezuela, 09.10N,70.11W) © Peter Boesman.

2730 4 Oleaginous Hemispingus 4 Song 0:55 *Hemispingus frontalis frontalis*. R.N. Rio Blanco, Caldas, Colombia, 2800m, 06:35h, 20-07-2008, N5.5°0' W75.30°0', song © Andrew Spencer.

2731 1 Black-eared Hemispingus 1 Song 0:59 *Hemispingus melanotis* (14/2/2006 09:00h, San Isidro lodge, Napo, Ecuador, 00.40S,77.55W) © Peter Boesman

2731 2 Black-eared Hemispingus 2 Song 0:53 *Hemispingus melanotis melanotis*. R.N. Rio Blanco, Caldas, Colombia, 2800m, 08:00h, 20-07-2008, N5.5°0' W75.30°0', song © Andrew Spencer.

2731 3 Black-eared Hemispingus 3 Call 0:18 *Hemispingus melanotis*. (29-05-2003 08:30h, San Pedro, Cuzco, Peru, 1480m). © Nick Athanas.

2734 1 Black-headed Hemispingus 1 Song 0:34 *Hemispingus verticalis*. (February 1999, Gualaceo-Limon road, Morona-Santiago, Ecuador, 03.02S,78.36W, 2900m). Recording edited. John V. Moore.

2737 1 Gray-hooded Bush-Tanager 1 Call 0:33 *Cnemoscopus rubrirostris* (29th December 2009 12h30. R.N. Rio Blanco, Caldas, Colombia, 2600m, 5°5' N 75°30'W). © Peter Boesman.

2738 1 Fulvous-headed Tanager 1 Call 0:14 *Thlypopsis fulviceps* (5/8/2006 14:45h, Yacambu NP, Lara, Venezuela, 09.43N,69.35W) © Nick Athanas.

2738 2 Fulvous-headed Tanager 2 Call 0:05 *Thlypopsis fulviceps* (4/7/1996 09:30h, Yacambu NP, Lara, Venezuela, 09.43N,69.35W) © Peter Boesman

2738 3 Fulvous-headed Tanager 3 Call 0:18 *Thlypopsis fulviceps* (March 2009, Henri Pittier NP, Aragua, Venezuela) © Hans Matheve.

2741 1 Orange-headed Tanager 1 Song 0:09 *Thlypopsis sordida* (27/7/2004 10:00h, Arraial do Cabo, Rio de Janeiro, Brazil, 22.57S,42.02W) © Peter Boesman

2748 1 Gray-headed Tanager 1 Song 0:57 *Eucometis penicillata* (26/7/2003 06:00h, Casa Maria, Carabobo, Venezuela, 10.19N,68.15W) © Peter Boesman

2748 2 Gray-headed Tanager 2 Call 0:15 *Eucometis penicillata* (9/8/2002 09:00h, Cerro de Paja, Carabobo, Venezuela, 10.18N,68.15W) © Peter Boesman

2748 3 Gray-headed Tanager 3 Call 0:16 *Eucometis penicillata* (31/7/2005 08:15h, Pantanal, Pixaim area, Mato Grosso, Brazil, 16.40S,56.50W) © Peter Boesman

2748 4 Gray-headed Tanager 4 Call 0:08 *Eucometis penicillata* (15/11/1990 , Rancho Grande area, Aragua, Venezuela, 10.21N,67.42W) © Peter Boesman.

2749 1 Flame-crested Tanager 1 Call 0:40 Tachyphonus cristatus (23/7/2004 09:45h, Ubatuba - Folha Seca road, Sao Paulo, Brazil, 23.28S,45.06W) © Peter Boesman

2749 2 Flame-crested Tanager 2 Call 0:56 Tachyphonus cristatus (12/10/2000 11:43h, Camtarama area, Amazonas, Venezuela, 05.20N,67.42W) © Chris Sharpe

2751 1 Fulvous-crested Tanager 1 Song 0:28 Tachyphonus surinamus (22/7/2006 15:00h, Sao Gabriel da Cachoeira area, Amazonas, Brazil, 00.01S,66.30W) © Peter Boesman

2751 2 Fulvous-crested Tanager 2 Call 1:55 Tachyphonus surinamus brevipes. Mitu, Vaupes, Colombia, 190m, 10:30h, 13-06-2011, N1.14'45" W70.13'44", Two call types from a male perched at mid height and appearing alarmed by something. © Andrew Spencer.

2751 3 Fulvous-crested Tanager 3 Call 0:37 Tachyphonus surinamus (26/7/2002 10:00h, Lower escalera, Bolivar, Venezuela, 06.00N,61.22W) © Peter Boesman

2751 4 Fulvous-crested Tanager 4 Call 0:26 Tachyphonus surinamus (31/7/2002 09:00h, El Pauji road, Bolivar, Venezuela, 04.36N,61.30W) © Peter Boesman

2752 1 White-shouldered Tanager 1 Song 0:20 Tachyphonus luctuosus (26/3/1997 06:00h, Lower Rio Caura area, Bolivar, Venezuela, 07.15N,65.00W) © Peter Boesman

2752 2 White-shouldered Tanager 2 Call 0:25 Tachyphonus luctuosus (5/3/1994, Caño Colorado, Monagas, Venezuela, 09.55N,62.55W) © Peter Boesman

2753 1 Tawny-crested Tanager 1 call 0:09 Tachyphonus delatirii. (15th March 2010 09h10, Braulio Carrillo NP, Quebrada Gonzalez HQ, Las Palmas trail, 500m elev., Heredia, Costa Rica). © Peter Boesman.

2753 2 Tawny-crested Tanager 2 call 0:25 Tachyphonus delatirii. (15th March 2010 09h10, Braulio Carrillo NP, Quebrada Gonzalez HQ, Las Palmas trail, 500m elev., Heredia, Costa Rica). (Background: Ashy-throated Bush-tanager) © Peter Boesman.

2755 1 White-lined Tanager 1 Song 0:49 Tachyphonus rufus (2/8/2003 05:45h, Hacienda San Fernando, Caripe., Monagas, Venezuela, 10.11N,63.30W) © Peter Boesman

2755 2 White-lined Tanager 2 Call 0:21 Tachyphonus rufus (2/2/1997 06:00h, Morrocoy NP, Falcon, Venezuela, 10.51N,68.18W) © Peter Boesman

2755 3 White-lined Tanager 3 Call 0:35 Tachyphonus rufus (12/10/2000 07:35h, Camtarama area, Amazonas, Venezuela, 05.20N,67.42W) © Chris Sharpe

2756 1 Red-shouldered Tanager 1 Call 0:16 Tachyphonus phoenicius (27/7/2002 06:00h, Upper escalera, Bolivar, Venezuela, 05.58N,61.24W) © Peter Boesman

2757 1 Fulvous Shrike-Tanager 1 Call 0:28 Lanio fulvus (17/2/2006 10:00h, Garenno Lodge, Napo, Ecuador, 01.05S,77.35W) © Peter Boesman

2757 2 Fulvous Shrike-Tanager 2 Call 0:33 Lanio fulvus (2/8/2002, Lower escalera, Bolivar, Venezuela, 06.00N,61.22W) © Peter Boesman

2757 3 Fulvous Shrike-Tanager 3 Call 0:28 Lanio fulvus (2/8/2002 09:30h, Lower escalera, Bolivar, Venezuela, 06.00N,61.22W) © Peter Boesman.

2759 1 Masked Crimson Tanager 1 Call 0:47 Ramphocelus nigrogularis (25/7/2009 07:00h, Cocha Camungo, Madre de Dios, Peru, 12.25S,70.40W) © Peter Boesman

2759 2 Masked Crimson Tanager 2 Call 0:25 Ramphocelus nigrogularis (25/7/2009 08:00h, Cocha Camungo, Madre de Dios, Peru, 12.25S,70.40W) © Peter Boesman

2759 3 Masked Crimson Tanager 3 Call 0:34 Ramphocelus nigrogularis (27th July 2010 7h30, Explornapo, Loreto, Peru, 120 m. 3°10' S, 72°55' W). © Peter Boesman.

2760 1 Crimson-backed Tanager 1 Song 0:13 Ramphocelus dimidiatus (3rd February 2011 11h00. RNA El Paujil, Santander, Colombia, 310m, 6.2'59" N, 74.15'41" W). © Peter Boesman.

2760 2 Crimson-backed Tanager 2 Song 0:27 Ramphocelus dimidiatus (25/7/2000 06:00h, Rio Frio road, Merida, Venezuela, 08.52N,71.20W) © Peter Boesman

2760 3 Crimson-backed Tanager 3 Call 0:36 Ramphocelus dimidiatus (20/12/1996 16:00h, San Juan de Colon, Tachira, Venezuela, 08.05N,72.16W) © Peter Boesman.

2760 4 Crimson-backed Tanager 4 Call 0:19 Ramphocelus dimidiatus (26/7/2000 17:00h, Finca Monteverde at Olinda II, Merida, Venezuela, 08.45N,71.28W) © Peter Boesman.

2760 5 Crimson-backed Tanager 5 Call 0:22 Ramphocelus dimidiatus (4th January 2010 15h30. Mana Dulce, Tolima, Colombia, 4° 21' 04"N 74° 39' 06"W). (Background: Jet Antbird, Scrub Greenlet). © Peter Boesman.

2760 6 Crimson-backed Tanager 6 Call 0:08 Ramphocelus dimidiatus (1st February 2011 9h00. RNA Reinita Cielo Azul, San Vicente de Chucurí, Santander, Colombia, 1800m, N.50'47" N, 73.22'30" W). © Peter Boesman.

2762 1 Silver-beaked Tanager 1 Song 0:24 Ramphocelus carbo (25/7/2002 08:30h, km 88 area, Bolivar, Venezuela, 06.12N,61.24W) © Peter Boesman

2762 2 Silver-beaked Tanager 2 Song 0:35 Ramphocelus carbo (25/7/2002, km 88 area, Bolivar, Venezuela, 06.12N,61.24W) © Peter Boesman

2762 3 Silver-beaked Tanager 3 Song 0:28 Ramphocelus carbo (27/7/2003 08:30h, Morrocoy NP, Falcon, Venezuela, 10.51N,68.18W) © Peter Boesman.

2762 4 Silver-beaked Tanager 4 Call 0:21 Ramphocelus carbo (2/8/2000 09:00h, Campamento La Trampa, Tachira, Venezuela, 07.55N,71.43W) © Peter Boesman.

2762 5 Silver-beaked Tanager 5 Call 0:19 Ramphocelus carbo (31/3/1994, Caño Colorado, Monagas, Venezuela, 09.55N,62.55W) © Peter Boesman.

2764 1 Flame-rumped Tanager 1 Call 0:20 Ramphocelus flammigerus (9th February 2011 10h00. RNA Las Tangaras near Carmen del Atrato, Antioquia, Colombia). © Peter Boesman.

2764 2 Flame-rumped Tanager 2 Call 0:29 Ramphocelus flammigerus flammigerus. Above Jardín, Antioquia, Colombia, 2000m, 08:20h, 17-02-2007, Calls, Three birds chasing each other around. also: Parker's Antbird, Whiskered Wren © Nick Athanas.

2765 1 Blue-gray Tanager 1 Song 0:54 Thraupis episcopus (30/12/2007 18:00h, Abra Patricia road, San Martín, Peru, 05.50S,77.46W) © Peter Boesman

2765 2 Blue-gray Tanager 2 Song 0:16 Thraupis episcopus (28/3/1997, Camtarama area, Amazonas, Venezuela, 05.20N,67.42W) © Peter Boesman

2767 1 Glaucous Tanager 1 Song 0:20 Thraupis glaucocolpa (10/2/1997 07:00h, Morrocoy NP, Falcon, Venezuela, 10.51N,68.18W) © Peter Boesman.

2767 2 Glaucous Tanager 2 Song 0:19 Thraupis glaucocolpa (10/2/1997 07:00h, Morrocoy NP, Falcon, Venezuela, 10.51N,68.18W) © Peter Boesman.

2767 3 Glaucous Tanager 3 Call 0:07 Thraupis glaucocolpa (17/11/1996 07:00h, Morrocoy NP, Falcon, Venezuela, 10.51N,68.18W) © Peter Boesman.

2770 1 Palm Tanager 1 Song 0:18 Thraupis palmarum (30/7/2003 16:30h, Balneario Subucual, Sucre, Venezuela, 10.33N,63.06W) © Peter Boesman

2770 2 Palm Tanager 2 Song 0:16 Thraupis palmarum (30/7/2002 07:00h, Gran Sabana southern side, Bolivar, Venezuela, 04.59N,60.50W) © Peter Boesman.

2770 3 Palm Tanager 3 Song 0:15 Thraupis palmarum (16/3/1997 13:00h, Casa Maria, Carabobo, Venezuela, 10.19N,68.15W) © Peter Boesman.

2770 4 Palm Tanager 4 Call and song 0:16 Thraupis palmarum (26/7/2000 17:00h, Finca Monteverde at Olinda II, Merida, Venezuela, 08.45N,71.28W) © Peter Boesman.

2770 5 Palm Tanager 5 Call 0:10 Thraupis palmarum melanoptera. Mitu, Vaupes, Colombia, 190m, 06:20h, 13-06-2011, N1.14'45" W70.13'44", Calls from a flying bird. © Andrew Spencer.

2771 1 Blue-capped Tanager 1 Song 0:18 Thraupis cyanocephala (1/3/1997 08:00h, Colonia Tovar area, Aragua, Venezuela, 10.24N,67.20W) © Peter Boesman

2771 2 Blue-capped Tanager 2 Song 0:25 Thraupis cyanocephala (17/12/1996 16:00h, La Grita area, Tachira, Venezuela, 08.08N,72.00W) © Peter Boesman.

2771 3 Blue-capped Tanager 3 Song 0:16 Thraupis cyanocephala (4/5/2002 10:00h, Cerro Negro, Monagas, Venezuela, 10.14N,63.34W) © Nick Athanas.

2773 1 Vermilion Tanager 1 Call 0:19 Calochaetes coccineus. Santa Cecilia track, above Paquisha, Zamora-Chinchiipe, Ecuador, 1250m, 17:00h, 11-08-2011, S3.55'15" W78.36'18", Calls from one of a pair in a large mixed species flock. © Andrew Spencer.

2775 1 Black-and-gold Tanager 1 Song 0:29 Bangsia melanochlamys. RNA Arriero Antioqueño, Anorí, Antioquia, Colombia, 1750m, 16-06-2007, N6.59'10" W75.7'30", song © Frank Lambert.

2775 2 Black-and-Gold Tanager 2 Call 1:14 Bangsia melanochlamys (31st December 2009 11h00. P.N. Tatamá, Montezuma trail, near Pueblo Rico, Risaralda, Colombia, 1600m, 5°14'3"N 76° 52'1"W). (Background: Smoke-colored Pewee). © Peter Boesman.

2776 1 Golden-chested Tanager 1 Song 0:27 Bangsia rothschildi. La Union Road, 6.5 km NW of Alto Tambo, Esmeraldas, Ecuador, 650m, 09:55h, 31-07-2011, N0.58'20" W78.33'19", Song from an unseen bird. also: Stub-tailed Antbird © Andrew Spencer.

2776 2 Golden-chested Tanager 2 Call 0:33 Bangsia rothschildi. NE of Salto del Tigre, Esmeraldas, Ecuador, 350m, 06:30h, 18-02-2001, N0.16'0" W79.0'36", call. © Nick Athanas

2777 1 Moss-backed Tanager 1 Song 0:20 Bangsia edwardsi. Mashpi Road, Pichincha, Ecuador, 1300m, 08:00h, 20-07-2010, N0.9'40" W78.50'57", song © Andrew Spencer.

2777 2 Moss-backed Tanager 2 Song 0:35 Bangsia edwardsi. Cristal, Esmeraldas, Ecuador, 1600m, 09:40h, 19-01-2008, N0.49'25" W78.30'50", song?, from a single bird part of a large mixed species flock © Andrew Spencer.

2777 3 Moss-backed Tanager 3 Song 0:26 Bangsia edwardsi. Narino, El Pangan Nature Reserve, near Junin, Colombia, 20-2-08, N1.19'12" W78.6'35", song, © Frank Lambert.

2778 1 Gold-ringed Tanager 1 Song 0:57 Bangsia aureocincta. Road to San Jose del Palmar, Serrania de las Paraguas, Choco, Colombia, 1780m, 12:45h, 31-07-2008, Song from the male of a pair leading around an older juvenile. © Andrew Spencer.

2778 2 Gold-ringed Tanager 2 Song 0:11 Bangsia aureocincta. Road to San Jose del Palmar, Serrania de las Paraguas, Choco, Colombia, 1820m, 13:50h, 31-07-2008, Male of a pair leading around an older juvenile. © Andrew Spencer.

2778 3 Gold-ringed Tanager 3 Call 0:59 Bangsia aureocincta. Road to San Jose del Palmar, Serrania de las Paraguas, Choco, Colombia, 1800m, 13:00h, 31-07-2008, Calls from a bird perched at the top of a tree, this bird later sang from the same perch. © Andrew Spencer.

2780 1 Hooded Mountain-Tanager 1 Dawn song 0:54 Buthraupis montana (13/2/2006 05:30h, Huacamayos ridge, Napo, Ecuador, 00.37S,77.52W) © Peter Boesman

2780 2 Hooded Mountain-Tanager 2 Call in flight 0:08 Buthraupis montana (19/7/2009 09:00h, Manu road high, Cuzco, Peru, 13.12S,71.35W) © Peter Boesman

2780 3 Hooded Mountain-Tanager 3 Call 0:16 Buthraupis montana. Finca Yerbabuena (sobre Toche), canon del rio Toche, Tolima, Colombia, 2400m, 15:50h, 22-06-1998, Song, Response to playback © Bernabe Lopez-Lanus.

2781 1 Black-chested Mountain-Tanager 1 Song 0:19 Buthraupis eximia (8/12/2001 06:00h, Yanacocha reserve, Pichincha, Ecuador, 00.08S,78.35W) © Nick Athanas

2783 1 Masked Mountain-Tanager 1 Dawn song 0:17 Buthraupis wetmorei. Parque Nacional Podocarpus, sector Cajanuma, Loja, Ecuador, 3100m, 06:30h, 25-09-2001, S4.74" W79.10'33", dawn song © Nick Athanas.

2785 1 Lacrimose Mountain-Tanager 1 Song 0:33 Anisognathus lacrymosus (31/7/2008 08:00h, Carpih Tunnel, Huánuco, Peru, 09.40S,76.05W) © Peter Boesman

2785 2 Lacrimose Mountain-Tanager 2 Song 1:23 Anisognathus lacrymosus (31/7/2008 10:40h, Carpish Tunnel, Huánuco, Peru, 09.40S,76.05W) © Peter Boesman

2785 3 Lacrimose Mountain-Tanager 3 Song and call 0:31 Anisognathus lacrymosus. Finca La Carbonera (canon del rio Toche), Tolima, Colombia, 2900m, 12:28h, 24-09-1998, Song © Bernabe Lopez-Lanus.

2785 4 Lacrimose Mountain-Tanager 4 Call 0:11 Anisognathus lacrymosus (30/12/1997 08:00h, Guaramacal NP, Trujillo, Venezuela, 09.10N,70.11W) © Peter Boesman.

2786 1 Scarlet-bellied Mountain-Tanager 1 Song 1:00 Anisognathus igniventris (28/7/2008 09:00h, Bosque Unchog, Huánuco, Peru, 09.45S,76.15W) © Peter Boesman

2786 2 Scarlet-bellied Mountain-Tanager 2 Song 1:00 Anisognathus igniventris (19/7/2009 09:00h, Manu road high, Cuzco, Peru, 13.12S,71.35W) © Peter Boesman

2786 3 Scarlet-bellied Mountain-Tanager 3 Song 0:10 Anisognathus igniventris (7th January 2010 7h00. Onzaga road near Soata, Boyaca, Colombia, 6°20'11"N 72°44'11"W). © Peter Boesman.

2786 4 Scarlet-bellied Mountain-Tanager 4 Song 0:43 Anisognathus igniventris. Finca Indostan, sobre Vereda La Cascada, Anzoategui, Tolima, Colombia, 3500m, 07:00h, 12-08-1999, Song © Bernabe Lopez-Lanus.

2786 5 Scarlet-bellied Mountain-Tanager 5 Song 0:25 Anisognathus igniventris. Reserva Iguaque (SFF), Villa de Leyva, Boyaca, Colombia, 2850m, 06:30h, 26-06-2002, Song © Bernabe Lopez-Lanus.

2786 6 Scarlet-bellied Mountain-Tanager 6 Call 0:12 Anisognathus igniventris (29/7/2008 11:00h, Bosque Unchog, Huánuco, Peru, 09.45S,76.15W) © Peter Boesman

2787 1 Blue-winged Mountain-Tanager 1 Song and call 0:16 Anisognathus somptuosus cyanopterus. El 18, Valle del Cauca, Colombia, 06:35h, 17-07-2008, song and calls © Andrew Spencer.

2787 2 Blue-winged Mountain-Tanager 2 Call 0:14 Anisognathus somptuosus (3/8/2008 12:30h, Villa Rica-Oxapampa road, Pasco, Peru, 10.35S,75.20W) © Peter Boesman

2787 3 Blue-winged Mountain-Tanager 3 Call 0:26 Anisognathus somptuosus (24/7/2003 09:00h, Sierra de Aroa, Yaracuy, Venezuela, 10.20N,68.50W) © Peter Boesman

2787 4 Blue-winged Mountain-Tanager 4 Call 0:34 Anisognathus somptuosus (29/12/2007 11:00h, Abra Patricia road, San Martín, Peru, 05.50S,77.46W) © Peter Boesman

2787 5 Blue-winged Mountain-Tanager 5 Call 0:31 Anisognathus somptuosus (30th December 2009 11h00. R.N. Rio Blanco, Caldas, Colombia, 2600m, 5°5' N 75°30'W). © Peter Boesman.

2788 1 Black-chinned Mountain-Tanager 1 Song and call 0:43 Anisognathus notabilis. RNA Las Tangaras, Choco, Colombia, 1800m, 08:50h, 26-06-2011, N5.43'44" W76.14'38", Song and various calls from a bird part of a larger flock. © Andrew Spencer.

2788 2 Black-chinned Mountain-Tanager 2 Song and call 1:48 Anisognathus notabilis. Chical road, Carchi, Ecuador, 2200m, 10:30h, 01-08-2011, N0.47'20" W78.8'8". Song and calls from a bird perched near the top of a tall palm located in the middle of a pasture. © Andrew Spencer.

2788 3 Black-chinned Mountain-Tanager 3 Calls 0:42 Anisognathus notabilis. RNA Las Tangaras, Choco, Colombia, 1800m, 08:50h, 26-06-2011, N5.43'44" W76.14'38", Calls from at least three adult birds and begging calls from an older juvenile. © Andrew Spencer.

2789 1 Grass-green Tanager 1 Song and call 0:57 Chlorornis riefferii (30/7/2008 07:15h, Carpish Tunnel, Huánuco, Peru, 09.40S,76.05W) © Peter Boesman.

2789 2 Grass-green Tanager 2 Song and call 0:09 Chlorornis riefferii (30/7/2008 07:15h, Carpish Tunnel, Huánuco, Peru, 09.40S,76.05W) © Peter Boesman.

2789 3 Grass-green Tanager 3 Song 0:12 Chlorornis riefferii (3rd January 2010 14h00. Paramo Navarco, Quindio/Tolima, Colombia, 3200m, 4°28'27"N 75°33'25"W). © Peter Boesman.

2789 4 Grass-green Tanager 4 Song 0:07 Chlorornis riefferii (6th February 2011 7h00. Jardin, Antioquia, Colombia 6° 58' 03" N, 75° 31' 38" W), © Peter Boesman.

2789 5 Grass-green Tanager 5 Call 0:26 Chlorornis riefferii (28/12/1993 , Gualaceo road, Azuay, Ecuador, 02.55S,78.40W) © Peter Boesman.

2789 6 Grass-green Tanager 6 Call 0:05 Chlorornis riefferii (6/8/2008 17:00h, Apaya-Andamarca road, Junin, Peru, 11.40S,74.50W) © Peter Boesman.

2790 1 Buff-breasted Mountain-Tanager 1 Song 0:34 Dubusia taeniata (23/7/2000 08:00h, Dinira National Park, Lara, Venezuela, 09.42N,70.03W) © Peter Boesman

2790 2 Buff-breasted Mountain-Tanager 2 Song 1:41 Dubusia taeniata (6th February 2011 9h00. Jardin, Antioquia, Colombia 6° 58' 03" N, 75° 31' 38" W), © Peter Boesman.

2790 3 Buff-breasted Mountain-Tanager 3 Song 1:07 Dubusia taeniata (30th December 2009 10h40. R.N. Rio Blanco, Caldas, Colombia, 2600m, 5°5' N 75°30'W). © Peter Boesman.

2790 4 Buff-breasted Mountain-Tanager 4 Song Santa Marta 0:28 Dubusia taeniata carrikeri. RNA El Dorado, Sierra de Santa Marta, Magdalena, Colombia, 2580m, 07:00h, 11-03-2010, N11.6'28" W74.2'55", song. also: Flammulated Treehunter © Nick Athanas.

2794 1 Purplish-mantled Tanager 1 Song 0:41 Iridosornis porphyrocephalus. Chical road, Carchi, Ecuador, 2300m, 09:35h, 01-08-2011, N0.47'20" W78.8'6", Song from one of a pair. © Andrew Spencer.

2794 2 Purplish-mantled Tanager 2 Song and call 0:44 Iridosornis porphyrocephalus. Reserva Natural Cerro El Ingles, Choco, Colombia, 1900m, 11:35h, 30-07-2008, Songs and calls from two birds part of a small flock of this species © Andrew Spencer.

2794 3 Purplish-mantled Tanager 3 Call 0:35 Iridosornis porphyrocephalus (1st January 2010 17h30. P.N. Tatamá, Montezuma trail, near Pueblo Rico, Risaralda, Colombia, 1600m, 5°14'3"N 76° 52'1"W). © Peter Boesman.

2795 1 Yellow-throated Tanager 1 Song 0:33 Iridosornis analis (30/7/2009 15:00h, San Pedro area, Cuzco, Peru, 13.08S,71.35W) © Peter Boesman.

2795 2 Yellow-throated Tanager 2 Call 0:14 Iridosornis analis (29/12/2007 10:15h, Abra Patricia road, San Martín, Peru, 05.50S,77.46W) © Peter Boesman.

2797 1 Golden-crowned Tanager 1 Call 0:10 Iridosornis rufivertex. November 1996, Loja-Zamora road, Ecuador, 03.59S, 79.08W, 2785m). Foraging calls. John V. Moore.

2797 2 Golden-crowned Tanager 2 Call 0:12 Iridosornis rufivertex. Entre La Romelia y El Planchon (PNN Munchique), Changuayaco, Vereda La Romelia, Mpio El Tambo, Cauca, Colombia, 2300m, 07:30h, 30-09-2000, Call © Bernabe Lopez-Lanus.

2799 1 Fawn-breasted Tanager 1 Song 0:17 Pipraeidea melanonota (22/12/1993 , Piñas, El Oro, Ecuador, 03.40S,79.40W) © Peter Boesman

2799 2 Fawn-breasted Tanager 2 Song 0:18 Pipraeidea melanonota (29/7/2000 09:30h, El Morro road, Merida, Venezuela, 08.30N,71.05W) © Peter Boesman

2799 3 Fawn-breasted Tanager 3 Song 0:16 Pipraeidea melanonota (29/7/2000 09:00h, El Morro road, Merida, Venezuela, 08.30N,71.05W) © Peter Boesman.

2799 4 Fawn-breasted Tanager 4 Song 0:16 Pipraeidea melanonota venezuelensis. Laguna de Pedro Palo, Cundinamarca , Colombia, 2000m, 09:20h, 05-06-2011, N4.41'0" W74.23'0", song, natural vocalization © Andrew Spencer.

2800 1 Glistening-green Tanager 1 Song 0:55 Chlorochrysa phoenicotis. Road to San Jose del Palmar, Serrania de las Paraguas, Choco, Colombia, 1800m, 13:40h, 31-07-2008, Song © Andrew Spencer.

2800 2 Glistening-green Tanager 2 Call 0:20 Chlorochrysa phoenicotis. RNA Las Tangaras, Choco, Colombia, 1800m, 07:10h, 26-06-2011, N5.43'44" W76.14'38", Calls from a male bird that was part of a group of 3-4, which were part of a larger flock. © Andrew Spencer.

2801 1 Orange-eared Tanager 1 Song 0:21 Chlorochrysa calliparaea (30/7/2009 10:00h, San Pedro area, Cuzco, Peru, 13.08S,71.35W) © Peter Boesman

2802 1 Multicolored Tanager 1 Call 0:18 Chlorochrysa nitidissima. El 18, Valle del Cauca, Colombia, 10:00h, 17-07-2008, Call © Andrew Spencer.

2803 1 Golden-hooded Tanager 1 dawn song 1:00 Tangara larvata. (21st March 2010 05h20, Esquinas lodge, 100m elev., Piedras Blancas NP, Puntarenas, Costa Rica). (Background: Blue-crowned Motmot, Cocoa Woodcreeper, Bright-rumped Attila). © Peter Boesman.

2803 1 Golden-naped Tanager 1 Call and song 0:38 Tangara ruficervix (4/8/2008 08:00h, Pozuco area, Pasco, Peru, 10.10S,75.30W) © Peter Boesman.

2803 2 Golden-naped Tanager 2 Call 0:05 Tangara ruficervix ruficervix. El 18, Valle del Cauca, Colombia, 10:30h, 17-07-2008, call, an especially quiet species, all the calls I heard from it were quiet and hard to record © Andrew Spencer.

2803 2 Golden-hooded Tanager 2 call 0:08 Tangara larvata. (14th March 2010 11h10, La Selva biological station, Heredia, Costa Rica). © Peter Boesman.

2803 3 Golden-hooded Tanager 3 call 0:10 Tangara larvata. (19th March 2010 17h20, Esquinas lodge, 100m elev., Piedras Blancas NP, Puntarenas, Costa Rica). © Peter Boesman.

2803 4 Golden-hooded Tanager 4 call 0:11 Tangara larvata. (14th March 2010 09h35, La Selva biological station, Heredia, Costa Rica). (Background: Chestnut-mandibled Toucan). © Peter Boesman.

2803 5 Golden-hooded Tanager 5 Call 0:12 Tangara larvata (15/4/1995 , Darien El Real , Panama, 08.10N,77.45W) © Peter Boesman.

2804 1 Black-headed Tanager 1 Song 0:40 Tangara cyanoptera cyanoptera. RNA Hormiguero de Torcoroma, Ocaña, Norte de Santander, Colombia, 1650m, 09:45h, 03-08-2008, N8.12'11" W73.22'47", song © Andrew Spencer.

2804 2 Black-headed Tanager 2 Call 0:10 Tangara cyanoptera (March 2009, Henri Pittier NP, Aragua, Venezuela). © Hans Matheve.

2804 3 Black-headed Tanager 3 Call 0:55 Tangara cyanoptera cyanoptera. RNA Hormiguero de Torcoroma, Ocaña, Norte de Santander, Colombia, 1650m, 09:45h, 03-08-2008, N8.12'11" W73.22'47", call © Andrew Spencer.

2806 1 Black-capped Tanager 1 Song 1:07 Tangara heinei (22/1/1998 07:45h, La Azulita road, Merida, Venezuela, 08.40N,71.24W) © Chris Sharpe

2806 2 Black-capped Tanager 2 Song 0:11 Tangara heinei (5/7/1996 09:30h, Yacambu NP, Lara, Venezuela, 09.43N,69.35W) © Peter Boesman.

2806 3 Black-capped Tanager 3 Song 0:14 Tangara heinei. RNA Hormiguero de Torcoroma, Ocaña, Norte de Santander, Colombia, 1600m, 06:10h, 03-08-2008, N8.12'11" W73.22'47", song, first little bit cut off © Andrew Spencer.

2806 4 Black-capped Tanager 4 Call 0:20 Tangara heinei (2nd January 2010 16h30. Bosque Bremen, Quindio, Colombia, 4°40'26"N 75°37'5"W). © Peter Boesman.

2806 5 Black-capped Tanager 5 Call 0:35 Tangara heinei. RNA El Colibri del Sol, Paramo de Frontino, Antioquia, Colombia, 2500m, 09:00h, 21-06-2011, N6.26'17" W76.5'18", call, natural vocalization; calls from a female bird, the last couple of calls in flight. © Andrew Spencer.

2809 1 Gray-and-gold Tanager 1 Call 0:18 Tangara palmeri. La Union Road, 6.5 km NW of Alto Tambo, Esmeraldas, Ecuador, 650m, 10:00h, 31-07-2011, N0.58'20" W78.33'19", Multiple call types from a small flock of birds. © Andrew Spencer.

2813 1 Burnished-buff Tanager 1 Song 0:32 Tangara cayana (28/3/1997 17:00h, Camtutura area, Amazonas, Venezuela, 05.20N,67.42W) © Peter Boesman

2813 2 Burnished-buff Tanager 2 Call 0:32 Tangara cayana (28/7/2002 10:00h, Gran Sabana southern side, Bolivar, Venezuela, 04.59N,60.50W) © Peter Boesman

2814 1 Scrub Tanager 1 Song 0:25 Tangara vitriolina (4th January 2010 7h30. Juntas, Tolima, Colombia, 4°33'56"N 75°19'38"W). (Background: Black-winged Saltator). © Peter Boesman.

2814 2 Scrub Tanager 2 Song 0:07 Tangara vitriolina. El 18, Valle del Cauca, Colombia, ?m, 07:00h, 17-07-2008, N3.29'7" W76.37'4", song © Andrew Spencer.

2814 3 Scrub Tanager 3 Call 0:22 Tangara vitriolina (5th January 2010 13h30. Laguna Pedro Palo, Cundinamarca, Colombia, 4°41' 0"N 74°23' 21"W). © Peter Boesman.

2814 4 Scrub Tanager 4 Call 0:28 Tangara vitriolina (5th January 2010 15h30. Laguna Pedro Palo, Cundinamarca, Colombia, 4°41' 0"N 74°23' 21"W). © Peter Boesman.

2815 1 Masked Tanager 1 Song 0:54 Tangara nigrocincta. (Shaime cutoff road, Zamora-Chinchipec, Ecuador, 940m, 07:50h, 14-08-2011, S4.19°14' W78.39°29"). Song?, natural vocalization; from a bird sitting on top of a tall exposed tree. © Andrew Spencer.

2815 2 Masked Tanager 2 Call 0:32 Tangara nigrocincta. (Mirador de Lumbacqui, Sucumbios, Ecuador, 800m, 08:40h, 25-07-2011, N0.1°55' W77.17°38"). Natural vocalization; calls from one of a pair that was part of a larger flock, eating berries in a low fruiting tree. © Andrew Spencer

2817 1 Blue-necked Tanager 1 Song 0:18 Tangara cyanicollis (2/8/2008 17:15h, Villa Rica Cofee plantations, Pasco, Peru, 10.40S,75.20W) © Peter Boesman.

2817 2 Blue-necked Tanager 2 Call 0:30 Tangara cyanicollis (19/12/2000 11:30h, Yacambu NP, Lara, Venezuela, 09.43N,69.35W) © Chris Sharpe.

2817 3 Blue-necked Tanager 3 Interaction calls 0:35 Tangara cyanicollis (5/8/2000, Yacambu NP, Lara, Venezuela, 09.43N,69.35W) © Peter Boesman

2819 1 Rufous-throated Tanager 1 Song 0:28 Tangara rufigula. RNA Las Tangaras, Choco, Colombia, 1700m, 07:30h, 24-06-2011, N5.43°44' W76.14°38", song?, natural vocalization; these from a bird perched prominently on top of a tree. © Andrew Spencer.

2819 2 Rufous-throated Tanager 2 Call 0:28 Tangara rufigula. Cristal, Esmeraldas, Ecuador, 1720m, 10:42h, 04-05-2007, N0.49°25' W78.30°50", Calls from a family group of two adults and two fledglings. also: Toucan Barbet © Nick Athanas.

2819 3 Rufous-throated Tanager 3 Call 0:31 Tangara rufigula (9th February 2011 10h00. RNA Las Tangaras near Carmen del Atrato, Antioquia, Colombia). © Peter Boesman.

2820 1 Speckled Tanager 1 Calls 0:29 Tangara guttata (30/12/2001, Lower escalera, Bolivar, Venezuela, 06.00N,61.22W) © Mark Van Beirs

2821 1 Yellow-bellied Tanager 1 Call 0:09 Tangara xanthogastra xanthogastra. Mitu, Vaupes, Colombia, 190m, 13:30h, 08-06-2011, N1.14°45' W70.13°44", call, natural vocalization © Andrew Spencer.

2821 2 Yellow-bellied Tanager 2 Call 0:50 Tangara xanthogastra (1/8/2002 06:30h, Upper escalera, Bolivar, Venezuela, 05.58N,61.24W) © Peter Boesman

2823 1 Blue-and-black Tanager 1 Song 1:08 Tangara vassorii (7/8/2008 06:30h, Apaya-Andamarca road, Junin, Peru, 11.40S,74.50W) © Peter Boesman

2823 2 Blue-and-black Tanager 2 Song 0:13 Tangara vassorii vassorii. RNA Loro Orejamarillo, Jardin, Antioquia, Colombia, 2800m, 12:00h, 28-07-2008, N5.32°20' W75.48°16", song? and call © Andrew Spencer.

2823 3 Blue-and-black Tanager 3 Song 0:21 Tangara vassorii vassorii. RNA Loro Orejamarillo, Jardin, Antioquia, Colombia, 2600m, 11:19h, 16-02-2007, song. also: Azara's Spinetail. © Nick Athanas.

2823 4 Blue-and-black Tanager 4 Call 0:14 Tangara vassorii (18/12/1996 09:00h, Páramo del Batallon, Tachira, Venezuela, 08.09N,71.57W) © Peter Boesman

2824 1 Beryl-spangled Tanager 1 Call and song 0:27 Tangara nigroviridis (19/12/2000 15:10h, Yacambu NP, Lara, Venezuela, 09.43N,69.35W) © Chris Sharpe

2825 1 Metallic-green Tanager 1 Call 0:27 Tangara labradorides labradorides. El 18, Valle del Cauca, Colombia, 10:00h, 17-07-2008, Call © Andrew Spencer.

2827 1 Plain-colored Tanager 1 call 0:14 Tangara inornata. (Parque Metropolitano, Panama, Panama, 50m, 09:00h, 17-03-2009, N9.1°28' W79.33°10"). © Andrew Spencer.

2827 2 Plain-colored Tanager 2 call 0:31 Tangara inornata. (14th March 2010 09h35, La Selva biological station, Heredia, Costa Rica). (Background: Chestnut-mandibled Toucan). © Peter Boesman.

2827 3 Plain-colored Tanager 3 call 0:05 Tangara inornata. (Burbayar Lodge, Panama, 380m, 07:30h, 26-02-2008). Brief calls of a passing bird. © Ken Allaire.

2828 1 Turquoise Tanager 1 Song 0:50 Tangara mexicana (6/8/2003 07:00h, Rio Grande area, Bolivar, Venezuela, 08.03N,61.40W) © Peter Boesman

2828 2 Turquoise Tanager 2 Call 0:22 Tangara mexicana (29/7/2003 10:00h, Finca Vuelta Larga, Sucre, Venezuela, 10.30N,63.00W) © Peter Boesman

2829 1 Paradise Tanager 1 Call 0:16 Tangara chilensis (28/12/2007 17:50h, Abra Patricia road, San Martin, Peru, 05.50S,77.46W) © Peter Boesman

2829 2 Paradise Tanager 2 Call 0:10 Tangara chilensis (1/1/2008 11:10h, Morro de Caizada, San Martin, Peru, 06.00S,77.05W) © Peter Boesman

2829 3 Paradise Tanager 3 Call 0:17 Tangara chilensis (1/8/2002 11:00h, Upper escalera, Bolivar, Venezuela, 05.58N,61.24W) © Peter Boesman.

2830 1 Opal-rumped Tanager 1 Calls 0:25 Tangara velia (25/7/2002 09:00h, km 88 area, Bolivar, Venezuela, 06.12N,61.24W) © Peter Boesman

2830 2 Opal-rumped Tanager 2 Call 0:30 Tangara velia cyanomelana: (Estação Veracruz, Porto Seguro, BA, Brazil, 80m, 08:21h, 25-09-2007, S16.21°33' W39.8°17"). Calls from a single bird perched on a treetop. © Nick Athanas.

2831 1 Opal-crowned Tanager 1 Call 0:41 Tangara calophrys. (Yasuni- Research Station, Parque Nacional Yasuni, Orellana, Ecuador, 250m, 06:30h, 18-08-2010, S0.40°27' W76.23°52"). Calls, recorded from the canopy tower. © Andrew Spencer.

2837 1 Rufous-winged Tanager 1 call 0:59 Tangara lavinia. (Humedal del Yalare, Esmeraldas, Ecuador, 30m, 13:30h, 18-01-2008, N1.6°0' W78.51°0"). (Background: Fulvous-vented Euphonia). © Andrew Spencer.

2838 1 Bay-headed Tanager 1 Song 0:28 Tangara gyrola (29/10/2005 07:00h, Cerro Humo, Sucre, Venezuela, 10.41N,62.37W) © Nick Athanas.

2838 2 Bay-headed Tanager 2 Song 0:09 Tangara gyrola deleticia. RNA Arrierito Antioqueño, Anori-, Antioquia, Colombia, 1400m, 13:30h, 18-06-2011, N6.59°10' W75.73°0", song, natural vocalization © Andrew Spencer.

2838 3 Bay-headed Tanager 3 Call 0:26 Tangara gyrola (30/4/1995 09:00h, Serrania de San Luis, Falcon, Venezuela, 11.12N,69.42W) © Peter Boesman

2840 1 Golden-eared Tanager 1 Call 0:48 Tangara chrysotis. Afluente, San Martin, Peru, 1400m, 08:40h, 02-01-2010, Two call types in this cut, from a pair of birds near a nest. © Andrew Spencer.

2841 1 Saffron-crowned Tanager 1 Call 0:30 Tangara xanthocephala (19/12/2000 15:15h, Yacambu NP, Lara, Venezuela, 09.43N,69.35W) © Chris Sharpe

2841 2 Saffron-crowned Tanager 2 Call 0:45 Tangara xanthocephala. (06-05-2008 10:03h, Villa Rica area, Pasco, Peru, 1830m, S10.47°0' W75.17°0"). Calls from a single bird that was foraging at low levels in a tree. © Nick Athanas.

2841 3 Saffron-crowned Tanager 3 Call 0:17 Tangara xanthocephala (9th February 2011 10h00. RNA Las Tangaras near Carmen del Atrato, Antioquia, Colombia). © Peter Boesman.

2842 1 Flame-faced Tanager 1 Call 0:40 Tangara parzudakii (30/12/2007 13:30h, Abra Patricia road, San Martin, Peru, 05.50S,77.46W) © Peter Boesman

2843 1 Green-and-gold Tanager 1 Call 0:34 Tangara schrankii (29/7/2009 08:30h, Pantiacolla Lodge, Madre de Dios, Peru, 12.39S,71.14W) © Peter Boesman

2843 2 Green-and-gold Tanager 2 Call 0:24 Tangara schrankii (29/7/2009 08:30h, Pantiacolla Lodge, Madre de Dios, Peru, 12.39S,71.14W) © Peter Boesman

2844 1 Blue-whiskered Tanager 1 Call 0:04 Tangara johannae. Rio Silanche, Pedro Vicente Maldonado, Pichincha, Ecuador, 400m, 08:00h, 14-01-2008, N0.8°35' W79.8°0", Calls from a single bird as flew out of a fruiting tree and over my head © Andrew Spencer.

2845 1 Golden Tanager 1 Song 0:11 Tangara arthus (8/3/1997 12:00h, Yacambu NP, Lara, Venezuela, 09.43N,69.35W) © Peter Boesman.

2845 2 Golden Tanager 2 Call 0:04 Tangara arthus (8/3/1997 12:00h, Yacambu NP, Lara, Venezuela, 09.43N,69.35W) © Peter Boesman

2845 3 Golden Tanager 3 Call 0:14 Tangara arthus (8/3/1997 12:00h, Yacambu NP, Lara, Venezuela, 09.43N,69.35W) © Peter Boesman.

2845 4 Golden Tanager 4 Call 0:08 Tangara arthus (5/8/2006 17:00h, Yacambu NP, Lara, Venezuela, 09.43N,69.35W) © Nick Athanas.

2846 1 Emerald Tanager 1 call 0:06 Tangara florida. (Cristal, Esmeraldas, Ecuador, 1400m, 15:00h, 19-01-2008, N0.49°25' W78.30°50"), Calls as the bird flew from a fruiting tree. © Andrew Spencer.

2846 2 Emerald Tanager 2 call 0:13 Tangara florida. (Omar Torrijos N.P., El Cope, Cooce province, Panama, 700m, 9:00h, 12-09-2010, N8.26°17' W80.40°54"), © Ken Allaire.

2846 3 Emerald Tanager 3 call 0:13 Tangara florida. (Omar Torrijos N.P., El Cope, Cooce, Panama, 700m, 9:00h, 12-09-2010, N8.26°17' W80.40°54"). © Ken Allaire.

2847 1 Silver-throated Tanager 1 call 0:29 Tangara ictercephala. (15th March 2010 17h00, area around Kiri lodge near Tapanti NP, 1200m elev., Cartago, Costa Rica). © Peter Boesman.

2848 1 Swallow Tanager 1 Call and song 0:52 Tersina viridis (3/1/2008 09:30h, Tarapoto tunnel road, San Martin, Peru, 06.25S,76.15W) © Peter Boesman

2848 2 Swallow Tanager 2 Call 0:13 Tersina viridis (30/6/1996, Colonia Tovar area, Aragua, Venezuela, 10.24N,67.20W) © Peter Boesman

2849 1 White-bellied Dacnis 1 Song 0:08 Dacnis albiventris. (Yasuni Research Station, Parque Nacional Yasuni, Orellana, Ecuador, 280m, 08:22h, 06-01-2008, S0.40°27' W76.23°52"). Spontaneous song from a male singing from the canopy, and well seen from the canopy tower. © Andrew Spencer.

2849 2 White-bellied Dacnis 2 Call 0:14 Dacnis albiventris. (Yasuni Research Station, Parque Nacional Yasuni, Orellana, Ecuador, 280m, 08:35h, 06-01-2008, S0.40°27' W76.23°52"). Three different call types as a male flew overhead. © Andrew Spencer.

2850 1 Black-faced Dacnis 1 Call 0:20 Dacnis lineata lineata. (Yasuni- Research Station, Parque Nacional Yasuni-, Orellana, Ecuador, 250m, 12:30h, 22-08-2010, S0.40°27' W76.23°52"). © Andrew Spencer.

2851 1 Yellow-bellied Dacnis 1 Call () 0:16 Dacnis flaviventris (La Selva lodge, Napo, Ecuador, 00.30S,76.30W) © John Moore

2852 1 Turquoise Dacnis 1 Call 0:09 Dacnis hartlaubi. RNA Reinita Cielo Azul, San Vicente de Chucuri, Santander, Colombia, 1275m, 09:03h, 06-02-2007, N6.50°47' W73.22°30", High pitched calls from a perched male. Call notes at 0.5s, 2.6s, 7.3s. © Nick Athanas.

2855 1 Blue Dacnis 1 Call 0:06 Dacnis cayana (31/7/2002 09:30h, El Pauji road, Bolivar, Venezuela, 04.36N,61.30W) © Peter Boesman

2857 1 Scarlet-breasted Dacnis 1 Call 0:37 Dacnis berlepschi. Humedal del Yalare, Esmeraldas, Ecuador, 30m, 11:20h, 18-01-2008, N1.6°0' W78.51°0", Calls from a group of one male and three females down low in a fruiting tree © Andrew Spencer.

2858 1 Short-billed Honeycreeper 1 Call 0:15 Cyanerpes nitidus. (08-12-2008 8:0h, Afuasi, San Martin, Peru, 300m). Male. (Background: Mishana Tyrannulet). © David Geale.

2858 2 Short-billed Honeycreeper 2 Call 0:25 Cyanerpes nitidus. (Cristalino Jungle Lodge, MT, Brazil, 250m, 16:00h, 09-09-2009, S9.35°53' W55.55°55"). Calls from a pair. © Andrew Spencer.

2858 3 Short-billed Honeycreeper 3 Call 0:15 Cyanerpes nitidus. Mitu, Vaupes, Colombia, 190m, 15:00h, 08-06-2011, N1.14°45' W70.13°44", Calls from an adult male bird. © Andrew Spencer.

2859 1 Shining Honeycreeper 1 call 0:22 Cyanerpes lucidus. (La Selva, Sarapiquí, Heredia, Costa Rica, 35m, 16:18h, 14-02-2010, N10.25°53' W84.2°20"). (Background: Olive-backed Euphonia). © Scott Olmstead.

2860 1 Purple Honeycreeper 1 Song QQ 1:29 Cyanerpes caeruleus microhynchus. Mitu, Vaupes, Colombia, 190m, 09:40h, 09-06-2011, N1.14°45' W70.13°44"). Song? from a male bird perched on an exposed perch. © Andrew Spencer.

2860 2 Purple Honeycreeper 2 Call
0:17 *Cyanerpes caeruleus*. (Cristalino Jungle Lodge, MT, Brazil, 250m, 10:00h, 04-10-2009, S9.35°53' W55.55°55'). © Andrew Spencer.

2860 3 Purple Honeycreeper 3 Call
0:20 *Cyanerpes caeruleus* (26/12/1996 08:00h, Rio Negro/Rio Frio area, Tachira, Venezuela, 07.36N,72.12W). The high-pitched calls. © Peter Boesman

2861 1 Red-legged Honeycreeper 1 Call
0:29 *Cyanerpes cyaneus* (3/2/2004, Crasto forest, Sergipe, Brazil, 11.25S,37.25W) © Peter Boesman

2861 2 Red-legged Honeycreeper 2 Call
0:10 *Cyanerpes cyaneus* (3/2/2004 09:00h, Crasto forest, Sergipe, Brazil, 11.25S,37.25W) © Peter Boesman

2861 3 Red-legged Honeycreeper 3 Call
0:37 *Cyanerpes cyaneus* (10/4/2003 18:00h, Bonampak, Chiapas, Mexico, 16.42N,91.05W) © Peter Boesman

2862 1 Green Honeycreeper 1 Call
0:31 *Chlorophanes spiza* (08-08-2008 10:23h, Reserva Volta Velha, Itapoa, SC, Brazil, 5m, S26.50' W48.38'0"). Foraging low in a fruiting tree at close range. (Background: Bare-throated Bellbird, Spot-backed Antshrike). © Nick Athanas.

2864 1 Scarlet-browed Tanager 1 Song
0:28 *Heterospingus xanthopygius*. RNA El Pauji, Santander, Colombia, 300m, 16:31h, 03-02-2007, N6.259' W74.1541", song, Male. . also: Little Tinamou, Western Slaty-Antshrike, Sepia-capped Flycatcher. © Nick Athanas.

2864 2 Scarlet-browed Tanager 2 Song
1:07 *Heterospingus xanthopygius* berliozii. Rio Silanche, Pedro Vicente Maldonado, Pichincha, Ecuador, 450m, 11:40h, 09-09-2010, N0.8°35' W79.8°0'. Quiet song from a bird in a fruiting tree © Andrew Spencer.

2864 3 Scarlet-browed Tanager 3 Call
0:31 *Heterospingus xanthopygius*. Trail to the Rio Mira 4 km. west of Alto Tambo, Esmeraldas, Ecuador, 09:00h, 20-01-2008, N0.57°22' W78.32°54", calls © Andrew Spencer.

2865 1 Guira Tanager 1 Song
0:27 *Hemithraupis guira* (25/12/1996 17:00h, La Petrolea area, Tachira, Venezuela, 07.38N,72.21W) © Peter Boesman

2865 2 Guira Tanager 2 Call and song
0:22 *Hemithraupis guira* (31/7/2002 11:00h, El Pauji road, Bolivar, Venezuela, 04.36N,61.30W) © Peter Boesman

2867 1 Yellow-backed Tanager 1 Calls
0:15 *Hemithraupis flavicollis* (Yasuni Reserve, Napo, Ecuador, 01.00S,75.30W) © John Moore

2869 1 Scarlet-and-white Tanager 1 Call
0:49 *Chrysothlypis salmomi*. 7 km west of Lita, Esmeraldas, Ecuador, 650m, 14:45h, 31-08-2006, N0.53°0' W78.31°0', Calls from a pair moving with a mixed species flock. © Nick Athanas.

2869 2 Scarlet-and-white Tanager 2 Call
0:50 *Chrysothlypis salmomi*. Trail to the Rio Mira 4 km. west of Alto Tambo, Esmeraldas, Ecuador, 500m, 09:20h, 20-01-2008. At least three different call types from a male in a fruiting tree, followed by calls from two males © Andrew Spencer.

2870 1 Chestnut-vented Conebill 1 Song
0:40 *Conirostrum speciosum* amazonum. (Paquisha, Zamora-Chinchepe, Ecuador, 840m, 06:20h, 11-08-2011, S3.5551° W78.40°37'). Song, natural vocalization; from a bird singing from a small tree in the middle of town. © Andrew Spencer.

2870 2 Chestnut-vented Conebill 2 Song
0:21 *Conirostrum speciosum* (18/7/2005 16:30h, Chapada dos Guimaraes, Mato Grosso, Brazil, 15.20S,55.50W) © Peter Boesman

2870 3 Chestnut-vented Conebill 3 Call and song
0:07 *Conirostrum speciosum* (18/7/2005 16:30h, Chapada dos Guimaraes, Mato Grosso, Brazil, 15.20S,55.50W) © Peter Boesman

2870 4 Chestnut-vented Conebill 4 Call
0:35 *Conirostrum speciosum* (28/7/2004 08:15h, Carmo road, Rio de Janeiro, Brazil, 21.52S,42.35W) © Peter Boesman

2871 1 White-eared Conebill 1 Song
0:38 *Conirostrum leucogenys* (4/6/1995 17:00h, Canoabo area, Carabobo, Venezuela, 10.20N,68.18W) © Peter Boesman

2871 2 White-eared Conebill 2 Song
0:09 *Conirostrum leucogenys* (16/3/1997 11:00h, Canoabo area, Carabobo, Venezuela, 10.20N,68.18W) © Peter Boesman.

2872 1 Bicolored Conebill 1 Song
0:35 *Conirostrum bicolor* (4/8/2002 06:30h, Laguna Unare, Anzoategui, Venezuela, 10.07N,65.20W) © Peter Boesman

2872 2 Bicolored Conebill 2 Song ()
0:20 *Conirostrum bicolor* (29th July 2010 6h30, Padre Island near Cumaceba lodge, Loreto, Peru, 3°38' S, 73°08' W). © Peter Boesman.

2872 3 Bicolored Conebill 3 Short song
0:13 *Conirostrum bicolor* (February 2009, Morrocoy NP, Falcon, Venezuela, 10.07N,65.20W) © Hans Matheve.

2872 4 Bicolored Conebill 4 Call
0:22 *Conirostrum bicolor* (4/8/2002 06:30h, Laguna Unare, Anzoategui, Venezuela, 10.07N,65.20W) © Peter Boesman.

2872 5 Bicolored Conebill 5 Call
0:30 *Conirostrum bicolor* (4/8/2002 06:30h, Laguna Unare, Anzoategui, Venezuela, 10.07N,65.20W) © Peter Boesman

2872 6 Bicolored Conebill 6 Call
1:01 *Conirostrum bicolor* (February 2009, Morrocoy NP, Falcon, Venezuela, 10.07N,65.20W) © Hans Matheve.

2874 1 Cinereous Conebill 1 Song
0:38 *Conirostrum cinereum* (23/7/2008 08:30h, Lomas de Lachay, Lima, Peru, 11.20S,77.30W) © Peter Boesman.

2874 2 Cinereous Conebill 2 Song
0:10 *Conirostrum cinereum* (9/1/2008 07:00h, Cruz Conga area, Cajamarca, Peru, 07.05S,78.20W) © Peter Boesman.

2874 3 Cinereous Conebill 3 Song
0:30 *Conirostrum cinereum* (24/7/2008 12:30h, Llanganuco lake area, Ancash, Peru, 09.10S,77.40W) © Peter Boesman.

2875 1 Blue-backed Conebill 1 Song
0:30 *Conirostrum sitticolor* © Paul Schwartz

2875 2 Blue-backed Conebill 2 Song
0:43 *Conirostrum sitticolor* (7th February 2011 8h00. RNA El Colibri del Sol, Páramo de Frontino, Antioquia, Colombia, 3130m, 6.26°17'N, 76.5°18' W). © Peter Boesman.

2875 3 Blue-backed Conebill 3 Call
0:12 *Conirostrum sitticolor* (16/12/1996 07:00h, Páramo del Batallon, Tachira, Venezuela, 08.09N,71.57W) © Peter Boesman.

2876 1 Capped Conebill 1 Song
0:46 *Conirostrum albifrons* (1/3/1997 09:00h, Colonia Tovar area, Aragua, Venezuela, 10.24N,67.20W) © Peter Boesman

2876 2 Capped Conebill 2 Song
0:30 *Conirostrum albifrons* (31/7/2009 09:00h, Manu Andean Slope, Cuzco, Peru, 13.10S,71.30W) © Peter Boesman.

2876 3 Capped Conebill 3 Song
0:33 *Conirostrum albifrons* albifrons. RNA Loro Orejiamarillo, Jardín, Antioquia, Colombia, 2700m, 14:00h, 28-07-2008, N5.32°20' W75.48°16", song © Andrew Spencer.

2877 1 Rufous-browed Conebill 1 Song
0:18 *Conirostrum rufum* Humedal de Cordoba, Bogota, Cundinamarca, Colombia, 2600m, 10:30h, 10-08-2007, © Bernabe Lopez-Lanus.

2877 2 Rufous-browed Conebill 2 Song
0:08 *Conirostrum rufum*. Humedal de Cordoba, Bogota, Cundinamarca, Colombia, 2600m, 10:30h, 10-08-2007, Song © Bernabe Lopez-Lanus.

2877 3 Rufous-browed Conebill 3 Call
0:11 *Conirostrum rufum*. (Parque Nacional Natural Chingaza, Cundinamarca, Colombia, 2900m, 06:40h, 06-06-2011, N4.4449° W73.51°21'). Calls from a perched bird, with the last couple of calls as it took off. © Andrew Spencer.

2880 1 Giant Conebill 1 Song
0:22 *Oreomanes fraseri* (25/7/2008 09:00h, Llanganuco lake area, Ancash, Peru, 09.10S,77.40W) © Peter Boesman.

2880 2 Giant Conebill 2 Song
0:56 *Oreomanes fraseri* (25/7/2008 10:00h, Llanganuco lake area, Ancash, Peru, 09.10S,77.40W) © Peter Boesman.

2882 1 Chestnut-bellied Flowerpiercer 1 Song
1:01 *Diglossa gloriosissima* (7th February 2011 11h00. RNA El Colibri del Sol, Páramo de Frontino, Antioquia, Colombia, 3200m, 6.26°17'N, 76.5°18' W). © Peter Boesman.

2882 2 Chestnut-bellied Flowerpiercer 2 Song
0:55 *Diglossa gloriosissima* boyley. RNA El Colibri del Sol, Páramo de Frontino, Antioquia, Colombia, 3500m, 10:45h, 15-02-2007, N6.26°17' W76.5°18", song, Response to playback. © Nick Athanas.

2882 3 Chestnut-bellied Flowerpiercer 3 Call
0:09 *Diglossa gloriosissima*. RNA El Colibri del Sol, Paramo de Frontino, Antioquia, Colombia, 3250m, 12:50h, 20-06-2011, N6.26°17' W76.5°18", call, natural vocalization from a bird loosely associating with a large mixed flock. © Andrew Spencer.

2883 1 Glossy Flowerpiercer 1 Song
0:23 *Diglossa lafresnayii*. (June 1999, Yanacocha, Volcan Pichincha, Pichincha, Ecuador, 3500m). Last interval shortened. John V. Moore.

2883 2 Glossy Flowerpiercer 2 Song
1:49 *Diglossa lafresnayii*. (3rd January 2010 13h15. Paramo Navarco, Quindio/Tolima, Colombia, 3200m, 4°28'27"N 75°33'25"W). © Peter Boesman.

2883 3 Glossy Flowerpiercer 3 Song
2:53 *Diglossa lafresnayii*. El Bosque, Reserva Zona Alta Rio Quindio, Quindio, Colombia, 3400m, 09:08h, 21-11-1998, Song, Also alarm call of *Cistothorus platensis* tolimae © Bernabe Lopez-Lanus.

2883 4 Glossy Flowerpiercer 4 Song
0:11 *Diglossa lafresnayii* (11/10/1992 , Guaramacal NP, Trujillo, Venezuela, 09.10N,70.11W) © Peter Boesman.

2886 1 Black Flowerpiercer 1 Song
0:21 *Diglossa humeralis*. (January 1993, Paschoa, Pichincha, Ecuador; 3300m). Niels Krabbe.

2886 2 Black Flowerpiercer 2 Song
0:26 *Diglossa humeralis*. (10th February 2011 8h00. Nevada del Ruiz, Caldas, Colombia 4°54'N, 75°19'W). © Peter Boesman.

2887 1 Black-throated Flowerpiercer 1 Song
0:48 *Diglossa brunneiventris* (7th February 2011 11h00. RNA El Colibri del Sol, Páramo de Frontino, Antioquia, Colombia, 3200m, 6.26°17'N, 76.5°18' W). © Peter Boesman.

2887 2 Black-throated Flowerpiercer 2 Song
0:49 *Diglossa brunneiventris* (7th February 2011 11h00. RNA El Colibri del Sol, Páramo de Frontino, Antioquia, Colombia, 3200m, 6.26°17'N, 76.5°18' W). © Peter Boesman.

2887 3 Black-throated Flowerpiercer 3 Song
1:05 *Diglossa brunneiventris* vuilleumieri. RNA El Colibri del Sol, Paramo de Frontino, Antioquia, Colombia, 3460m, 11:52h, 07-03-2010, N6.26°17' W76.5°18", song, © Nick Athanas.

2890 1 White-sided Flower-piercer 1 Song
1:00 *Diglossa albilatera* (30/11/1997, El Jarillo Road, Miranda, Venezuela, 10.21N,67.10W) © Chris Sharpe

2890 2 White-sided Flower-piercer 2 Song
0:15 *Diglossa albilatera* (31/7/2000 09:00h, El Morro - Aricagua road, Merida, Venezuela, 08.17N,71.09W) © Peter Boesman

2890 3 White-sided Flower-piercer 3 Song
0:21 *Diglossa albilatera* albilatera. RNA El Dorado, Sierra de Santa Marta, Magdalena, Colombia, 2550m, 07:51h, 02-11-2007, N11.6°28' W74.2°55", song, Male. © Nick Athanas.

2890 4 White-sided Flower-piercer 4 Song
0:21 *Diglossa albilatera* (7th January 2010 12h30. Onzaga road near Soata, Boyaca, Colombia, 6°20'11"N 72°44'11"W). © Peter Boesman.

2890 5 White-sided Flower-piercer 5 Song
0:39 *Diglossa albilatera* (30th December 2009 6h00. R.N. Rio Blanco, Caldas, Colombia, 2600m, 5°5' N 75°30'W). © Peter Boesman.

2893 1 Indigo Flowerpiercer 1 Song
1:00 *Diglossa indigotica*. Road to San Jose del Palmar, Serrania de las Paraguas, Choco, Colombia, 1750m, 06:45h, 31-07-2008, Song © Andrew Spencer.

2893 2 Indigo Flowerpiercer 2 Song
0:28 *Diglossa indigotica*. RNA Las Tangaras, Choco, Colombia, 1800m, 08:20h, 24-06-2011, N5.43°44' W76.14°38", song, in response to playback © Andrew Spencer.

2893 3 Indigo Flowerpiercer 3 Call
1:00 *Diglossa indigotica*. Road to San Jose del Palmar, Serrania de las Paraguas, Choco, Colombia, 1800m, 12:10h, 31-07-2008, Call © Andrew Spencer.

2894 1 Rusty Flower-piercer 1 Song
0:29 *Diglossa sittoides* (6/1/2008 08:30h, Pedro Ruiz area, Amazonas, Peru, 05.50S,78.00W) © Peter Boesman

2895 1 Deep-blue Flower-piercer 1 Call and song
0:18 *Diglossopsis glauca* (5/8/2008 08:45h, Lower Satipo road, Junin, Peru, 11.30S,74.50W) © Peter Boesman.

2895 2 Deep-blue Flower-piercer 2 Call and song
0:47 *Diglossa glauca*. La Guatemala, along the Rio Zúñag, Tungurahua, Ecuador, 1250m, 12:30h, 05-08-2010, Song and calls © Andrew Spencer.

2896 1 Bluish Flower-piercer 1 Song 0:26 Diglossopsis caerulescens (13/2/2006 08:00h, Huacamayos ridge, Napo, Ecuador, 00.37S,77.52W) © Peter Boesman

2896 2 Bluish Flower-piercer 2 Song 0:22 Diglossopsis caerulescens (30/12/1997 08:00h, Guaramacal NP, Trujillo, Venezuela, 09.10N,70.11W) © Peter Boesman

2896 3 Bluish Flower-piercer 3 Song 0:46 Diglossopsis caerulescens (5th February 2011 16h30, Jardín, Antioquia, Colombia 6° 58' 03" N, 75° 31' 38" W). © Peter Boesman.

2896 4 Bluish Flower-piercer 4 Call 0:18 Diglossopsis caerulescens (31/7/2009 08:00h, Manu Andean Slope, Cuzco, Peru, 13.10S,71.30W) © Peter Boesman

2897 1 Masked Flower-piercer 1 Song 0:18 Diglossopsis cyanea (1/3/1997 08:00h, Colonia Tovar area, Aragua, Venezuela, 10.24N,67.20W) © Peter Boesman.

2897 2 Masked Flower-piercer 2 Song 0:18 Diglossopsis cyanea (19/12/1996 06:00h, Páramo del Zumbador, Tachira, Venezuela, 08.00N,72.00W) © Peter Boesman.

2897 3 Masked Flower-piercer 3 Song 0:41 Diglossopsis cyanea (26/12/1997 17:00h, Dinira National Park, Lara, Venezuela, 09.42N,70.03W) © Peter Boesman

2897 4 Masked Flower-piercer 4 Song 0:41 Diglossa cyanea. Bogota-Quebrada la Vieja, Colombia, 2800m, 06:00h, 12-12-2002, © Doug Knapp.

2898 1 Plushcap 1 Song 0:43 Catamblyrhynchus diadema (14/8/2006 08:00h, Pico Humboldt trail, Merida, Venezuela, 08.36N,71.05W) © Nick Athanas

2898 2 Plushcap 2 Song 0:46 Catamblyrhynchus diadema. (04-12-2008 10:00h, Abra Malaga, Peru, 3500m, S13.77° W72.20'13"). Song after playback. © Fabrice Schmitt.

2898 3 Plushcap 3 Call 0:15 Catamblyrhynchus diadema diadema. Parque Nacional Natural Chingaza, Cundinamarca, Colombia, 3000m, 14:00h, 06-06-2011, N4.44'49" W73.51'21". Calls from an adult bird. © Andrew Spencer.

2899 1 Black-backed Bush-Tanager 1 Call 0:30 Urothraupis stolzmanni. Papallacta Pass, Napo, Ecuador, 3600m, 10:40h, 13-01-2008, S0.19'56" W78.12'11", Calls from a flock of about five birds on the edge of a polylepis grove © Andrew Spencer.

2900 1 Dusky-faced Tanager 1 call 0:16 Mitrospingus cassinii (20/12/1993 , Rio Palenque, Los Rios, Ecuador, 00.25S,79.25W) © Peter Boesman

2900 2 Dusky-faced Tanager 2 call 0:14 Mitrospingus cassinii (25/2/1996 , Achioter road, Colón, Panama,) © Dodge Engleman

2902 1 Rosy Thrush-Tanager 1 Song 0:37 Rhodinocichla rosea (30/4/1995 09:45h, Serrania de San Luis, Falcon, Venezuela, 11.12N,69.42W) © Peter Boesman

2902 2 Rosy Thrush-Tanager 2 Song 0:45 Rhodinocichla rosea (30/4/1995 08:30h, Serrania de San Luis, Falcon, Venezuela, 11.12N,69.42W) © Peter Boesman.

2902 3 Rosy Thrush-Tanager 3 Song 0:23 Rhodinocichla rosea (2/2/1997 06:00h, Morrocoy NP, Falcon, Venezuela, 10.51N,68.18W) © Peter Boesman.

2902 4 Rosy Thrush-Tanager 4 Song 0:22 Rhodinocichla rosea (10/12/2001 , Quibor - Sanare road, Lara, Venezuela, 09.48N,69.36W) © Mark Van Beirs.

2902 5 Rosy Thrush-Tanager 5 Song 0:29 Rhodinocichla rosea (February 2009, Quibor - Sanare road, Lara, Venezuela, 09.48N,69.36W) © Hans Matheve.

2902 6 Rosy Thrush-Tanager 6 Song 1:26 Rhodinocichla rosea harterli. Clarita Botero, Ibague, Tolima, Colombia, 1700m, 07:50h, 01-07-2011, N4.28'8" W75.13'41", Song from a pair of birds. © Andrew Spencer.

2902 7 Rosy Thrush-Tanager 7 Song 0:33 Rhodinocichla rosea. Clarita Botero, Ibague, Tolima , Colombia, 1450m, 07:20h, 17-12-2007, N4.28'8" W75.13'41", song, Not seen. also: Immaculate Antbird © Nick Athanas.

2902 8 Rosy Thrush-Tanager 8 Call 0:37 Rhodinocichla rosea harterli. Clarita Botero, Ibague, Tolima, Colombia, 1700m, 07:50h, 01-07-2011, N4.28'8" W75.13'41", Calls (or simple song)? from one of a pair. © Andrew Spencer.

2903 1 Bananaquit 1 Song 0:40 Coereba flaveola (30/7/2003 17:00h, Balneario Subucual, Sucre, Venezuela, 10.33N,63.06W) © Peter Boesman

2903 2 Bananaquit 2 Song 0:29 Coereba flaveola (29/7/2003 10:00h, Finca Vuelta Larga, Sucre, Venezuela, 10.30N,63.00W) © Peter Boesman.

2903 3 Bananaquit 3 Song 0:33 Coereba flaveola (23/7/2002 06:00h, Rio Grande area, Bolivar, Venezuela, 08.03N,61.40W) © Peter Boesman.

2903 4 Bananaquit 4 Song 0:38 Coereba flaveola (29/7/2002 09:30h, Gran Sabana northern side, Bolivar, Venezuela, 05.40N,61.20W) © Peter Boesman.

2903 5 Bananaquit 5 Song 0:16 Coereba flaveola (1/11/1993 , Junglaven area, Amazonas, Venezuela, 05.00N,66.23W) © Peter Boesman.

2903 6 Bananaquit 6 Song 0:18 Coereba flaveola (25/7/2000 09:00h, Rio Frio road, Merida, Venezuela, 08.52N,71.20W) © Peter Boesman.

2903 7 Bananaquit 7 Song 0:20 Coereba flaveola (27/7/2000 13:00h, Finca Monteverde at Olinda II, Merida, Venezuela, 08.45N,71.28W) © Peter Boesman.

2903 8 Bananaquit 8 Call 0:25 Coereba flaveola (3/1/2008 18:00h, Morro de Calzada, San Martín, Peru, 06.00S,77.05W) © Peter Boesman

2903 9 Bananaquit 9 Call 0:19 Coereba flaveola (24/11/1996 07:00h, Casa Maria, Carabobo, Venezuela, 10.19N,68.15W) © Peter Boesman.

2904 1 Yellow-faced Grassquit 1 Song 0:18 Tiaris olivacea (5/6/2000 10:00h, Gomez Farias area, Tamaulipas, Mexico, 23.00N,99.06W) © Peter Boesman

2904 2 Yellow-faced Grassquit 2 Song 0:29 Tiaris olivaceus. (17th March 2010 06h00, Tapantí NP, 1200m elev., Cartago, Costa Rica). © Peter Boesman.

2904 3 Yellow-faced Grassquit 3 Song 0:21 Tiaris olivacea (14/3/1996 , Cerro Jefe, Panamá, Panama,) © Dodge Engleman

2904 4 Yellow-faced Grassquit 4 Song 0:35 Tiaris olivacea (4th January 2010 8h20, Juntas, Tolima, Colombia, 4°33'56"N 75°19'38"W). © Peter Boesman.

2904 5 Yellow-faced Grassquit 5 Song 0:26 Tiaris olivacea (3rd January 2010 8h15, Bosque Bremen, Quindío, Colombia, 4°40'26"N 75°37'5"W). (Background: Yellow-bellied Seedeater). © Peter Boesman.

2905 1 Dull-colored Grassquit 1 Song 1:00 Tiaris obscurus (8/1/2008 07:50h, Balsas area, Amazonas, Peru, 06.50S,78.00W) © Peter Boesman

2905 2 Dull-colored Grassquit 2 Song 1:14 Tiaris obscurus. Laguna de Pedro Palo, Tenca, Cundinamarca, Colombia, 18-03-2000, Song © Bernabe Lopez-Lanus.

2905 3 Dull-colored Grassquit 3 Song 0:57 Tiaris obscura (16/8/2007 08:00h, Nirgua area, San Felipe, Venezuela, 10.15N,68.30W) © Peter Boesman.

2905 4 Dull-colored Grassquit 4 Song 0:23 Tiaris obscurus. El 18, Valle del Cauca, Colombia, 7m, 08:10h, 17-07-2008, Song. also: Azara's Spinetail, Tropical Parula © Andrew Spencer.

2906 1 Sooty Grassquit 1 Song 1:01 Tiaris fuliginosa (5/2/2004, Boa Nova humid area, Bahia, Brazil, 14.30S,40.05W) © Peter Boesman

2906 2 Sooty Grassquit 2 Call 0:31 Tiaris fuliginosus. (10km north of Sumidouro, RJ, Brazil, 300m, 08:30h, 22-06-2006, S21.56'38" W42.41'31"). Calls from a male. These are the high-pitched notes. © Nick Athanas.

2907 1 Black-faced Grassquit 1 Song 0:26 Tiaris bicolor (22/7/2000 06:00h, Quibor - Sanare road, Lara, Venezuela, 09.48N,69.36W) © Peter Boesman

2907 2 Black-faced Grassquit 2 Song 1:09 Tiaris bicolor (5th January 2010 6h00, Mana Dulce, Tolima, Colombia, 4° 21' 04"N 74° 39' 06"W). (Background: Cocoa Woodcreeper). © Peter Boesman.

2922 1 Slate-colored Grosbeak 1 Song 0:42 Saltator grossus (March 2009, La Escalera, Bolivar, Venezuela) © Hans Matheve.

2922 2 Slate-colored Grosbeak 2 Song 0:19 Saltator grossus (24/3/1997 08:00h, Lower Rio Caura area, Bolivar, Venezuela, 07.15N,65.00W) © Peter Boesman.

2922 3 Slate-colored Grosbeak 3 Song 0:28 Saltator grossus (13/2/1994 , Rio Grande area, Bolivar, Venezuela, 08.03N,61.40W) © Peter Boesman.

2922 4 Slate-colored Grosbeak 4 Song 0:22 Saltator grossus (4th February 2011 9h30, Rio Claro, Doradal, Antioquia, Colombia, 1500m, 5.54°0' N, 74.50'54" W). © Peter Boesman.

2922 5 Slate-colored Grosbeak 5 Song 0:26 Saltator grossus (23rd July 2010 6h00, ACTS Explornapo, Loreto, Peru, 120 m. 3°10' S, 72°55' W). © Peter Boesman.

2922 6 Slate-colored Grosbeak 6 Call 0:13 Saltator grossus (30/10/1993 , Lower Rio Caura area, Bolivar, Venezuela, 07.15N,65.00W) © Peter Boesman

2922 7 Slate-colored Grosbeak 7 Call 0:14 Saltator grossus (14/2/1994 , Rio Grande area, Bolivar, Venezuela, 08.03N,61.40W) © Peter Boesman

2924 1 Buff-throated Saltator 1 Song 0:56 Saltator maximus (2/8/2000 08:00h, Campamento La Trampa, Tachira, Venezuela, 07.55N,71.43W) © Peter Boesman

2924 2 Buff-throated Saltator 2 Song 0:44 Saltator maximus (4th February 2011 8h30, Rio Claro, Doradal, Antioquia, Colombia, 1500m, 5.54°0' N, 74.50'54" W). © Peter Boesman.

2924 3 Buff-throated Saltator 3 Song 0:32 Saltator maximus (22/7/1996 , Palmichal area, Carabobo, Venezuela, 10.21N,68.12W) © Peter Boesman.

2924 4 Buff-throated Saltator 4 Song 0:32 Saltator maximus (3rd February 2011 8h00, RNA El Paujil, Santander, Colombia, 310m, 6.2°59' N, 74.15'41" W). © Peter Boesman.

2924 6 Buff-throated Saltator 6 Call 0:26 Saltator coerulescens (25/7/2009 07:00h, Cocha Camungo, Madre de Dios, Peru, 12.25S,70.40W) © Peter Boesman

2924 7 Buff-throated Saltator 7 Call 0:16 Saltator maximus (2/8/2000 09:00h, Campamento La Trampa, Tachira, Venezuela, 07.55N,71.43W) © Peter Boesman.

2924 8 Buff-throated Saltator 8 Call 0:08 Saltator maximus (7/8/2003 09:15h, Rio Grande area, Bolivar, Venezuela, 08.03N,61.40W) © Peter Boesman.

2925 1 Black-winged Saltator 1 Song 0:38 Saltator atripennis (4th January 2010 8h10, Juntas, Tolima, Colombia, 4°33'56"N 75°19'38"W). © Peter Boesman.

2925 2 Black-winged Saltator 2 Song 0:31 Saltator atripennis (4th January 2010 8h10, Juntas, Tolima, Colombia, 4°33'56"N 75°19'38"W). © Peter Boesman.

2926 1 Grayish Saltator 1 Song 0:24 Saltator coerulescens (25/7/2000 09:00h, Rio Frio road, Merida, Venezuela, 08.52N,71.20W) © Peter Boesman.

2926 2 Grayish Saltator 2 Song 0:15 Saltator coerulescens (5/7/1997 06:00h, Posada Puente de Piedra, Falcon, Venezuela, 11.30N,69.17W) © Peter Boesman.

2926 3 Grayish Saltator 3 Song 0:18 Saltator coerulescens (29/7/2003 07:30h, Finca Vuelta Larga, Sucre, Venezuela, 10.30N,63.00W) © Peter Boesman.

2926 4 Grayish Saltator 4 Call 0:23 *Saltator coerulescens* (6/4/2002 10:00h, Cerro de San Juan, Nayarit, Mexico, 21.25N,104.55W) © Peter Boesman.

2929 1 Orinocan Saltator 1 Song 0:22 *Saltator orenocensis* (22/7/2000 11:00h, Guadeloupe area, Lara, Venezuela, 10.02N,69.40W) © Peter Boesman.

2929 2 Orinocan Saltator 2 Song 0:22 *Saltator orenocensis* (22/7/2000 11:00h, Guadeloupe area, Lara, Venezuela, 10.02N,69.40W) © Peter Boesman.

2929 3 Orinocan Saltator 3 Song 0:26 *Saltator orenocensis* (1/6/1985 , Embalse de Camatagua, Aragua, Venezuela, 09.49N,66.56W) © Chris Parrish.

2929 4 Orinocan Saltator 4 Song 0:17 *Saltator orenocensis* (0/1/1900 , Zero Location, , ,) © Paul Schwartz.

2929 5 Orinocan Saltator 5 Call 0:21 *Saltator orenocensis* (22/7/2000 11:00h, Guadeloupe area, Lara, Venezuela, 10.02N,69.40W) © Peter Boesman.

2929 6 Orinocan Saltator 6 Call 0:46 *Saltator orenocensis*. Rio Rancheria (desembocadura), Riohacha, La Guajira, Colombia, 2m, 16:00h, 31-10-2000, Call © Bernabe Lopez-Lanus.

2932 1 Streaked Saltator 1 Song 0:37 *Saltator striatipectus* (10/2/1997 08:00h, Morrocoy NP, Falcon, Venezuela, 10.51N,68.18W) © Peter Boesman.

2932 2 Streaked Saltator 2 Song 0:11 *Saltator striatipectus* (2/4/1995 07:00h, Guataparo area, Carabobo, Venezuela, 10.13N,68.05W) © Peter Boesman.

2932 3 Streaked Saltator 3 Song 0:44 *Saltator striatipectus* (27th December 2009 17h00. La Victoria, Cundinamarca, Colombia, 5°19'55 N 74°55'12"W). © Peter Boesman.

2932 4 Streaked Saltator 4 Song 0:44 *Saltator striatipectus* (5th January 2010 6h20. Mana Dulce, Tolima, Colombia, 4° 21' 04"N 74° 39' 06"W). © Peter Boesman.

2932 5 Streaked Saltator 5 Song 0:56 *Saltator striatipectus striatipectus*. El 18, Valle del Cauca, Colombia, 7m, 09:30h, 17-07-2008, Song © Andrew Spencer.

2932 6 Streaked Saltator 6 Call 0:12 *Saltator striatipectus* (2/4/1995 06:30h, Guataparo area, Carabobo, Venezuela, 10.13N,68.05W) © Peter Boesman.

2932 7 Streaked Saltator 7 Call 0:24 *Saltator striatipectus* (4th January 2010 18h00. Mana Dulce, Tolima, Colombia, 4° 21' 04"N 74° 39' 06"W). (Background: Cocoa Woodcreeper, Great Kiskadee, Rufous-browed Peppershrike). © Peter Boesman.

2932 8 Streaked Saltator 8 Call 0:10 *Saltator striatipectus* (5th January 2010 9h10. Mana Dulce, Tolima, Colombia, 4° 21' 04"N 74° 39' 06"W). © Peter Boesman.

2933 1 Masked Saltator 1 Song () 0:15 *Saltator cinctus* (30th December 2009 5h45. R.N. Rio Blanco, Caldas, Colombia, 2600m, 5°5' N 75°30'W!). © Peter Boesma

2936 1 Yellow-shouldered Grosbeak 1 Song and call 1:16 *Parkerthraustes humeralis* (Miazi, Zamora-Chinchipe, Ecuador, 940m, 16:50h, 14-08-2011, S4.16°28' W78.38°23"). The bird would intersperse a long song series with the high-pitched trilled calls. © Andrew Spencer.

2936 2 Yellow-shouldered Grosbeak 2 Song 0:25 *Parkerthraustes humeralis*. (00-09-2002, Manu Wildlife Centre, Madre de Dios, Peru, 320m). © Huw Lloyd.

2936 3 Yellow-shouldered Grosbeak 3 Call 0:24 *Parkerthraustes humeralis*; (Cristalino Jungle Lodge, MT, Brazil, 250m, 09:30h, 05-10-2009, S9.35°53' W55.55°55'). Three call types in this cut, the last series given in flight. © Andrew Spencer.

2938 1 Rufous-collared Sparrow 1 Song 0:17 *Zonotrichia capensis*. Bogota-Quebrada la Vieja, Colombia, 2600m, 07:00h, 12-12-2002, Song. © Doug Knapp.

2938 2 Rufous-collared Sparrow 2 Song 0:39 *Zonotrichia capensis*. RNA El Dorado, Sierra de Santa Marta, Magdalena, Colombia, 1900m, 07:30h, 9 Feb 2010, Song © Frank Lambert.

2938 3 Rufous-collared Sparrow 3 Song 0:21 *Zonotrichia capensis costaricensis*. Humedal Laguna del Neuta, Soacha, Cundinamarca, Colombia, 2600m, amh, 25-05-2003, Song © Bernabe Lopez-Lanus.

2938 4 Rufous-collared Sparrow 4 Call 0:34 *Zonotrichia capensis* (30/7/2008 11:00h, Carpath Tunnel, Huánuco, Peru, 09.40S,76.05W) © Peter Boesman

2938 5 Rufous-collared Sparrow 5 Call 0:09 *Zonotrichia capensis* (1/8/2004 07:15h, Serra da Canastra, Minas Gerais, Brazil, 20.15S,46.37W) © Peter Boesman.

2938 6 Rufous-collared Sparrow 6 Call 0:40 *Zonotrichia capensis* (10/8/2008 07:00h, Santa Eulalia Valley, Lima, Peru, 11.40S,76.30W) © Peter Boesman

2939 1 Grasshopper Sparrow 1 song 0:57 *Ammodramus savannarum* (6/4/2003 18:45h, Las Choapas, Vera Cruz, Mexico, 17.45N,94.00W) © Peter Boesman

2940 1 Grassland Sparrow 1 Song 0:55 *Ammodramus humeralis* (28/7/2002 08:30h, Gran Sabana southern side, Bolivar, Venezuela, 04.59N,60.50W) © Peter Boesman

2940 2 Grassland Sparrow 2 Song 1:15 *Ammodramus humeralis* (27/1/2004, Petrolina area, Pernambuco, Brazil, 09.25S,40.30W) © Peter Boesman

2940 3 Grassland Sparrow 3 Call 0:10 *Ammodramus humeralis* (1/8/2004 08:15h, Serra da Canastra, Minas Gerais, Brazil, 20.15S,46.37W) © Peter Boesman

2941 1 Yellow-browed Sparrow 1 Song 0:29 *Ammodramus aurifrons* (1/1/2008 11:15h, Morro de Calzada, San Martin, Peru, 06.00S,77.05W) © Peter Boesman

2941 2 Yellow-browed Sparrow 2 Song 0:37 *Ammodramus aurifrons* (27/6/1995 06:00h, Manu Andean Slope, Cuzco, Peru, 12.30S,71.30W) © Peter Boesman

2941 3 Yellow-browed Sparrow 3 Song 0:30 *Ammodramus aurifrons* (2/8/2008 06:45h, Villa Rica Coffee plantations, Pasco, Peru, 10.40S,75.20W) © Peter Boesman

2941 4 Yellow-browed Sparrow 4 Song 0:18 *Ammodramus aurifrons* (30th July 2010 8h00, Padre Island near Cumaceba lodge, Loreto, Peru, 3°38' S, 73°08' W). © Peter Boesman.

2941 5 Yellow-browed Sparrow 5 Song 0:46 *Ammodramus aurifrons* (3/8/2000, San Silvestre road, Barinas, Venezuela, 08.15N,70.06W) © Peter Boesman

2941 6 Yellow-browed Sparrow 6 Song 0:28 *Ammodramus aurifrons* (3/8/2003 07:30h, Tucupita area, Delta Amac, Venezuela, 09.08N,62.04W) © Peter Boesman.

2950 1 Plumbeous Sierra-Finch 1 Song 0:33 *Phrygilus unicolor* (29/7/2008 08:00h, Bosque Unchog, Huánuco, Peru, 09.45S,76.15W) © Peter Boesman

2950 2 Plumbeous Sierra-Finch 2 Call 0:33 *Phrygilus unicolor* (2/8/2009 10:00h, Abra Malaga area, Cuzco, Peru, 13.10S,72.20W) © Peter Boesman

2950 3 Plumbeous Sierra-Finch 3 Call 0:03 *Phrygilus unicolor* (2/8/2009 08:00h, Abra Malaga area, Cuzco, Peru, 13.10S,72.20W) © Peter Boesman

2961 1 Slaty Finch 1 Song 0:56 *Haplospiza rustica* (Bellavista, Pichincha, Ecuador, 00.01S,78.41W) © Niels Krabbe

2961 2 Slaty Finch 2 Song 0:39 *Haplospiza rustica*. (30-05-2009 9:05h, Wayqechas, Manu Road, Cusco, Peru, 2700m, S13.10°28' W71.35°16'). Male: © David Geale.

2990 1 Stripe-tailed Yellow-Finch 1 Song 0:42 *Sicalis citrina* (29/7/2002, Gran Sabana northern side, Bolivar, Venezuela, 05.40N,61.20W) © Peter Boesman

2990 2 Stripe-tailed Yellow-Finch 2 Song 0:34 *Sicalis citrina* (16/8/1998 , Macarao NP, SW entrance, Miranda, Venezuela, 10.22N,67.05W) © Gustavo Rodriguez.

2990 3 Stripe-tailed Yellow-Finch 3 Song 0:57 *Sicalis citrina* (29/7/2002 08:00h, Gran Sabana northern side, Bolivar, Venezuela, 05.40N,61.20W) © Peter Boesman.

2990 4 Stripe-tailed Yellow-Finch 4 Call 0:19 *Sicalis citrina* (29/7/2002 09:30h, Gran Sabana northern side, Bolivar, Venezuela, 05.40N,61.20W) © Peter Boesman

2990 5 Stripe-tailed Yellow-Finch 5 Calls 0:27 *Sicalis citrina* (1/8/2004 09:00h, Serra da Canastra, Minas Gerais, Brazil, 20.15S,46.37W) © Peter Boesman.

2997 1 Orange-fronted Yellow-Finch 1 Call 0:13 *Sicalis columbiana* (1/7/1996 , Hato El Cedral area, Apure, Venezuela, 07.30N,69.17W) © Gustavo Rodriguez.

2998 1 Saffron Finch 1 Song 0:41 *Sicalis flaveola* (26/12/2007 15:00h, Jaén area, Cajamarca, Peru, 05.40S,78.50W) © Peter Boesman

2998 2 Saffron Finch 2 Song 0:25 *Sicalis flaveola* (30/12/1999, Rio Sarare/Rio Burguita, Apure, Venezuela, 07.14N,71.25W) © Peter Boesman

2998 3 Saffron Finch 3 Song and call 0:49 *Sicalis flaveola* (5/7/1997 06:00h, Posada Puente de Piedra, Falcon, Venezuela, 11.30N,69.17W) © Peter Boesman.

2998 4 Saffron Finch 4 Song 0:09 *Sicalis flaveola* (4th January 2010 18h00. Mana Dulce, Tolima, Colombia, 4° 21' 04"N 74° 39' 06"W). (Background: Great Kiskadee). © Peter Boesman.

2998 5 Saffron Finch 5 Call 0:19 *Sicalis flaveola* (4/8/2002 07:30h, Laguna Unare, Anzoategui, Venezuela, 10.07N,65.20W) © Peter Boesman.

2999 1 Grassland Yellow-Finch 1 Song 0:36 *Sicalis luteola* (23/7/2008 09:00h, Lomas de Lachay, Lima, Peru, 11.20S,77.30W) © Peter Boesman

2999 2 Grassland Yellow-Finch 2 Song 0:45 *Sicalis luteola*. Finca El Emporio (represa), Villa de Leyva, Boyaca, Colombia, 2150m, 06:00h, 20-05-2000, Song. Flight displays © Bernabe Lopez-Lanus.

2999 3 Grassland Yellow-Finch 3 Calls 0:14 *Sicalis luteola* (19/10/1994 09:00h, Boca de Macareo, Delta Amac, Venezuela, 09.04N,62.03W) © Peter Boesman.

3002 1 Wedge-tailed Grass-Finch 1 Song 0:25 *Emberizoides herbicola*. (05-08-1997, Aguará Ñu, Canindeyú, Paraguay). 24.07S 55.26W). Juan Mazar Barnett.

3002 2 Wedge-tailed Grass-Finch 2 Song 0:27 *Emberizoides herbicola* (28/7/2002 08:30h, Gran Sabana southern side, Bolivar, Venezuela, 04.59N,60.50W) © Peter Boesman.

3002 3 Wedge-tailed Grass-Finch 3 Song 0:25 *Emberizoides herbicola* (29/7/2002 07:00h, Gran Sabana northern side, Bolivar, Venezuela, 05.40N,61.20W) © Peter Boesman.

3007 1 Blue-black Grassquit 1 Song 0:45 *Volatinia jacarina* (27/1/2004, Petrolina area, Pernambuco, Brazil, 09.25S,40.30W) © Peter Boesman

3007 2 Blue-black Grassquit 2 Song 0:28 *Volatinia jacarina* (28/1/2004 07:30h, Lagoa Grande area, Pernambuco, Brazil, 09.00S,40.15W) © Peter Boesman.

3007 3 Blue-black Grassquit 3 Song 0:20 *Volatinia jacarina* (1/1/2008 13:15h, Rioja, San Martin, Peru, 06.00S,77.10W) © Peter Boesman

3007 4 Blue-black Grassquit 4 Song 0:34 *Volatinia jacarina* (24/7/2002 06:30h, Villa Lola area, Bolivar, Venezuela, 07.55N,62.00W) © Peter Boesman

3007 5 Blue-black Grassquit 5 Song 0:31 *Volatinia jacarina* (25/7/1993 , Caño Colorado, Monagas, Venezuela, 09.55N,62.55W) © Peter Boesman.

3010 1 Slate-colored Seedeater 1 Song 1:28 *Sporophila schistacea* (16-06-1997 07:45h, Cerro Asunta Pata, La Paz, Bolivia. 15°02'30" S, 68°28'40" W). (Background: Chestnut-tailed Antbird House Wren Two-banded Warbler). After playback. At ca. 1000 m. Sebastian K. Herzog.

3011 1 Plumbeous Seedeater 1 Song 0:50 *Sporophila plumbea* (29/7/2002 07:30h, Gran Sabana northern side, Bolivar, Venezuela, 05.40N,61.20W) © Peter Boesman

3011 2 Plumbeous Seedeater 2 Call 0:05 *Sporophila plumbea* (26/7/2002 17:30h, Gran Sabana northern side, Bolivar, Venezuela, 05.40N,61.20W) © Peter Boesman

3011 3 Plumbeous Seedeater 3 Call 0:24 *Sporophila plumbea* (19/7/2005 06:00h, Chapada dos Guimaraes, Mato Grosso, Brazil, 15.20S,55.50W) © Peter Boesman

3012 1 Variable Seedeater 1 song 0:17 *Sporophila americana*. (21st March 2010 16h30, Esquinas lodge, 100m elev., Piedras Blancas NP, Puntarenas, Costa Rica). (Background: Great-tailed Grackle). © Peter Boesman.

3012 2 Variable Seedeater 2 call 0:02 *Sporophila americana*. (21st March 2010 15h15, Esquinas lodge, 100m elev., Piedras Blancas NP, Puntarenas, Costa Rica). © Peter Boesman.

3012 3 Variable Seedeater 3 call 0:25 *Sporophila americana*. (22nd March 2010 06h40, Esquinas lodge, 100m elev., Piedras Blancas NP, Puntarenas, Costa Rica). (Background: Blue-black Grassquit). © Peter Boesman.

3013 1 Gray Seedeater 1 Song 0:18 *Sporophila intermedia*. © Paul Schwartz.

3013 2 Gray Seedeater 2 Song 0:42 *Sporophila intermedia*. El 18, Valle del Cauca, Colombia, 1900m, 07:00h, 2 Feb 2010, N3.2977° W76.374°, song of male. also: Golden-crowned Flycatcher © Frank Lambert.

3013 3 Gray Seedeater 3 Song 0:46 *Sporophila intermedia anchicayae*. El 18, Valle del Cauca, Colombia, 10:00h, 17-07-2008, song © Andrew Spencer.

3013 4 Gray Seedeater 4 Call 0:23 *Sporophila intermedia* (3/8/2003 08:00h, Tucupita area, Delta Amac, Venezuela, 09.08N,62.04W) © Peter Boesman.

3013 5 Gray Seedeater 5 Call 0:21 *Sporophila intermedia* (5/3/1994, Caño Colorado, Monagas, Venezuela, 09.55N,62.55W) © Peter Boesman.

3014 1 Wing-barred Seedeater 1 Song 0:33 *Sporophila americana dispar*. (Careiro da Varzea, AM, Brazil, 20m, 10:15h, 29-01-2006, S3.1323° W59.51'59"). Male singing from top of 5m tree. (Background: Cinnamon Attila). © Nick Athanas.

3015 1 Caqueta Seedeater 1 Song 0:17 *Sporophila muralae*. (La Selva Lodge, Sucumbios, Ecuador. 00.27S, 76.17W). Niels Krabbe.

3017 1 Lesson's Seedeater 1 Song 0:21 *Sporophila bouvronides* (10/8/2002 07:30h, Canoabo area, Carabobo, Venezuela, 10.20N,68.18W) © Peter Boesman

3017 2 Lesson's Seedeater 2 Song 0:22 *Sporophila bouvronides* (10/8/2002 08:00h, Canoabo area, Carabobo, Venezuela, 10.20N,68.18W) © Peter Boesman

3017 3 Lesson's Seedeater 3 Song 0:13 *Sporophila bouvronides* (4/8/2003 08:30h, Boca de Macareo, Delta Amac, Venezuela, 09.04N,62.03W) © Peter Boesman.

3017 4 Lesson's Seedeater 4 Song 0:20 *Sporophila bouvronides* (5/8/2003 08:00h, Dry forest W of El Palmar, Bolivar, Venezuela, 07.58N,62.13W) © Peter Boesman.

3018 1 Lined Seedeater 1 Song 0:28 *Sporophila lineola* (28/1/2004 14:00h, Salgueiro area, Pernambuco, Brazil, 08.00S,39.10W) © Peter Boesman

3018 2 Lined Seedeater 2 Song 0:53 *Sporophila lineola* (28/1/2004, Salgueiro area, Pernambuco, Brazil, 08.00S,39.10W) © Peter Boesman

3019 1 Black-and-white Seedeater 1 Song 0:36 *Sporophila luctuosa*. Salento (alrededores), Quindio, Colombia, 2000m, 11:12h, 14-09-1998, Song © Bernabe Lopez-Janus.

3019 2 Black-and-white Seedeater 2 Call 1:14 *Sporophila luctuosa* (31/7/2008 09:00h, Carpath Tunnel, Huánuco, Peru, 09.40S,76.05W) © Peter Boesman

3019 3 Black-and-white Seedeater 3 Call 0:17 *Sporophila luctuosa* (31/7/2008 09:30h, Carpath Tunnel, Huánuco, Peru, 09.40S,76.05W) © Peter Boesman

3019 4 Black-and-white Seedeater 4 Call () 0:14 *Sporophila luctuosa* (27/2/1995, La Azulita road, Merida, Venezuela, 08.40N,71.24W) © Peter Boesman

3020 1 Yellow-bellied Seedeater 1 Song 0:36 *Sporophila nigricollis* (1/8/2000 12:00h, Presa Las Cuevas road, Tachira, Venezuela, 07.56N,71.47W) © Peter Boesman.

3020 2 Yellow-bellied Seedeater 2 Song 0:22 *Sporophila nigricollis* (22/7/2000 06:00h, Quibor - Sanare road, Lara, Venezuela, 09.48N,69.36W) © Peter Boesman.

3020 3 Yellow-bellied Seedeater 3 Song 0:37 *Sporophila nigricollis* (22/7/2000 07:00h, Quibor - Sanare road, Lara, Venezuela, 09.48N,69.36W) © Peter Boesman.

3020 4 Yellow-bellied Seedeater 4 Song 0:23 *Sporophila nigricollis* (3rd January 2010 8h30, Bosque Bremen, Quindio, Colombia, 4°40'26"N 75°37'5"W). © Peter Boesman.

3020 5 Yellow-bellied Seedeater 5 Song 1:47 *Sporophila nigricollis*. Villa de Leyva, Boyaca, Colombia, 2150m, 17-05-2000. Song © Bernabe Lopez-Lanus.

3020 6 Yellow-bellied Seedeater 6 Call 0:16 *Sporophila nigricollis* (30/7/2002 10:00h, Gran Sabana southern side, Bolivar, Venezuela, 04.59N,60.50W) © Peter Boesman.

3020 7 Yellow-bellied Seedeater 7 Call 0:06 *Sporophila nigricollis* (26/7/2000 13:00h, Finca Monteverde at Olinda II, Merida, Venezuela, 08.45N,71.28W) © Peter Boesman.

3022 1 Double-collared Seedeater 1 Song 0:23 *Sporophila caeruleascens* (24/12/1994 06:30h, Comarapa, Santa Cruz, Bolivia, 17.50S,64.30W) © Peter Boesman

3022 2 Double-collared Seedeater 2 Song 0:30 *Sporophila caeruleascens caeruleascens*. (Reserva Ecologica de Guapiassu - RJ, Brazil, 35m, 10:10h, 10-04-2005, S22.24°6' W42.43°36"). Male. Response to playback. (Background: Blue-black Grassquit). © Nick Athanas.

3022 3 Double-collared Seedeater 3 Call () 0:59 *Sporophila caeruleascens* (3/8/2004 07:30h, Serra da Canastra, Minas Gerais, Brazil, 20.15S,46.37W) © Peter Boesman

3029 1 Ruddy-breasted Seedeater 1 Song 0:58 *Sporophila minuta* (29/7/2002, Gran Sabana northern side, Bolivar, Venezuela, 05.40N,61.20W) © Peter Boesman

3029 2 Ruddy-breasted Seedeater 2 Song 0:25 *Sporophila minuta* (17/11/1996 16:00h, Tacarigua dam, Falcon, Venezuela, 11.00N,68.24W) © Peter Boesman.

3029 3 Ruddy-breasted Seedeater 3 Call 0:02 *Sporophila minuta* (16/3/1997 09:00h, Canoabo area, Carabobo, Venezuela, 10.20N,68.18W) © Peter Boesman.

3029 4 Ruddy-breasted Seedeater 4 Call 0:05 *Sporophila minuta* (26/7/2002 17:30h, Gran Sabana northern side, Bolivar, Venezuela, 05.40N,61.20W) © Peter Boesman.

3033 1 Chestnut-bellied Seedeater 1 Song 0:55 *Sporophila castaneiventris* (11/1/2008 18:45h, Tarapoto, San Martin, Peru, 06.30S,76.20W) © Peter Boesman

3033 2 Chestnut-bellied Seedeater 2 Song 0:37 *Sporophila castaneiventris* (10th August 2010 15h00, Peruvian side of Rio Javari, Reserva Natural Palmari, Amazonas, Brazil, 50m, 4°17'20" S, 70°17'41" W). © Peter Boesman.

3033 3 Chestnut-bellied Seedeater 3 Call 0:44 *Sporophila castaneiventris* (17/7/2006 11:30h, Iracema falls, Presidente Figueiredo, Amazonas, Brazil, 02.00S,60.00W) © Peter Boesman

3037 1 Chestnut-throated Seedeater 1 Song 0:22 *Sporophila telasco* (26/12/2007 18:10h, Jaén area, Cajamarca, Peru, 05.40S,78.50W) © Peter Boesman.

3038 1 Thick-billed Seed-Finch 1 song 0:10 *Oryzoborus angolensis* (23/2/2006 15:00h, Milpe reserve, Pichincha, Ecuador, 00.00N,78.45W) © Peter Boesman

3038 2 Thick-billed Seed-Finch 2 song 1:07 *Oryzoborus funereus*. (20th March 2010 16h15, Esquinas lodge, 100m elev., Piedras Blancas NP, Puntarenas, Costa Rica). (Background: Red-crowned Woodpecker, Piratic Flycatcher). © Peter Boesman.

3038 3 Thick-billed Seedfinch 3 Song 0:37 *Oryzoborus funereus*. (1st February 2011 8h30, RNA Reinita Cielo Azul, San Vicente de Chucurí, Santander, Colombia, 1800m, N.50°47' N, 72.22°30' W), © Peter Boesman.

3039 1 Chestnut-bellied Seed-Finch 1 Song 0:31 *Oryzoborus angolensis* (6/8/2003 17:30h, Villa Lola area, Bolivar, Venezuela, 07.55N,62.00W) © Peter Boesman.

3039 2 Chestnut-bellied Seed-Finch 2 Song 0:12 *Oryzoborus angolensis* (4/8/2003 16:00h, Rio Uracoa Moriche palm grove, Monagas, Venezuela, 08.50N,62.30W) © Peter Boesman.

3039 3 Chestnut-bellied Seed-Finch 3 Song 0:26 *Oryzoborus angolensis* (23/7/2002 10:30h, Rio Grande area, Bolivar, Venezuela, 08.03N,61.40W) © Peter Boesman.

3039 4 Chestnut-bellied Seed-Finch 4 Song 0:30 *Oryzoborus angolensis* (11/6/1995 07:00h, Palmichal area, Carabobo, Venezuela, 10.21N,68.12W) © Peter Boesman.

3040 1 Large-billed Seed-Finch 1 Song 0:40 *Oryzoborus crassirostris* (5/3/1994, Caño Colorado, Monagas, Venezuela, 09.55N,62.55W) © Peter Boesman

3040 2 Large-billed Seed-Finch 2 Song 1:48 *Oryzoborus crassirostris* (16/10/2000 08:45h, Hacienda La Fe, Guarico, Venezuela, 08.30N,67.35W) © Chris Sharpe.

3040 3 Large-billed Seed-Finch 3 Song 0:28 *Oryzoborus crassirostris crassirostris*. Tobia, Cundinamarca, Colombia, 700m, 09:00h, 06-11-2007, N5.4°55' W74.27°11", song, Male singing from 6m up in a tree. also: Bar-crested Antshrike, © Nick Athanas.

3041 1 Great-billed Seed-Finch 1 Song 0:38 *Oryzoborus maximiliani*. (March 2009, Caño Colorado, Monagas, Venezuela) © Hans Mattheve.

3043 1 White-naped Seedeater 1 Song 0:49 *Dolospingus fringilloides* (22/4/1985, San Carlos de Rio Negro, Amazonas, Venezuela, 01.55N,67.02W) © Chris Parrish.

3043 2 White-naped Seedeater 2 Song 1:07 *Dolospingus fringilloides*. (Mitu, Vaupes, Colombia, 190m, 08:00h, 09-06-2011, N1.14°45' W70.13°44"). Song from a birding singing in a clearing in dense white sand forest. © Andrew Spencer.

3043 3 White-naped Seedeater 3 Call 1:23 *Dolospingus fringilloides*. (Mitu, Vaupes, Colombia, 190m, 15:00h, 13-06-2011, N1.14°45' W70.13°44"). Calls from a male bird in response to playback of its own song. © Andrew Spencer.

3044 1 Band-tailed Seedeater 1 Song 0:31 *Catamenia analis* (9/1/2008 07:00h, Cruz Conga area, Cajamarca, Peru, 07.05S,78.20W) © Peter Boesman.

3044 2 Band-tailed Seedeater 2 Song 0:22 *Catamenia analis*. Bogota-Quebrada la Vieja, Colombia, 2700m, 07:00h, 12-12-2002. Song © Doug Knapp.

3044 3 Band-tailed Seedeater 3 Call 0:09 *Catamenia analis* (8/1/2008 14:00h, Celendin, Cajamarca, Peru, 06.50S,78.10W) © Peter Boesman.

3045 1 Plain-colored Seedeater 1 Song 0:08 *Catamenia inornata* (9/1/2008 10:30h, Cruz Conga area, Cajamarca, Peru, 07.05S,78.20W) © Peter Boesman

3045 2 Plain-colored Seedeater 2 Call 0:06 *Catamenia inornata* (8/1/2008 14:00h, Celendin, Cajamarca, Peru, 06.50S,78.10W) © Peter Boesman

3045 3 Plain-colored Seedeater 3 Call 0:09 *Catamenia inornata* (18/4/1997 10:00h, Laguna Mucubaji area, Merida, Venezuela, 08.48N,70.49W) © Peter Boesman.

3046 1 Paramo Seedeater 1 Song 0:45 *Catamenia homochroa* (3/1/1994 09:00h, Santa Marta Lorenzo road, Magdalena, Colombia, 11.00N,73.40W) © Peter Boesman

3046 2 Paramo Seedeater 2 Song 1:20 *Catamenia homochroa* (7th February 2011 8h00. RNA El Colibrí del Sol, Páramo de Frontino, Antioquia, Colombia, 3130m, 6.26°17'N, 76.5°18' W). © Peter Boesman.

3046 3 Paramo Seedeater 3 Call
3047 1 Tocuyo Sparrow 1 Song
3047 2 Tocuyo Sparrow 2 Call
3047 3 Tocuyo Sparrow 3 Call
3048 1 Black-striped Sparrow 1 Song
3048 2 Black-striped Sparrow 2 Song
3048 3 Black-striped Sparrow 3 Song
3048 4 Black-striped Sparrow 4 Song
3048 5 Black-striped Sparrow 5 Call
3048 6 Black-striped Sparrow 6 Call
3049 1 Pectoral Sparrow 1 Song
3049 2 Pectoral Sparrow 2 Song
3049 3 Pectoral Sparrow 3 Song
3049 4 Pectoral Sparrow 4 Song
3049 5 Pectoral Sparrow 5 Call
3053 1 Orange-billed Sparrow 1 Song
3053 2 Orange-billed Sparrow 2 Song
3053 3 Orange-billed Sparrow 3 Song
3053 4 Orange-billed Sparrow 4 Song
3053 5 Orange-billed Sparrow 5 Call
3053 6 Orange-billed Sparrow 6 Call
3054 1 Golden-winged Sparrow 1 Song
3054 2 Golden-winged Sparrow 2 Call
3054 3 Golden-winged Sparrow 3 Call
3054 4 Golden-winged Sparrow 4 Call
3056 1 Chestnut-capped Brush-finch 1 Song
3056 2 Chestnut-capped Brush-Finch 2 Song
3056 3 Chestnut-capped Brush-Finch 3 Song
3056 4 Chestnut-capped Brush-Finch 4 Song
3056 5 Chestnut-capped Brush-Finch 5 Song
3056 6 Chestnut-capped Brush-Finch 6 Song
3057 1 Black-headed Brush-Finch 1 Song QQ
3057 2 Black-headed Brush-Finch 2 Call QQ
3058 1 Sierra Nevada Brush Finch 1 Song
3062 1 Gray-browed Brush-Finch 1 Song
3062 2 Gray-browed Brush-Finch 2 Song
3062 3 Gray-browed Brush-Finch 3 Song
3062 4 Gray-browed Brush-Finch 4 Song
3064 1 Olive Finch 1 Song
3065 1 Tanager Finch 1 Song
3066 1 Moustached Brush-Finch 1 Song
3066 2 Moustached Brush-Finch 2 Song
3066 3 Moustached Brush-Finch 3 Song
3066 4 Moustached Brush-Finch 4 Interaction calls
3066 5 Moustached Brush-Finch 5 Interaction calls
3066 6 Moustached Brush-Finch 6 Call
3066 7 Moustached Brush-Finch 7 Call
3067 1 Ochre-breasted Brush-Finch 1 Song
3067 2 Ochre-breasted Brush-Finch 2 Song
3067 3 Ochre-breasted Brush-Finch 3 Song
3067 4 Ochre-breasted Brush-Finch 4 Call
3067 5 Ochre-breasted Brush-Finch 5 Interaction calls
3067 6 Ochre-breasted Brush-Finch 6 Interaction calls
3069 1 White-naped Brush-Finch 1 Song
3069 2 White-naped Brush-Finch 2 Song
3069 3 White-naped Brush-Finch 3 Song
3069 4 White-naped Brush-Finch 4 Call
3069 5 White-naped Brush-Finch 5 Call
3070 1 Santa Marta Brush-Finch 1 Song
3070 2 Santa Marta Brush-Finch 2 Call
3071 1 Pale-naped Brush-Finch 1 Song
3071 2 Pale-naped Brush-Finch 2 Song
3071 3 Pale-naped Brush-Finch 3 Song

0:33 *Catamenia homochroa*. (Cerro Roraima, Bolivar, Venezuela, 27-11-2010, N5.11'45" W60.44'45"). Calls by a female-plumaged bird. © Alexandre Renaudier.
0:30 *Arremonops tocuyensis* (20/6/1999, El Tocuyo, Lara, Venezuela, 09.47N,69.47W) © Gustavo Rodríguez.
0:12 *Arremonops tocuyensis* (22/7/2000 09:00h, Quibor - Sanare road, Lara, Venezuela, 09.48N,69.36W) © Peter Boesman
0:29 *Arremonops tocuyensis* (February 2009, Quibor - Sanare road, Lara, Venezuela, 09.48N,69.36W) © Hans Matheve.
0:23 *Arremonops conirostris* (28/12/1990, Lower Rio Caura area, Bolivar, Venezuela, 07.15N,65.00W) © Peter Boesman
0:39 *Arremonops conirostris* (14/8/1996 06:00h, Canoabo area, Carabobo, Venezuela, 10.20N,68.18W) © Peter Boesman.
0:33 *Arremonops conirostris* (16/8/2007 08:00h, Nirgua area, San Felipe, Venezuela, 10.15N,68.30W) © Peter Boesman.
1:01 *Arremonops conirostris* (5th January 2010 6h30. Mana Dulce, Tolima, Colombia, 4° 21' 04"N 74° 39' 06"W). © Peter Boesman.
0:39 *Arremonops conirostris* (23/12/1997 09:30h, Canoabo area, Carabobo, Venezuela, 10.20N,68.18W) © Peter Boesman.
0:28 *Arremonops conirostris* (16/3/1997 11:00h, Canoabo area, Carabobo, Venezuela, 10.20N,68.18W) © Peter Boesman
1:00 *Arremon taciturnus* (30/1/2004, Chapada de Araripe, Ceará, Brazil, 07.15S,39.32W) © Peter Boesman
0:39 *Arremon taciturnus taciturnus*. Mitu, Vaupes, Colombia, 190m, 09:00h, 14-06-2011, N1.14'45" W70.13'44", song, natural vocalization © Andrew Spencer.
0:22 *Arremon taciturnus* (26/3/1997 09:00h, Lower Rio Caura area, Bolivar, Venezuela, 07.15N,65.00W) © Peter Boesman
0:13 *Arremon taciturnus* (March 2009, La Escalera, Bolivar, Venezuela) © Hans Matheve.
0:45 *Arremon taciturnus* (11/1/2005 06:30h, Carajás, Aguas Claras area, Pará, Brazil, 06.00S,50.30W) © Peter Boesman
0:49 *Arremon aurantirostris*. Laguna de Pedro Palo, Tena, Cundinamarca, Colombia, 2150m, 14:13h, 15-04-2000, Song © Bernabe Lopez-Lanus.
0:17 *Arremon aurantirostris* (20/12/1993, Rio Palenque, Los Rios, Ecuador, 00.25S,79.25W) © Peter Boesman.
0:54 *Arremon aurantirostris*. (23rd March 2010 08h50, Carara NP area, 10m elev., Puntarenas, Costa Rica). (Background: Black-hooded Antshrike). © Peter Boesman.
1:01 *Arremon aurantirostris*. (21st March 2010 06h30, Esquinas lodge, 100m elev., Piedras Blancas NP, Puntarenas, Costa Rica). © Peter Boesman.
0:48 *Arremon aurantirostris*. (14th March 2010 16h00, La Selva biological station, Heredia, Costa Rica). © Peter Boesman.
0:25 *Arremon aurantirostris*. (15th March 2010 09h25, Braulio Carrillo NP, Quebrada Gonzalez HQ, Las Palmas trail, 500m elev., Heredia, Costa Rica). © Peter Boesman.
0:30 *Arremon schlegelii* (10/2/2007 14:54h, Sierra de Santa Marta, Magdalena, Colombia, 11.05N,74.02W) © Nick Athanas.
0:09 *Arremon schlegelii* (14/5/1995 10:00h, Guataparo area, Carabobo, Venezuela, 10.13N,68.05W) © Peter Boesman.
0:29 *Arremon schlegelii* (March 2009, Henri Pittier NP, Aragua, Venezuela) © Hans Matheve.
0:44 *Arremon schlegelii canidorsum*. Parque Natural Gallineral, San Gil, Santander, Colombia, ?m, 09:55h, 02-08-2008, calls, heavy stream and traffic noise filtered out © Andrew Spencer.
0:29 *Arremon brunneiucha* (5th February 2011 6h30. La Romera near Medellín, Antioquia, Colombia). © Peter Boesman.
0:21 *Arremon brunneiucha* (9th February 2011 7h00. RNA Las Tangaras near Carmen del Atrato, Antioquia, Colombia). © Peter Boesman.
0:37 *Arremon brunneiucha* (3rd January 2010 11h00. Bosque Bremen, Quindio, Colombia, 4°40'26"N 75°37'5"W). © Peter Boesman.
0:19 *Arremon brunneiucha* (10th February 2011 17h00. † Santuario Otun-Quimbaya, Pereira, Tolima, Colombia). © Peter Boesman.
0:17 *Atlapetes brunneiucha* (8/3/1997 07:00h, Yacamabu NP, Lara, Venezuela, 09.43N,69.35W) © Peter Boesman.
0:30 *Atlapetes brunneiucha* (23/7/2000 09:00h, Dindir National Park, Lara, Venezuela, 09.42N,70.03W) © Peter Boesman.
0:24 *Arremon atricapillus* (28th December 2009 7h15. La Victoria, Cundinamarca, Colombia, 5°19'55" N 74°55'12"W). © Peter Boesman.
0:56 *Arremon atricapillus* (28th December 2009 8h00. La Victoria, Cundinamarca, Colombia, 5°19'55" N 74°55'12"W). © Peter Boesman.
0:35 *Arremon basilicus basilicus*. RNA El Dorado, Sierra de Santa Marta, Magdalena, Colombia, 1850m, 07:17h, 03-11-2007, N11.6'28" W74.2'55", song, Response to playback. © Nick Athanas.
0:53 *Arremon assimilis* (29th December 2009 9h00. R.N. Rio Blanco, Caldas, Colombia, 2600m, 5°5' N 75°30'W). © Peter Boesman.
0:28 *Atlapetes torquatus* (13/2/2006 10:00h, Huacamayos ridge, Napo, Ecuador, 00.37S,77.52W) © Peter Boesman.
0:13 *Atlapetes torquatus* (31/7/2008 06:30h, Carpish Tunnel, Huánuco, Peru, 09.40S,76.05W) © Peter Boesman.
1:00 *Arremon assimilis assimilis*. R.N. Rio Blanco, Caldas, Colombia, 2600m, 16:00h, 19-07-2008, N5.5° W75.30'0", song © Andrew Spencer.
0:34 *Arremon castaneiceps*. Narino; El Pangan Nature Reserve, near Junin, Colombia, 800m, 22-2-08, N1.19'12" W78.6'35", song, © Frank Lambert.
0:58 *Oreothraupis arremonops*. RNA Loro Orejiamarillo, Jardin, Antioquia, Colombia, 2700m, 14:00h, 28-07-2008, N5.32'20" W75.48'16", Songs from a trio of birds, in response to playback © Andrew Spencer.
1:07 *Atlapetes albofenatus* (29/7/2000 06:30h, El Morro road, Merida, Venezuela, 08.30N,71.05W) © Peter Boesman
1:09 *Atlapetes albofenatus albofenatus*. Laguna de Pedro Palo, Cundinamarca, Colombia, 2000m, 08:00h, 06-06-2011, N4.41'0" W74.23'0", song, natural vocalization © Andrew Spencer.
0:46 *Atlapetes albofenatus*. RNA Hormiguero de Torcoroma, Ocaña, Norte de Santander, Colombia, 1670m, 11-05-2007, N8.12'11" W73.22'47", song, one of a breeding pair without distinctive moustaches (very hard to see in the field) © Frank Lambert.
0:10 *Atlapetes albofenatus* (February 2009, La Azulita road, Merida, Venezuela) © Hans Matheve.
1:00 *Atlapetes albofenatus albofenatus*. RNA Hormiguero de Torcoroma, Ocaña, Norte de Santander, Colombia, 1600m, 06:10h, 03-08-2008, N8.12'11" W73.22'47", Calls from a trio of birds © Andrew Spencer.
0:15 *Atlapetes albofenatus albofenatus*. RNA Hormiguero de Torcoroma, Ocaña, Norte de Santander, Colombia, 1600m, 08:31h, 08-02-2007, call. also: Orange-billed Nightingale-Thrush © Nick Athanas.
0:43 *Atlapetes albofenatus albofenatus*. Laguna de Pedro Palo, Cundinamarca, Colombia, 2000m, 08:00h, 06-06-2011, N4.41'0" W74.23'0", call, natural vocalization © Andrew Spencer.
0:38 *Atlapetes semirufus* (24/2/1999 08:40h, Choroní road, Aragua, Venezuela, 10.22N,67.35W) © Chris Sharpe
0:09 *Atlapetes semirufus* (30/12/1997 09:00h, Choroní road, Aragua, Venezuela) © Peter Boesman.
0:32 *Atlapetes semirufus* (28/8/1994 10:00h, Caripe area, Monagas, Venezuela, 10.10N,63.31W) © Peter Boesman.
0:06 *Atlapetes semirufus* (30/4/1995 08:00h, Serranía de San Luis, Falcon, Venezuela, 11.12N,69.42W) © Peter Boesman.
0:41 *Atlapetes semirufus* (27/12/1996 06:00h, Matamala area, Tachira, Venezuela, 07.42N,72.26W) © Peter Boesman.
0:32 *Atlapetes semirufus* (1/3/1997 08:00h, Colonia Tovar area, Aragua, Venezuela, 10.24N,67.20W) © Peter Boesman.
0:27 *Atlapetes albinucha* (8th February 2011 17h00. RNA Las Tangaras near Carmen del Atrato, Antioquia, Colombia). © Peter Boesman.
1:19 *Atlapetes albinucha gutturalis*. RNA Las Tangaras, Choco, Colombia, 1800m, 07:30h, 24-06-2011, N5.43'44" W76.14'38", song, natural vocalization © Andrew Spencer.
0:34 *Atlapetes albinucha gutturalis*. RNA Arrierito Antioqueño, Anorí, Antioquia, Colombia, 1600m, 10-06-2007, N6.59'10" W75.7'30", song?, 'Yellow-throated Brush-Finch' © Frank Lambert.
0:47 *Atlapetes albinucha* (8th February 2011 17h00. RNA Las Tangaras near Carmen del Atrato, Antioquia, Colombia). © Peter Boesman.
0:35 *Atlapetes albinucha gutturalis*. El 18, Valle del Cauca, Colombia, 1800m, 10:00h, 22-06-2010, N3.29'7" W76.37'4", call © Andrew Spencer.
0:21 *Atlapetes melanocephalus*. RNA El Dorado, Sierra de Santa Marta, Magdalena, Colombia, 1950m, 05:53h, 10-02-2007, N11.6'28" W74.2'55", song, also: Band-tailed Guan © Nick Athanas.
0:09 *Atlapetes melanocephalus* (31/1/1994 10:00h, Santa Marta Lorenzo road, Magdalena, Colombia, 11.00N,73.40W) © Peter Boesman.
0:22 *Atlapetes pallidinucha* (8th January 2010 06h30. Paramo Soata-Belen, Boyaca, Colombia). © Peter Boesman.
0:44 *Atlapetes pallidinucha* (9th January 2010 9h00. Parque Nacional Chingazo, Cundinamarca, Colombia 4°47'2".N 73°46'32"W). (Background: Crested Quetzal). © Peter Boesman.
0:54 *Atlapetes pallidinucha* (7th January 2010 6h30. Onzaga road near Soata, Boyaca, Colombia, 6°20'11"N 72°44'11"W). © Peter Boesman.

3071 4	Pale-naped Brush-Finch 4 Song	0:20 Atlapetes pallidinuca pallidinuca. RNA El Colibri del Sol, Paramo de Frontino, Antioquia, Colombia, 3000m, 06:30h, 06-06-2011, N6.2617° W76.5'18", song, natural vocalization © Andrew Spencer.
3071 5	Pale-naped Brush-Finch 5 Song	0:48 Atlapetes pallidinuca. Reserva Iguaque (SFF), Villa de Leyva, Boyaca, Colombia, 2850m, 05:50h, 27-06-2002, Song © Bernabe Lopez-Lanus.
3071 6	Pale-naped Brush-Finch 6 Call	0:06 Atlapetes pallidinuca gutturalis. Reserva La Serrana (Vereda La Serrana), Anori, Antioquia, Colombia, 1800m, 16:00h, 05-06-2000. Call © Bernabe Lopez-Lanus.
3072 1	Yellow-headed Brush-Finch 1 Song	0:19 Atlapetes flaviceps (4th January 2010 7h30. Juntas, Tolima, Colombia, 4°33'56"N 75°19'38"W). © Peter Boesman.
3072 2	Yellow-headed Brush-Finch 2 Song	1:57 Atlapetes flaviceps (4th January 2010 7h20. Juntas, Tolima, Colombia, 4°33'56"N 75°19'38"W). © Peter Boesman.
3072 3	Yellow-headed Brush-Finch 3 Song	0:27 Atlapetes flaviceps. Finca Yerbabuena (sobre Toche), canon del rio Toche, Tolima, Colombia, 2400m, 06:09h, 24-06-1998, Song, © Bernabe Lopez-Lanus.
3072 4	Yellow-headed Brush-Finch 4 Interaction calls	1:16 Atlapetes flaviceps (4th January 2010 7h30. Juntas, Tolima, Colombia, 4°33'56"N 75°19'38"W). © Peter Boesman.
3072 5	Yellow-headed Brush-Finch 5 Interaction calls	0:36 Atlapetes flaviceps. Finca Yerbabuena (sobre Toche), canon del rio Toche, Tolima, Colombia, 2500m, amh, 24-06-1998, N0.0'36" 0'00", Standard song, Includes duet. Response to playback. © Bernabe Lopez-Lanus.
3073 1	Dusky-headed Brush-Finch 1 Song	0:58 Atlapetes fuscolivaceus. San Agustin, Huila, Colombia, 1700m, 09:00h, 26-06-2010, N1.5247° W76.16'4", song © Andrew Spencer.
3073 2	Dusky-headed Brush-Finch 2 Interaction calls	1:24 Atlapetes fuscolivaceus. San Agustin, Huila, Colombia, 1700m, 09:00h, 26-06-2010, N1.5247° W76.16'4", Pair excitement calls © Andrew Spencer.
3074 1	Tricolored Brush Finch 1 Song	0:18 Atlapetes tricolor (31st December 2009 9h15. P.N. Tatamá, Montezuma trail, near Pueblo Rico, Risaralda, Colombia, 1600m, 5°14'3"N 76° 5'21"W). © Peter Boesman.
3074 2	Tricolored Brush Finch 2 Song	0:56 Atlapetes tricolor (31st December 2009 11h15. P.N. Tatamá, Montezuma trail, near Pueblo Rico, Risaralda, Colombia, 1600m, 5°14'3"N 76° 5'21"W). (Background: Gray-breasted Wood Wren, Black-and-gold Tanager). © Peter Boesman.
3075 1	White-rimmed Brush-Finch 1 Song	2:59 (Atlapetes leucopis. La Sofia road, Sucumbios, Ecuador, 2300m, 17:45h, 01-09-2011, N0.25'58" W77.34'44", Song given in the evening from the top of a medium-height, exposed tree in a brushy valley. © Andrew Spencer.
3075 2	White-rimmed Brush-Finch 2 Song	1:03 Atlapetes leucopis. Guacamayos Ridge, Napo, Ecuador, 2150m, 07:30h, 23-08-2001, S0.37'25" W77.50'25", song, Responding to playback. also: Slate-crowned Antpitta, Slate-throated Redstart © Nick Athanas.
3075 3	White-rimmed Brush-Finch 3 Call	0:21 Atlapetes leucopis. Santa Barbara, Sucumbios, Ecuador, 2700m, 17:00h, 31-08-2011, N0.37'0" W77.34'59", Calls from one of a pair. © Andrew Spencer.
3076 1	Yellow-breasted Brush Finch 1 Song	0:53 Atlapetes latinuchus (8th January 2010 17h00. Rogitama, Cundinamarca, Colombia 5° 47' 44"N 73° 27' 25"W). © Peter Boesman.
3076 2	Yellow-breasted Brush Finch 2 Call and song	0:12 Atlapetes latinuchus (8th January 2010 17h00. Rogitama, Cundinamarca, Colombia 5° 47' 44"N 73° 27' 25"W). © Peter Boesman.
3081 1	Slaty Brush-Finch 1 Song	0:59 Atlapetes schistaceus taczanowskii (31/7/2008 06:15h, Carpish Tunnel, Huánuco, Peru, 09.40S,76.05W) © Peter Boesman
3081 2	Slaty Brush-Finch 2 Song	0:56 Atlapetes schistaceus. Finca La Selva (Quebrada San Jose), sobre Toche, Cajamarca, Tolima, Colombia, 2600m, 06:36h, 13-07-1998, Song © Bernabe Lopez-Lanus.
3081 3	Slaty Brush-Finch 3 Chatters	0:45 Atlapetes schistaceus taczanowskii (29/7/2008 07:15h, Bosque Unchoq, Huánuco, Peru, 09.45S,76.15W) © Peter Boesman
3081 4	Slaty Brush-Finch 4 Chatters	1:22 Atlapetes schistaceus taczanowskii (31/7/2008 08:00h, Carpish Tunnel, Huánuco, Peru, 09.40S,76.05W) © Peter Boesman
3081 5	Slaty Brush-Finch 5 Chatters	0:29 Atlapetes schistaceus old (18/12/1996 06:00h, Páramo del Batallon, Tachira, Venezuela, 08.09N,71.57W) © Peter Boesman.
3081 6	Slaty Brush-Finch 6 Chatters	0:27 Atlapetes schistaceus schistaceus. R.N. Rio Blanco, Caldas, Colombia, 2600m, 14:00h, 19-07-2008, N5.0'5" W75.30'0", song and calls © Andrew Spencer.
3081 7	Slaty Brush-Finch 7 Chatters	1:43 Atlapetes schistaceus. Entre La Romelia y El Planchon (PNN Munchique), Charguayaco, Vereda La Romelia, Mpio El Tambo, Cauca, Colombia, 2300m, 06:30h, 30-09-2000, Song © Bernabe Lopez-Lanus.
3081 8	Slaty Brush-Finch 8 Call	0:11 Atlapetes schistaceus old (23/7/2000 10:00h, Dinira National Park, Lara, Venezuela, 09.42N,70.03W) © Peter Boesman.
3095 1	Pileated Finch 1 Song	0:55 Coryphospingus pileatus (1/9/1997 , Tiznados, Guarico, Venezuela, 09.30N 67.30W) © Gustavo Rodriguez
3095 2	Pileated Finch 2 Song	0:44 Coryphospingus pileatus. (Reserva Montecano, Falcon, Venezuela, 9:30h, 18-12-2006). © Andrew Spencer.
3095 3	Pileated Finch 3 Song	0:40 Coryphospingus pileatus pileatus. (Reserva Ecologica de Guapiassu - RJ, Brazil, 50m, 06:45h, 30-04-2005, S22.24'6" W42.43'36"). (Background: House Wren, Chestnut-backed Antshrike, Great Kiskadee). © Nick Athanas.
3095 4	Pileated Finch 4 Call	0:13 Coryphospingus pileatus (27/1/2004, Petrolina area, Pernambuco, Brazil, 09.25S,40.30W) © Peter Boesman
3095 5	Pileated Finch 5 Call	0:56 Coryphospingus pileatus (26/1/2004 07:30h, Canudos, Bahia, Brazil, 11.50S,39.00W) © Peter Boesman.
3095 6	Pileated Finch 6 Interaction calls ()	0:04 Coryphospingus pileatus (27/1/2004 06:30h, Petrolina area, Pernambuco, Brazil, 09.25S,40.30W) © Peter Boesman.
3097 1	Crimson-breasted Finch 1 Song	1:00 Rhodospingus cruentus. Ayampe, Manabi, Ecuador, 50m, 16:00h, 15-01-2008, S1.40'0" W80.47'0", song © Andrew Spencer.
3099 1	Common Bush-Tanager 1 Dawn song	0:21 Chlorospingus ophthalmicus (29/12/1997 07:00h, Guaramacal NP, Trujillo, Venezuela, 09.10N,70.11W) © Peter Boesman
3099 2	Common Bush-Tanager 2 Call	0:18 Chlorospingus ophthalmicus (6/8/2002 10:00h, Cerro de Paja, Carabobo, Venezuela, 10.18N,68.15W) © Peter Boesman
3099 3	Common Bush-Tanager 3 Call	0:08 Chlorospingus ophthalmicus (24/7/2003 08:15h, Sierra de Aroa, Yaracuy, Venezuela, 10.20N,68.50W) © Peter Boesman.
3101 1	Dusky Bush-Tanager 1 Song	0:18 Chlorospingus semifuscus semifuscus. Tandayapa Valley, Pichincha, Ecuador, 2160m, 10:30h, 12-02-2001, S0.1'0" W78.41'0", song, © Nick Athanas.
3103 1	Yellow-throated Bush-Tanager 1 Call	0:29 Chlorospingus flavigularis (27/6/1995 10:00h, Manu Andean Slope, Cuzco, Peru, 13.10S,71.30W) © Peter Boesman.
3103 2	Yellow-throated Bush-Tanager 2 Call	0:16 Chlorospingus flavigularis (4/8/2008 09:00h, Pozo area, Pasco, Peru, 10.10S,75.30W) © Peter Boesman.
3104 1	Yellow-green Bush-Tanager 1 Song	1:38 Chlorospingus flavovirens. La Union Road, 6.5 km NW of Alto Tambo, Esmeraldas, Ecuador, 680m, 07:30h, 31-07-2011, Song from one of a pair of birds, and calls from the other at times in the background. © Andrew Spencer.
3104 2	Yellow-green Bush-Tanager 2 Call	0:11 Chlorospingus flavovirens. La Union Road, 6.5 km NW of Alto Tambo, Esmeraldas, Ecuador, 680m, 07:30h, 31-07-2011, N0.58'20" W78.33'19", Calls from one of a pair. © Andrew Spencer.
3105 1	Ashy-throated Bush-Tanager 1 Song and calls	0:32 Chlorospingus canigularis. (January 2004. Km 13 on Narupa - Loreto road, Napo, Ecuador. 950 - 1350 m. 0°43' S, 77°44' W). (Background: Thrush-like Wren). Recording was edited. John V. Moore.
3105 2	Ashy-throated Bush-Tanager 2 Call	0:23 Chlorospingus canigularis. (15th March 2010 09h00, Braulio Carrillo NP, Quebrada Gonzalez HQ, Las Palmas trail, 500m elev., Heredia, Costa Rica). © Peter Boesman.
3106 1	Hepatic Tanager 1 Song	0:15 Piranga flava (1/10/1996, Choroni road, Aragua, Venezuela, 10.22N 67.35W) © Gustavo Rodriguez
3106 2	Hepatic Tanager 2 Call	0:28 Piranga flava lutea. Laguna Pedro Palo, Cundinamarca, Colombia, 2050m, 11:00h, 21 Jan 2010, Calls, male Western Hepatic Tanager © Frank Lambert.
3107 1	Summer Tanager 1 Song	0:04 Piranga rubra (15/4/1999 07:00h, Devil Den's SP, AR, USA) © Peter Boesman
3107 2	Summer Tanager 2 Call	0:12 Piranga rubra (8/3/1997 11:00h, Yacambu NP, Lara, Venezuela, 09.43N,69.35W) © Peter Boesman.
3107 3	Summer Tanager 3 Call	0:23 Piranga rubra (25/12/1996, La Petrolea area, Tachira, Venezuela, 07.38N,72.21W) © Peter Boesman
3108 1	Scarlet Tanager 1 song	0:14 Piranga olivacea. (Gregory Canyon, Boulder Co., Colorado, United States, 08:55h, 11-06-2008, N40.0'9" W105.17'14"). Out of range individual. (Background: Western Tanager). © Andrew Spencer.
3108 2	Scarlet Tanager 2 call	0:48 Piranga olivacea. (Sewanee, Franklin County, Tennessee, USA, 580m, 17:13h, 05-06-2007, N35.133° W85.55'19"). Bird not seen. ID by comparison with Lang Elliott's commercial recordings. (Background: Carolina Wren, Indigo Bunting). © Chris Parrish.
3110 1	Red-hooded Tanager 1 Song	0:25 Piranga rubriceps. Finca La Selva (Quebrada San Jose), sobre Toche, Cajamarca, Tolima, Colombia, 2600m, 07:15h, 13-07-1998, Song, © Bernabe Lopez-Lanus.
3110 2	Red-hooded Tanager 2 Song	0:24 Piranga rubriceps. Hacienda Las Cruces, area La Ceja-Toche, Mpio Ibague, Tolima, Colombia, 2500m, 14:36h, 16-06-1998, Song © Bernabe Lopez-Lanus.
3111 1	White-winged Tanager 1 Song	0:21 Piranga leucoptera (1/8/2002 09:30h, Upper escalera, Bolivar, Venezuela, 05.58N,61.24W) © Peter Boesman
3111 2	White-winged Tanager 2 Call	0:19 Piranga leucoptera (4/8/2000 17:00h, Yacambu NP, Lara, Venezuela, 09.43N,69.35W) © Peter Boesman
3111 3	White-winged Tanager 3 Call	0:15 Piranga leucoptera (5/6/2000 08:00h, Gomez Farias area, Tamaulipas, Mexico, 23.00N,99.06W) © Peter Boesman
3112 1	Red-crowned Ant-Tanager 1 Song and call	1:24 Habia rubica (Bonampak, Chiapas, Mexico, 16.42N,91.05W) © Peter Boesman
3112 2	Red-crowned Ant-Tanager 2 Song	0:20 Habia rubica (5/8/2003 , Ubatuba, Sao Paulo, Brazil, 23.26S,45.04W) © Mark Van Beirs.
3112 3	Red-crowned Ant-Tanager 3 Call	0:12 Habia rubica (5/2/2004 05:30h, Boa Nova humid area, Bahia, Brazil, 14.30S,40.05W) © Peter Boesman.
3112 4	Red-crowned Ant-Tanager 4 Call	1:22 Habia rubica (29/7/2009 07:30h, Pantiacolla Lodge, Madre de Dios, Peru, 12.39S,71.14W) © Peter Boesman
3112 5	Red-crowned Ant-Tanager 5 Soft calls	0:17 Habia rubica (9/8/2004 10:30h, Itapoá - Volta Velha, Santa Catarina, Brazil, 26.07S,48.35W) © Peter Boesman.
3113 1	Red-throated Ant-tanager 1 song	0:15 Habia fuscicauda. (15th March 2010 05h50, La Selva biological station, Heredia, Costa Rica). © Peter Boesman.
3113 2	Red-throated Ant-tanager 2 song	1:45 Habia fuscicauda (15/4/2003 08:30h, Canyon del Sumidero, Chiapas, Mexico, 17.00N,93.05W) © Peter Boesman
3113 3	Red-throated Ant-Tanager 3 call	0:12 Habia fuscicauda (6/4/2003 06:45h, La Jungla, Los Tuxtlas, Vera Cruz, Mexico, 18.24N,95.06W) © Peter Boesman
3113 4	Red-throated Ant-Tanager 4 call	0:25 Habia fuscicauda. (13th March 2010 7h30, La Selva biological station, Heredia, Costa Rica). (Background: Fasciated Antshrike, Barred Antshrike, Yellow-olive Flycatcher). © Peter Boesman.

3114 1	Sooty Ant-Tanager 1 Song	1:25	<i>Habia gutturalis</i> (28th December 2009 7h45, La Victoria, Cundinamarca, Colombia, 5°19'55 N 74°55'12"W). © Peter Boesman.
3114 2	Sooty Ant-Tanager 2 Song and calls	1:47	<i>Habia gutturalis</i> (28th December 2009 7h45, La Victoria, Cundinamarca, Colombia, 5°19'55 N 74°55'12"W). © Peter Boesman.
3114 3	Sooty Ant-Tanager 3 Call	0:22	<i>Habia gutturalis</i> (28th December 2009 7h15, La Victoria, Cundinamarca, Colombia, 5°19'55 N 74°55'12"W). © Peter Boesman.
3114 4	Sooty Ant-Tanager 4 Call	0:24	<i>Habia gutturalis</i> (4th February 2011 8h30, Río Claro, Doradal, Antioquia, Colombia, 1500m, 5.54°0' N, 74.50°54' W). (Background: Buff-throated Saltator). © Peter Boesman.
3115 1	Crested Ant-Tanager 1 Call	1:59	<i>Habia cristata</i> . RNA Las Tangaras, Choco, Colombia, 1200m, 05:50h, 24-06-2011, N5.4344° W76.14°38", calls from one of a flock of four-five coming in to eat bugs from near some lights early in the morning. © Andrew Spencer.
3115 2	Crested Ant-Tanager 2 Call ()	0:08	<i>Habia cristata</i> (12th February 2011 8h00, Clarita Botero near Ibagué, Tolima, Colombia). © Peter Boesman.
3116 1	Carmioli's Tanager 1 Song	1:22	<i>Chlorothraupis carmioli</i> . Ibe Igar Trail, Nusagandi, Panama Province, Panama, 400m, 07:00h, 18-03-2009, Song © Andrew Spencer
3116 2	Carmioli's Tanager 2 Song and call	0:17	<i>Chlorothraupis carmioli</i> (16/4/1995 , Nusagandi NP , Panama, 09.20N,78.50W) © Peter Boesman.
3116 3	Carmioli's Tanager 3 Call	0:27	<i>Chlorothraupis carmioli</i> (16/4/1995 , Nusagandi NP , Panama, 09.20N,78.50W) © Peter Boesman.
3117 1	Lemon-spectacled Tanager 1 Call	0:36	<i>Chlorothraupis olivacea</i> . Departamento de Choco, Parque Nacional Natural Ensenada de Ultría, Colombia, N5.58°48' W77.20°59", calls. © Frank Lambert.
3118 1	Ochre-breasted Tanager 1 Song and call	0:42	<i>Chlorothraupis stolzmanni</i> (25/2/2006 08:30h, Silanche reserve, Pichincha, Ecuador, 00.10N,79.15W) © Peter Boesman.
3119 1	Golden-bellied Grosbeak 1 Song	0:43	<i>Pheucticus chrysogaster</i> (25/1/1993 17:45h, Tumbaco, Pichincha, Ecuador, 00.13S,78.24W) © Niels Krabbe.
3119 2	Golden-bellied Grosbeak 2 Call	0:14	<i>Pheucticus chrysogaster</i> (3/1/1994 09:50h, Santa Marta Lorenzo road, Magdalena, Colombia, 11.00N,73.40W) © Peter Boesman
3120 1	Black-backed Grosbeak 1 Song	0:23	<i>Pheucticus aureoventris</i> . Ex Hacienda El Pensil, Tenjo, Cundinamarca, Colombia, 2675m, 17:36h, 13-04-2000, Song © Bernabe Lopez-Lanus.
3120 2	Black-backed Grosbeak 2 Song	0:39	<i>Pheucticus aureoventris</i> . (14-03-1995, Cerro Palmarcito, Chuquisaca, Bolivia, 2450m, S18.32°0' W64.53°0'). Deciduous scrub and small trees. Ref.: NK CVIB 224-246 © Niels Krabbe.
3120 3	Black-backed Grosbeak 3 Call	0:36	<i>Pheucticus aureoventris</i> . (07-07-08 06:30h, Santa Rosa, Peru, 1980m). © Fabrice Schmitt.
3121 1	Rose-breasted Grosbeak 1 Call	0:14	<i>Pheucticus ludovicianus</i> (8/4/2003 18:00h, Campamento Río Lacandon, Chiapas, Mexico, 16.43N,91.05W) © Peter Boesman.
3121 2	Rose-breasted Grosbeak 2 Call	0:14	<i>Pheucticus ludovicianus</i> (8/4/2003 18:00h, Campamento Río Lacandon, Chiapas, Mexico, 16.43N,91.05W) © Peter Boesman.
3123 1	Rose-breasted Chat 1 Song	1:30	<i>Granatellus pelzelni</i> (7/8/2003, Río Grande area, Bolívar, Venezuela, 08.03N,61.40W) © Peter Boesman
3123 2	Rose-breasted Chat 2 Song	0:18	<i>Granatellus pelzelni</i> (25/3/1997 06:30h, Lower Río Caura area, Bolívar, Venezuela, 07.15N,65.00W) © Peter Boesman.
3123 3	Rose-breasted Chat 3 Call	0:04	<i>Granatellus pelzelni</i> (7/8/2003 09:15h, Río Grande area, Bolívar, Venezuela, 08.03N,61.40W) © Peter Boesman.
3123 4	Rose-breasted Chat 4 Call	0:21	<i>Granatellus pelzelni paraensis</i> . (Serra de Carajás, PA, Brazil, 250m, 07:00h, 21-01-2006, S6.937° W50.20°45'). Response to playback. (Cinereous Tinamou, Coraya Wren, Fasciated Antshrike, Slate-colored Grosbeak). © Nick Athanas.
3124 1	Vermilion Cardinal 1 Song	0:39	<i>Cardinalis phoeniceus</i> (6/7/1997 07:00h, Foothills of Serranía de San Luis, Falcon, Venezuela, 11.19N,69.36W) © Peter Boesman
3124 2	Vermilion Cardinal 2 Song	0:59	<i>Cardinalis phoeniceus</i> (28/7/2003 06:45h, Peninsula de Araya, Sucre, Venezuela, 10.40N,63.42W) © Peter Boesman
3124 3	Vermilion Cardinal 3 Song	0:31	<i>Cardinalis phoeniceus</i> (7/8/2006 18:30h, Coro area, Falcon, Venezuela, 11.24N,69.40W) © Nick Athanas.
3124 4	Vermilion Cardinal 4 Song	0:27	<i>Cardinalis phoeniceus</i> (February 2009, Puente Torres, Falcon, Venezuela, 11.19N,69.36W) © Hans Matheve.
3124 5	Vermilion Cardinal 5 Song	0:22	<i>Cardinalis phoeniceus</i> . Aprox 20 km al W de la ciudad de Riohacha, Municipio Riohacha, La Guajira, Colombia, 20m, amh, 01-11-2000, Song © Bernabe Lopez-Lanus.
3124 6	Vermilion Cardinal 6 Call	0:33	<i>Cardinalis phoeniceus</i> (February 2009, Puente Torres, Falcon, Venezuela, 11.19N,69.36W) © Hans Matheve.
3125 1	Yellow-green Grosbeak 1 Song	0:26	<i>Caryothraustes canadensis</i> (31/12/2001 , Lower escalera, Bolívar, Venezuela, 06.00N,61.22W) © Mark Van Beirs.
3125 2	Yellow-green Grosbeak 2 Song	0:32	<i>Caryothraustes canadensis</i> (24/7/2006 07:30h, Tabajos tracks, Sao Gabriel da Cachoeira, Amazonas, Brazil, 00.10S,67.00W) © Peter Boesman.
3125 3	Yellow-green Grosbeak 3 Call	0:11	<i>Caryothraustes canadensis</i> (5/8/1999 , Km 73 area, Bolívar, Venezuela, 06.17N,61.17W) © Bernard Van Ellegem.
3125 4	Yellow-green Grosbeak 4 Call	0:45	<i>Caryothraustes canadensis</i> (30/7/2002 17:00h, El Pauji road, Bolívar, Venezuela, 04.36N,61.30W) © Peter Boesman.
3125 5	Yellow-green Grosbeak 5 Call	0:24	<i>Caryothraustes canadensis</i> (March 2009, Lower escalera, Bolívar, Venezuela, 06.00N,61.22W) © Hans Matheve.
3127 1	Blue Seedeater 1 song	0:53	<i>Amaurospiza concolor</i> . (Cerro Gaital, Cocle, Panama, 900m, 9:00h, 10-07-2007). (background: Chestnut-backed Antbird, Scaled Pigeon, Scaly-breasted Wren). © Ken Allaire.
3127 2	Blue Seedeater 2 call	0:17	<i>Amaurospiza concolor</i> . (Cerro Gaital National Monument, Cocle, Panama, 700m, 9:00h, 28/08/2008). Call notes of a female. © Ken Allaire.
3131 1	Blue-black Grosbeak 1 Song	0:28	<i>Cyanocmpsa cyanoides</i> (4/6/1995 09:30h, Palmichal area, Carabobo, Venezuela, 10.21N,68.12W) © Peter Boesman
3131 2	Blue-black Grosbeak 2 Song	0:34	<i>Cyanocmpsa cyanoides</i> (22/10/1994 07:45h, km 88 area, Bolívar, Venezuela, 06.12N,61.24W) © Peter Boesman.
3131 3	Blue-black Grosbeak 3 Song	0:31	<i>Cyanocmpsa cyanoides</i> (28/12/1994 , Villa Tunari, Cochabamba, Bolivia, 17.20S,65.50W) © Peter Boesman
3131 4	Blue-black Grosbeak 4 Song	0:28	<i>Cyanocmpsa cyanoides</i> (26/3/1997 07:00h, Lower Río Caura area, Bolívar, Venezuela, 07.15N,65.00W) © Peter Boesman.
3131 5	Blue-black Grosbeak 5 Call	0:47	<i>Cyanocmpsa cyanoides</i> (5/8/2003 18:00h, La Sirena, El Palmar, Bolívar, Venezuela, 08.10N,61.55W) © Peter Boesman
3131 6	Blue-black Grosbeak 6 Call	0:13	<i>Cyanocmpsa cyanoides</i> (4/6/1995 09:00h, Palmichal area, Carabobo, Venezuela, 10.21N,68.12W) © Peter Boesman
3131 7	Blue-black Grosbeak 7 Call	0:13	<i>Cyanocmpsa cyanoides</i> (30/10/1993 , Lower Río Caura area, Bolívar, Venezuela, 07.15N,65.00W) © Peter Boesman.
3131 8	Blue-black Grosbeak 8 Call	0:37	<i>Cyanocmpsa cyanoides</i> (2/8/2000 10:00h, Obra la Toma, Tachira, Venezuela, 07.56N,71.43W) © Peter Boesman.
3131 9	Blue-black Grosbeak 9 Call	0:37	<i>Cyanocmpsa cyanoides</i> (March 2009, Junglaven area, Amazonas, Venezuela, 05.00N,66.23W) © Hans Matheve
3132 1	Ultramarine Grosbeak 1 Song	0:56	<i>Cyanocmpsa brissonii</i> (6/8/2000 08:00h, Quibor - Sanare road, Lara, Venezuela, 09.48N,69.36W) © Peter Boesman.
3132 2	Ultramarine Grosbeak 2 Song	0:28	<i>Cyanocmpsa brissonii</i> (6/7/1997 07:00h, Canoabo area, Carabobo, Venezuela, 10.20N,68.18W) © Peter Boesman.
3132 3	Ultramarine Grosbeak 3 Call and song	0:50	<i>Cyanocmpsa brissonii</i> (28/1/2004, Lagoa Grande area, Pernambuco, Brazil, 09.00S,40.15W) © Peter Boesman
3132 4	Ultramarine Grosbeak 4 Call	0:32	<i>Cyanocmpsa brissonii</i> (28/1/2004 06:00h, Lagoa Grande area, Pernambuco, Brazil, 09.00S,40.15W) © Peter Boesman.
3133 1	Blue Grosbeak 1 song	0:58	<i>Passerina caerulea</i> . 27/06/2004, Intermezzo del Bosque, nicaragua, 400m. (Background: Grayish Saltator, Banded Wren, Inca Dove). © D. Knapp
3133 2	Blue Grosbeak 2 song	0:53	<i>Passerina caerulea</i> . (Salamar , El Salvador, 5m, 25-07-06). Song is natural. (Background: Banded Wren, Black-headed Trogon, Golden-fronted Woodpecker). © Jesse Fagan.
3133 3	Blue Grosbeak 3 call	0:18	<i>Guiraca caerulea</i> (30/5/2000 07:00h, Cola de Caballo area, Nuevo Leon, Mexico, 25.24N,100.18W) © Peter Boesman
3134 1	Indigo Bunting 1 Song	0:29	<i>Passerina cyanea</i> (25/4/1999 07:00h, Ozark Mountains, AR, Arkansas, USA,) © Peter Boesman
3134 2	Indigo Bunting 2 Call	0:09	<i>Passerina cyanea</i> (25/4/1999 07:00h, Devil Den's SP, AR, , USA,) © Peter Boesman.
3135 1	Dickcissel 1 Song	0:21	<i>Spiza americana</i> (22/4/1999, Moffett River Bottoms, OK, Oklahoma, USA,) © Peter Boesman
3135 2	Dickcissel 2 Call	0:10	<i>Spiza americana</i> . Sabana Grande (aprox 20 km al W de la ciudad de Riohacha), Municipio Riohacha, La Guajira, Colombia, 3m, amh, 01-11-2000 Call © Bernabe Lopez-Lanus.
3136 1	Ovenbird 1 Song	0:40	<i>Seiurus aurocapillus</i> (25/4/1999 07:00h, Ozark Mountains, AR, Arkansas, USA,) © Peter Boesman
3136 2	Ovenbird 2 Call	0:11	<i>Seiurus aurocapillus</i> (1/12/1998 07:00h, Cozumel Island, Quintana Roo, Mexico, 20.25N,86.48W) © Peter Boesman.
3137 1	Golden-winged Warbler 1 song	0:55	<i>Vermivora chrysoptera</i> . (Lake County, Minnesota, USA, 18:15h, 12-06-2007). (Background: Red-eyed Vireo, Chestnut-sided Warbler). © Andrew Spencer.
3137 2	Golden-winged Warbler 2 call	0:42	<i>Vermivora chrysoptera</i> . (Coberly Sods, Randolph Co., West Virginia, USA, 860m, 18:30h, 02-05-2010, N38.55°33' W79.44°49'), Contact call © Andrew Spencer.
3138 1	Blue-winged Warbler 1 song	0:43	<i>Vermivora pinus</i> . (Steel Creek, Buffalo National River, Madison Co., Arkansas, USA, 07:10h, 26-04-2009). Phenotypically pure, but singing a song closer to Golden-winged Warbler. © Andrew Spencer.
3139 1	Tennessee Warbler 1 Song	0:24	<i>Vermivora peregrina</i> (15/4/1999 07:00h, Devil Den's SP, AR, , USA,) © Peter Boesman.
3139 2	Tennessee Warbler 2 Song	0:30	<i>Vermivora peregrina</i> (24/4/1999 07:00h, Ozark Mountains, AR, , USA,) © Peter Boesman.
3139 3	Tennessee Warbler 3 Call ()	0:25	<i>Vermivora peregrina</i> (10/4/2003 11:00h, Bonampak, Chiapas, Mexico, 16.42N,91.05W) © Peter Boesman.

3140 1 Northern Parula 1 Song 0:16 Parula americana (10/4/1998 07:00h, Sequoyah NWR, OK, Oklahoma, USA,) © Peter Boesman

3141 1 Tropical Parula 1 Song 1:00 Parula pitiayumi (27/7/2004, Arraial do Cabo, Rio de Janeiro, Brazil, 22.57S,42.02W) © Peter Boesman

3142 2 Tropical Parula 2 Song 0:28 Parula pitiayumi (3/8/2008 11:30h, Villa Rica-Oxapampa road, Pasco, Peru, 10.35S,75.20W) © Peter Boesman

3143 3 Tropical Parula 3 Song 0:54 Parula pitiayumi (26/7/2002 09:30h, Lower escalera, Bolivar, Venezuela, 06.00N,61.22W) © Peter Boesman.

3144 4 Tropical Parula 4 Song 0:07 Parula pitiayumi (25/7/2004 08:15h, Ubatuba - Pica Pau area, Sao Paulo, Brazil, 23.24S,45.05W) © Peter Boesman.

3142 1 Chestnut-sided Warbler 1 Song 0:37 Dendroica pensylvanica (25/4/1999 07:00h, Devil Den's SP, Arkansas, USA,) © Peter Boesman

3142 2 Chestnut-sided Warbler 2 Call 0:24 Dendroica pensylvanica. (21st March 2010 09h30, Esquinas lodge, 100m elev., Piedras Blancas NP, Puntarenas, Costa Rica) (Background: Chestnut-backed Antbird, Long-billed Gnatwren). © Peter Boesman.

3143 1 Yellow Warbler 1 Song (Mangrove W) 0:48 Dendroica erithachorides (29/11/1998 07:00h, Celestun, Yucatan, Mexico, 20.50N,90.18W) © Peter Boesman

3143 2 Yellow Warbler 2 Call (Mangrove W) 0:15 Dendroica erithachorides (16/3/2001 18:00h, Puerto Arista, Chiapas, Mexico, 16.03N,93.45W) © Peter Boesman

3143 3 Yellow Warbler 3 Call (Migrant) 0:11 Dendroica petechia (17/11/1996 07:00h, Tacarigua dam, Falcon, Venezuela, 11.00N,68.24W) © Peter Boesman

3144 1 Blackpoll Warbler 1 Song 0:28 Dendroica striata (12/4/1999 07:00h, Sequoyah NWR, OK, Oklahoma, USA,) © Peter Boesman

3144 2 Blackpoll Warbler 2 Call 0:13 Dendroica striata (26/12/1996, Rio Negro/Rio Frio area, Tachira, Venezuela, 07.36N,72.12W) © Peter Boesman

3145 1 Bay-breasted Warbler 1 Song 1:10 Dendroica castanea. (Rivière Éternité, Saguenay, Quebec, Canada, 15m, 09:54h, 23-05-2007, N48.17°39' W70.20°30"). © Chris Parrish.

3145 2 Bay-breasted Warbler 2 Call 0:09 Dendroica castanea (20/12/1996 16:00h, San Juan de Colon, Tachira, Venezuela, 08.05N,72.16W) © Peter Boesman.

3146 1 Blackburnian Warbler 1 Call 0:14 Dendroica fusca (22/12/1997 10:00h, Yacambu NP, Lara, Venezuela, 09.43N,69.35W) © Peter Boesman

3146 2 Blackburnian Warbler 2 Call 0:33 Dendroica fusca (19/12/2000 07:45h, Yacambu NP, Lara, Venezuela, 09.43N,69.35W) © Chris Sharpe

3147 1 Magnolia Warbler 1 song 0:21 Dendroica magnolia. (Baie Sainte Marguerite, Saguenay, Quebec, Canada, 30m, 08:20h, 24-05-2007, N48.15°14' W69.57°30"). © Chris Parrish.

3147 2 Magnolia Warbler 2 call 0:06 Dendroica magnolia (25/11/1998 07:00h, Canyon del Sumidero, Chiapas, Mexico, 17.00N,93.05W) © Peter Boesman

3147 3 Magnolia Warbler 3 call 0:11 Dendroica magnolia (18/11/1998 09:00h, Felipe Carrillo, Quintana Roo, Mexico, 19.40N,87.45W) © Peter Boesman

3147 4 Magnolia Warbler 4 call 0:13 Dendroica magnolia (6/4/2003 12:30h, La Jungla, Los Tuxtlas, Vera Cruz, Mexico, 18.24N,95.06W) © Peter Boesman

3148 1 Cerulean Warbler 1 Song 0:22 Dendroica cerulea (25/4/1999 07:00h, Ozark Mountains, AR, , USA,) © Peter Boesman.

3149 1 Cape May Warbler 1 song 0:59 Dendroica tigrina. (Stony River Road, Lake Co., Minnesota, USA, 10:45h, 11-06-2007). With five and six notes in song. (Background: Ovenbird). © Andrew Spencer.

3150 1 Black-throated Blue Warbler 1 Song 1:03 Dendroica caerulescens. (Gunflint Trail, Cook Co., Minnesota, USA, 09:00h, 12-06-2007). (Background: Blackburnian Warbler, Red-eyed Vireo, Pine Warblerà. © Andrew Spencer.

3150 2 Black-throated Blue Warbler 2 Call 0:58 Dendroica caerulescens. (Goshen, Hampshire Co., Massachusetts, USA, 10:30h, 20-06-2008). © Andrew Spencer.

3151 1 Yellow-rumped Warbler 1 Call 0:26 Dendroica coronata (12/3/2001 08:00h, Teotitlan, Oaxaca, Mexico, 17.05N,96.30W) © Peter Boesman

3151 2 Yellow-rumped Warbler 2 call 0:34 Dendroica coronata (14/2/2007 11:40h, Salton Sea, CA, , USA,) © Peter Boesman

3152 1 Black-throated Green Warbler 1 Call 0:09 Dendroica virens (6/12/2000 16:40h, Chichen Itza, Yucatan, Mexico, 20.41N,88.34W) © Chris Sharpe

3153 1 Townsend's Warbler 1 Song and call 1:03 Dendroica townsendii. English Camp, San Juan Island National Historical Park, San Juan Co., Washington, United States, 10m, 15:50h, 22-04-2011, N48.35°31' W123.93", song and call, natural vocalization © Andrew Spencer.

3154 1 Yellow-throated Warbler 1 song 0:28 Dendroica dominica (23/4/1999 07:00h, Devil Den's SP, AR, , USA,) © Peter Boesman

3154 2 Yellow-throated Warbler 2 call 0:40 Dendroica dominica.(near Rocksprings, Edwards Co., Texas, USA, 16:00h, 29-05-2009). © Andrew Spencer.

3155 1 Prairie Warbler 1 song 0:33 Dendroica discolor (15/4/1999 07:00h, Devil Den's SP, AR, , USA,) © Peter Boesman

3156 1 Palm Warbler 1 Song 0:39 Dendroica palmarum. (Sax-Zim Bog, St. Louis Co., Minnesota, USA, 06:10h, 13-06-2007). (Background: Connecticut Warbler, White-throated Sparrow, Yellow-bellied Flycatcher, Nashville Warbler). © Andrew Spencer.

3156 2 Palm Warbler 2 Call 1:02 Dendroica palmarum. (Sax-Zim Bog, St. Louis Co., Minnesota, USA, 06:10h, 13-06-2007). (Background: Connecticut Warbler, Nashville Warbler, White-throated Sparrow). © Andrew Spencer.

3157 1 American Redstart 1 Song 0:27 Setophaga ruticilla (25/4/1999 07:00h, Devil Den's SP, AR, , USA,) © Peter Boesman.

3157 2 American Redstart 2 Call 0:08 Setophaga ruticilla (23/4/1999 07:00h, Devil Den's SP, AR, , USA,) © Peter Boesman.

3157 3 American Redstart 3 Call 0:19 Setophaga ruticilla. (07/04/2003 17h45, Libertad road, Chiapas, Mexico). (Background: White-fronted Amazon). Peter Boesman.

3157 4 American Redstart 4 Call 0:29 Setophaga ruticilla. (Bolivar, el pajui, Venezuela, 900m, 05-12-2010). Call by a female. (Background: Striped Cuckoo). © Alexandre Renaudier.

3158 1 Black-and-white Warbler 1 Song 0:26 Mniotilta varia (24/4/1999 07:00h, Ozark Mountains, AR, Arkansas, USA,) © Peter Boesman

3158 2 Black-and-white Warbler 2 Call 0:13 Mniotilta varia (22/12/1997 10:00h, Yacambu NP, Lara, Venezuela, 09.43N,69.35W) © Peter Boesman

3158 3 Black-and-white Warbler 3 Call 0:15 Mniotilta varia (19/11/1998 09:00h, Felipe Carrillo, Quintana Roo, Mexico, 19.40N,87.45W) © Peter Boesman.

3158 4 Black-and-white Warbler 4 Call 0:24 Mniotilta varia (28/11/1998 07:00h, Uxmal Ruins, Yucatan, Yucatan, Mexico, 20.25N,89.40W) © Peter Boesman.

3159 1 Prothonotary Warbler 1 Song 0:24 Protonotaria citrea (10/4/1998 07:00h, Sequoyah NWR, OK, , USA,) © Peter Boesman.

3159 2 Prothonotary Warbler 2 Song 0:26 Protonotaria citrea (12/4/1999 07:00h, Sequoyah NWR, OK, , USA,) © Peter Boesman.

3160 1 Worm-eating Warbler 1 Song 0:56 Helminthos vermivorum. (Steel Creek, Buffalo National River, Madison Co., Arkansas, USA, 08:50h, 26-04-2009). © Andrew Spencer.

3160 2 Worm-eating Warbler 2 Song 0:21 Helminthos vermivorus (8/4/1999 07:00h, High Island, TX, , USA,) © Peter Boesman.

3160 3 Worm-eating Warbler 3 Call 0:34 Helminthos vermivorum. (Sewanee, Franklin County, Tennessee, USA, 580m, 19:14h, 26-04-2007, N35.13°3' W85.55°19"). © Chris Parrish.

3161 1 Northern Waterthrush 1 Song 1:08 Seiurus noveboracensis. (Cameron Creek, Waterton NP, Alberta, Canada, 1645m, 13:42h, 14-06-2007). © Chris Parrish.

3161 2 Northern Waterthrush 2 Call 0:17 Seiurus noveboracensis (17/11/1996 07:00h, Morrocoy NP, Falcon, Venezuela, 10.51N,68.18W) © Peter Boesman

3161 3 Northern Waterthrush 3 Call 0:10 Seiurus noveboracensis (28/3/1997 06:30h, Orinoco river islands, Amazonas, Venezuela, 05.24N,67.46W) © Peter Boesman

3161 4 Northern Waterthrush 4 Call 0:23 Seiurus noveboracensis (3rd January 2010 8h15, Bosque Bremen, Quindio, Colombia, 4°40'26"N 75°37'5"W). © Peter Boesman.

3161 5 Northern Waterthrush 5 Call 0:31 Seiurus noveboracensis. Humedal de La Conejera (Bogota), Cundinamarca, Colombia, 2600m, amh, 04-03-2000, Alarm call, © Bernabe Lopez-Lanus.

3162 1 Louisiana Waterthrush 1 song 0:32 Seiurus motacilla. (Tremont, Great Smoky Mountains NP, Tennessee, USA, 390m, 07:06h, 17-05-2007). Loud stream noise filtered out. © Chris Parrish.

3162 2 Louisiana Waterthrush 2 call 0:03 Seiurus motacilla (12/1999 07:30h, Indian Creek, , Belize, 16.19N,88.49W) © Chris Sharpe

3163 1 Kentucky Warbler 1 Song 0:36 Oporornis formosus (25/4/1999 07:00h, Devil Den's SP, AR, Arkansas, USA,) © Peter Boesman

3163 2 Kentucky Warbler 2 Call 0:26 Oporornis formosus (11/4/2003 12:15h, Campamento Rio Lacandon, Chiapas, Mexico, 16.43N,91.05W) © Peter Boesman.

3163 3 Kentucky Warbler 3 Call 0:34 Oporornis formosus (10/4/2003 17:30h, Bonampak, Chiapas, Mexico, 16.42N,91.05W) © Peter Boesman.

3164 1 Connecticut Warbler 1 Song 1:04 Oporornis agilis. Sax-Zim Bog, St. Louis Co., Minnesota, USA, 08:40h, 13-06-2007. Song, singing from the top of a spruce tree. also: White-throated Sparrow © Andrew Spencer.

3165 1 Mourning Warbler 1 Song 0:34 Oporornis philadelphia (Pondicherry Wildlife Refuge, Coos Co., New Hampshire, USA 07:00h, 25-05-2010, N44.22°1' W71.31°37"). (Background: Blue-headed Vireo, White-throated Sparrow, Common Yellowthroat, Chestnut-sided Warbler), © Andrew Spencer

3165 2 Mourning Warbler 2 Call 0:33 Oporornis philadelphia. (South Bay Bog, Coos Co., New Hampshire, USA, 500m, 05:30h, 09-06-2010, N45.346° W71.1452"). (Background: Red-eyed Vireo, White-throated Sparrow, Magnolia Warbler, Dark-eyed Junco). © Andrew Spencer.

3165 3 Mourning Warbler 3 Call () 0:04 Oporornis philadelphia (26/12/1996 07:00h, Rio Negro/Rio Frio area, Tachira, Venezuela, 07.36N,72.12W) © Peter Boesman

3166 1 Common Yellowthroat 1 Song 0:32 Geothlypis trichas (10/4/1998 07:00h, Sequoyah NWR, OK, Oklahoma, USA,) © Peter Boesman

3166 2 Common Yellowthroat 2 Call 0:05 Geothlypis trichas (10/4/1998 07:00h, Sequoyah NWR, OK, Oklahoma, USA,) © Peter Boesman

3167 1 Olive-crowned Yellowthroat 1 song 0:11 Geothlypis semiflava. (15th March 2010 08h00, El Tigre fields near La Selva biological station, Heredia, Costa Rica). © Peter Boesman.

3167 2 Olive-crowned Yellowthroat 2 song
3167 3 Olive-crowned Yellowthroat 3 song
3168 1 Masked Yellowthroat 1 Song
3168 2 Masked Yellowthroat 2 Song
3168 3 Masked Yellowthroat 3 Song
3168 4 Masked Yellowthroat 4 Call
3168 5 Masked Yellowthroat 5 Call
3168 6 Masked Yellowthroat 6 Call
3169 1 Hooded Warbler 1 Song
3169 2 Hooded Warbler 2 song
3170 1 Wilson's Warbler 1 song
3170 2 Wilson's Warbler 2 song
3170 3 Wilson's Warbler 3 call
3170 4 Wilson's Warbler 4 call
3170 5 Wilson's Warbler 5 call
3171 1 Canada Warbler 1 Call
3172 1 Slate-throated Redstart 1 Song
3172 2 Slate-throated Redstart 2 Song
3172 3 Slate-throated Redstart 3 Song
3172 4 Slate-throated Redstart 4 Song
3172 5 Slate-throated Redstart 5 Song
3172 6 Slate-throated Redstart 6 Call
3172 7 Slate-throated Redstart 7 Call
3178 1 Golden-fronted Redstart 1 Song
3178 2 Golden-fronted Redstart 2 Song
3178 3 Golden-fronted Redstart 3 Song
3179 1 Spectacled Redstart 1 Song
3179 2 Spectacled Redstart 2 Duet
3179 3 Spectacled Redstart 3 Call
3181 1 Yellow-crowned Redstart 1 Song
3181 2 Yellow-crowned Redstart 2 Song
3184 1 Golden-bellied Warbler 1 Song
3184 3 Golden-bellied Warbler 2 Song
3184 3 Golden-bellied Warbler 3 Song ()
3184 4 Golden-bellied Warbler 4 Call
3185 1 Citrine Warbler 1 Song
3185 2 Citrine Warbler 2 Song
3185 3 Citrine Warbler 3 Song
3187 1 Black-crested Warbler 1 Song
3187 2 Black-crested Warbler 2 Song
3187 3 Black-crested Warbler 3 Song
3187 4 Black-crested Warbler 4 Song
3187 5 Black-crested Warbler 5 Song
3187 6 Black-crested Warbler 6 Chatter
3187 7 Black-crested Warbler 7 Call
3189 1 Gray-throated Warbler 1 Song
3189 2 Gray-throated Warbler 2 Song
3189 3 Gray-throated Warbler 3 Song
3189 4 Gray-throated Warbler 4 Call and song
3189 5 Gray-throated Warbler 5 Song
3189 6 Gray-throated Warbler 6 Call
3190 1 White-lored Warbler 1 Song
3190 2 White-lored Warbler 2 Song
3190 3 White-lored Warbler 3 Song
3191 1 Russet-crowned Warbler 1 Song
3191 2 Russet-crowned Warbler 2 Song
3191 3 Russet-crowned Warbler 3 Song
3191 5 Russet-crowned Warbler 5 Call
3191 6 Russet-crowned Warbler 6 Call
3193 1 Golden-crowned Warbler 1 Song
3193 2 Golden-crowned Warbler 2 Song
3193 3 Golden-crowned Warbler 3 Call
3193 4 Golden-crowned Warbler 4 Call

0:12 *Geothlypis semiflava*. (15th March 2010 08h00, El Tigre fields near La Selva biological station, Heredia, Costa Rica). © Peter Boesman.
0:29 *Geothlypis semiflava* (22/12/1993 , Piñas, El Oro, Ecuador, 03.40S,79.40W) © Peter Boesman
0:49 *Geothlypis aequinoctialis* (4/8/2002 07:00h, Laguna Unare, Anzoategui, Venezuela, 10.07N,65.20W) © Peter Boesman
0:18 *Geothlypis aequinoctialis* (0/1/1900 , Zero Location, , ,) © Paul Schwartz.
0:25 *Geothlypis aequinoctialis* (3/8/2003 08:30h, Tucupita area, Delta Amac, Venezuela, 09.08N,62.04W) © Peter Boesman.
0:05 *Geothlypis aequinoctialis* (7/2/2004 06:30h, Sao Francisco do Conde, Bahia, Brazil, 12.37S,38.42W) © Peter Boesman.
0:25 *Geothlypis aequinoctialis* (9/8/2004 16:00h, Itapoá - Volta Velha, Santa Catarina, Brazil, 26.07S,48.35W) © Peter Boesman.
0:17 *Geothlypis aequinoctialis*. (Awala-Yalimapo, digue, French Guiana, 2m, 27-08-2007). Calls of a male © Alexandre Renaudier.
0:20 *Wilsonia citrina* (8/4/1999 07:00h, High Island, TX, Texas, USA,) © Peter Boesman
0:21 *Wilsonia citrina* (24/4/1999 07:00h, Ozark Mountains, AR, , USA,) © Peter Boesman
0:27 *Wilsonia pusilla* (4/4/2002 08:00h, Panuco road, Sinaloa, Mexico, 23.22N,106.00W) © Peter Boesman
0:50 *Wilsonia pusilla* (13/4/2003 08:15h, Ocosingo road, Chiapas, Mexico, 16.48N,92.30W) © Peter Boesman
0:20 *Wilsonia pusilla*. (17th March 2010 17h30, Mirador de Quetzales, km70 Cerro de la Muerte, 2750m elev., San José, Costa Rica). © Peter Boesman.
0:18 *Wilsonia pusilla*. (18th March 2010 17h05, Providencia road, Cerro de la Muerte, 2600m elev., San José, Costa Rica). (Background: Sooty Thrush). © Peter Boesman.
0:20 *Wilsonia pusilla*. (18th March 2010 09h30, Mirador de Quetzales, km70 Cerro de la Muerte, 2750m elev., San José, Costa Rica). © Peter Boesman.
0:30 *Wilsonia canadensis* (4/1/2008 09:00h, Abra Patricia road, San Martín, Peru, 05.50S,77.46W) © Peter Boesman
1:00 *Myioborus miniatus* (7/8/2002 14:30h, Cerro El Platillon, Guarico, Venezuela, 09.52N,67.30W) © Peter Boesman
0:31 *Myioborus miniatus* (21/12/1997 09:00h, Yacambu NP, Lara, Venezuela, 09.43N,69.35W) © Peter Boesman.
0:16 *Myioborus miniatus* (24/7/2003 10:00h, Sierra de Aroa, Yaracuy, Venezuela, 10.20N,68.50W) © Peter Boesman.
0:30 *Myioborus miniatus* (26/7/2002 09:30h, Lower escalera, Bolívar, Venezuela, 06.00N,61.22W) © Peter Boesman.
0:15 *Myioborus miniatus* (5th February 2011 7h00, La Romera near Medellín, Antioquia, Colombia). © Peter Boesman.
0:35 *Myioborus miniatus* (5/8/2008 08:30h, Lower Satipo road, Junín, Peru, 11.30S,74.50W) © Peter Boesman
1:23 *Myioborus miniatus*. Reserva La Serrana (Vereda La Serrana), Anorí, Antioquia, Colombia, 1800m, 16:00h, 05-06-2000, Call © Bernabe Lopez-Lanus.
1:32 *Myioborus ornatus* (6th February 2011 6h30, Jardín, Antioquia, Colombia 6° 58' 03" N, 75° 31' 38" W). © Peter Boesman.
0:58 *Myioborus ornatus* (30th December 2009 6h20, R.N. Rio Blanco, Caldas, Colombia, 2600m, 5°5' N 75°30'W). (Background: Golden-faced Tyrannulet). © Peter Boesman.
0:37 *Myioborus ornatus ornatus*. Parque Nacional Natural Chingaza, Cundinamarca, Colombia, 2800m, 08:15h, 06-06-2011, N4.44'49" W73.51'21", song, natural vocalization © Andrew Spencer.
0:30 *Myioborus melanocephalus* (29/12/2007 07:00h, Abra Patricia road, San Martín, Peru, 05.50S,77.46W) © Peter Boesman.
0:30 *Myioborus melanocephalus* (30/7/2008 06:40h, Carpish Tunnel, Huánuco, Peru, 09.40S,76.05W) © Peter Boesman.
0:10 *Myioborus melanocephalus* (30/7/2008 11:00h, Carpish Tunnel, Huánuco, Peru, 09.40S,76.05W) © Peter Boesman.
0:12 *Myioborus flavivertex* (3/1/1994 07:00h, Santa Marta Lorenzo road, Magdalena, Colombia, 11.00N,73.40W) © Peter Boesman.
0:05 *Myioborus flavivertex* (3/1/1994 07:00h, Santa Marta Lorenzo road, Magdalena, Colombia, 11.00N,73.40W) © Peter Boesman.
0:39 *Basileuterus chlorophrys*. Trail to the Rio Mira 4 km. west of Alto Tambo, Esmeraldas, Ecuador, 600m, 07:35h, 20-01-2008, N0.57'22" W78.32'54", song © Andrew Spencer.
0:15 *Basileuterus chlorophrys*. Milpe, Pichincha, Ecuador, 950m, 07:30h, 15-12-2002, N0.143" W78.51'46", Three song phrases from one bird, with one phrase from a second bird at the end. also: Lesser Greenlet © Nick Athanas.
0:35 *Basileuterus chrysogaster* (2nd January 2010 8h20, P.N. Tatamá, Montezuma trail, near Pueblo Rico, Risaralda, Colombia, 1600m, 5°14'3"N 76° 5'21"W). (Background: Immaculate Antbird). © Peter Boesman.
0:37 *Basileuterus chlorophrys*. Narino; El Pangan Nature Reserve, near Junín, Colombia, 1200m, 22-2-08, N1.19'12" W78.6'35", calls, © Frank Lambert.
0:20 *Basileuterus luteoviridis striaticeps* (7/8/2008 06:30h, Apaya-Andamarca road, Junín, Peru, 11.40S,74.50W) © Peter Boesman
1:33 *Basileuterus luteoviridis striaticeps* (7/8/2008 06:45h, Apaya-Andamarca road, Junín, Peru, 11.40S,74.50W) © Peter Boesman
0:23 *Basileuterus luteoviridis richardsoni*. RNA Loro Orejiamarillo, Jardín, Antioquia , Colombia, 2900m, 06:33h, 12-12-2007, N5.32'20" W75.48'16", song/calls, Aggressive response to playback from a pair. © Nick Athanas.
0:28 *Basileuterus nigrocristatus* (19/12/1996 06:00h, Páramo del Zumbador, Tachira, Venezuela, 08.00N,72.00W) © Peter Boesman.
0:28 *Basileuterus nigrocristatus* (23/7/2000 07:00h, Dinira National Park, Lara, Venezuela, 09.42N,70.03W) © Peter Boesman
0:23 *Basileuterus nigrocristatus* (16/12/1996 07:00h, Páramo del Batallon, Tachira, Venezuela, 08.09N,71.57W) © Peter Boesman.
0:39 *Basileuterus nigrocristatus*. Reserva Igaque (SFF), Villa de Leyva, Boyaca, Colombia, 2850m, 15:34h, 26-06-2002, Song © Bernabe Lopez-Lanus.
0:34 *Basileuterus nigrocristatus*. Ex Hacienda El Pensil, Tenjo, Cundinamarca, Colombia, 2675m, 17:36h, 13-04-2000, Song © Bernabe Lopez-Lanus.
0:08 *Basileuterus nigrocristatus*. Bogota-Quebrada la Vieja, Colombia, 2900m, 07:00h, 12-12-2002, Chatter © Doug Knapp.
0:11 *Basileuterus nigrocristatus* (25/7/2008 06:00h, Llanganuco lake area, Ancash, Peru, 09.10S,77.40W) © Peter Boesman
1:02 *Basileuterus cinereicollis* (27/2/1995 07:40h, La Azulita road, Merida, Venezuela, 08.40N,71.24W) © Peter Boesman
0:33 *Basileuterus cinereicollis* (3/8/2000 09:00h, Obra la Toma, Tachira, Venezuela, 07.56N,71.43W) © Peter Boesman.
1:01 *Basileuterus cinereicollis* (26/7/2000 07:00h, Finca Monteverde at Olinda II, Merida, Venezuela, 08.45N,71.28W) © Peter Boesman.
0:25 *Basileuterus cinereicollis* (26/7/2000 07:00h, Finca Monteverde at Olinda II, Merida, Venezuela, 08.45N,71.28W) © Peter Boesman.
0:16 *Basileuterus cinereicollis* (2/8/2000 11:00h, Obra la Toma, Tachira, Venezuela, 07.56N,71.43W) © Peter Boesman.
0:09 *Basileuterus cinereicollis* (February 2009, La Azulita road, Merida, Venezuela, 08.40N,71.24W) © Hans Matheve
0:06 *Basileuterus coronatus* (3/1/1994 06:45h, Santa Marta Lorenzo road, Magdalena, Colombia, 11.00N,73.40W) © Peter Boesman.
0:42 *Basileuterus conspicillatus* (3/1/1994 06:30h, Santa Marta Lorenzo road, Magdalena, Colombia, 11.00N,73.40W) © Peter Boesman.
0:34 *Basileuterus conspicillatus*. RNA El Dorado, Sierra de Santa Marta, Magdalena, Colombia, 1900m, 07:15h, 10-02-2007, N11.6'28" W74.2'55", song, From one bird, but they usually sing in pairs. © Nick Athanas.
1:05 *Basileuterus coronatus* (23/7/2000 09:00h, Dinira National Park, Lara, Venezuela, 09.42N,70.03W) © Peter Boesman.
0:45 *Basileuterus coronatus* (19/4/1997 08:00h, Pico Humboldt trail, Merida, Venezuela, 08.36N,71.05W) © Peter Boesman.
0:28 *Basileuterus coronatus* (29/7/2000 07:00h, El Morro road, Merida, Venezuela, 08.30N,71.05W) © Peter Boesman.
0:19 *Basileuterus coronatus* (19/4/1997 08:00h, Pico Humboldt trail, Merida, Venezuela, 08.36N,71.05W) © Peter Boesman
0:23 *Basileuterus coronatus*. La Suiza (sendero El Manzano), SFF Otun/Quimbaya, corregimiento La Florida, Pereira, Risaralda, Colombia, 1700m, 10:00h, 19-03-1999, N0.0'36" E0.0'36", Calls © Bernabe Lopez-Lanus.
0:26 *Basileuterus culicivorus* (30/4/1995 08:30h, Serrania de San Luis, Falcon, Venezuela, 11.12N,69.42W) © Peter Boesman
0:39 *Basileuterus culicivorus* (14/5/1995 08:00h, Guataparó area, Carabobo, Venezuela, 10.13N,68.05W) © Peter Boesman.
0:08 *Basileuterus culicivorus* (31/7/2002 07:00h, El Pauji road, Bolívar, Venezuela, 04.36N,61.30W) © Peter Boesman.
0:07 *Basileuterus culicivorus* (19/7/1997 09:00h, Turgua area, Aragua, Venezuela, 10.25N,66.48W) © Peter Boesman.

3194 4 Russet-crowned Warbler 4 Song 0:36 *Basileuterus coronatus* (8th February 2011 07h00. RNA El Colibri del Sol, Páramo de Frontino, Antioquia, Colombia, 3200m, 6.26°17'N, 76.5°18' W). © Peter Boesman.

3195 1 Rufous-capped Warbler 1 Song 0:57 *Basileuterus rufifrons mesochrysus*. Parque Natural Gallineral, San Gil, Santander, Colombia, 09:20h, 02-08-2008, Song © Andrew Spencer.

3195 2 Rufous-capped Warbler 2 Song and call 1:50 *Basileuterus rufifrons* (5th January 2010 8h20. Mana Dulce, Tolima, Colombia, 4° 21' 04"N 74° 39' 06"W). (Background: White-bellied Antbird). © Peter Boesman.

3195 3 Rufous-capped Warbler 3 Call 0:26 *Basileuterus rufifrons* (27th December 2009 16h30. La Victoria, Cundinamarca, Colombia, 5°19'55 N 74°55'12"W). © Peter Boesman.

3195 4 Rufous-capped Warbler 4 Call 0:45 *Basileuterus rufifrons*. Parque Natural Gallineral, San Gil, Santander, Colombia, 09:20h, 02-08-2008, Call © Andrew Spencer.

3196 1 Pirre Warbler 1 Call 0:22 *Basileuterus ignotus* (15/4/1995 08:00h, Darien Cana, Panama, 07.50N,77.40W) © Peter Boesman.

3197 1 Three-striped Warbler 1 Song 0:49 *Basileuterus tristriatus* (27/12/1997 12:00h, Dinira National Park, Lara, Venezuela, 09.42N,70.03W) © Peter Boesman

3197 2 Three-striped Warbler 2 Song 0:50 *Basileuterus tristriatus daedalus*. El 18, Valle del Cauca, Colombia, 7m, 07.20h, 17-07-2008, Song © Andrew Spencer.

3197 3 Three-striped Warbler 3 Song 0:38 *Basileuterus tristriatus* (19/7/1997 06:30h, Colonia Tovar area, Aragua, Venezuela, 10.24N,67.20W) © Peter Boesman.

3197 4 Three-striped Warbler 4 Song 0:08 *Basileuterus tristriatus* (5th February 2011 6h30. La Romera near Medellín, Antioquia, Colombia). (Background: Stiles Tapaculo). © Peter Boesman.

3197 5 Three-striped Warbler 5 Call and song 0:20 *Basileuterus tristriatus* (5th February 2011 6h30. La Romera near Medellín, Antioquia, Colombia). (Background: Andean Solitaire). © Peter Boesman.

3197 6 Three-striped Warbler 6 Song 0:48 *Basileuterus tristriatus* (24/7/2003 08:00h, Sierra de Aroa, Yaracuy, Venezuela, 10.20N,68.50W) © Peter Boesman.

3197 7 Three-striped Warbler 7 Call 0:06 *Basileuterus tristriatus* (9/3/1997 09:30h, Yacambu NP, Lara, Venezuela, 09.43N,69.35W) © Peter Boesman.

3197 8 Three-striped Warbler 8 Calls 0:43 *Basileuterus tristriatus* (1st January 2010 14h00. P.N. Tatamá, Montezuma trail, near Pueblo Rico, Risaralda, Colombia, 1600m, 5°14'3"N 76° 5'21"W). (Background: Gray-breasted Wood Wren). © Peter Boesman.

3198 1 Santa Marta Warbler 1 Song 0:13 *Basileuterus basilicus*. RNA El Dorado, Sierra de Santa Marta, Magdalena, Colombia, 2550m, 06:16h, 09-02-2007, N11.6°28' W74.2°55', song, Probably a duet. also: Brown-rumped Tapaculo, © Nick Athanas.

3199 1 Flavescent Warbler 1 Song 1:41 *Basileuterus flaveolus* (17/11/2005, Carajás, Salobo area, Pará, Brazil, 05.55S,50.30W) © Peter Boesman.

3199 2 Flavescent Warbler 2 Song 0:34 *Basileuterus flaveolus* (14/5/1995 10:00h, Guataparo area, Carabobo, Venezuela, 10.13N,68.05W) © Peter Boesman.

3199 3 Flavescent Warbler 3 Song 0:06 *Basileuterus flaveolus* (4/2/2004 08:30h, Boa Nova dry area, Bahia, Brazil, 14.30S,40.15W) © Peter Boesman.

3199 4 Flavescent Warbler 4 Call and song 0:46 *Basileuterus flaveolus* (17/11/2005 09:00h, Carajás, Salobo area, Pará, Brazil, 05.55S,50.30W) © Peter Boesman.

3199 5 Flavescent Warbler 5 Call and song 1:32 *Basileuterus flaveolus* (30/7/2005 06:45h, Pantanal, Pixaim area, Mato Grosso, Brazil, 16.40S,56.50W) © Peter Boesman.

3202 1 Buff-rumped Warbler 1 Song 0:33 *Phaeothlypis fulvicauda fulvicauda*. Mitu, Vaupes, Colombia, 190m, 07:30h, 14-06-2011, N1.14°45' W70.13°44", song, natural vocalization © Andrew Spencer.

3202 2 Buff-rumped Warbler 2 Song 0:19 *Phaeothlypis fulvicauda*. (28th December 2009 7h00. La Victoria, Cundinamarca, Colombia, 5°19'55 N 74°55'12"W). © Peter Boesman.

3202 3 Buff-rumped Warbler 3 Song 0:18 *Phaeothlypis fulvicauda* (3rd February 2011 6h15. RNA El Paujil, Santander, Colombia, 310m, 6.25°9' N, 74.15°41' W). (background: Black-billed Flycatcher). © Peter Boesman.

3202 4 Buff-rumped Warbler 4 Call 0:07 *Phaeothlypis fulvicauda*. (14th March 2010 06h30, La Selva biological station, Heredia, Costa Rica). (Background: Black-throated Trogon). © Peter Boesman.

3204 1 Russet-backed Oropendola 1 Song 0:41 *Psarocolius angustifrons* (22/7/2003 17:00h, Palmichal area, Carabobo, Venezuela, 10.21N,68.12W) © Peter Boesman

3204 2 Russet-backed Oropendola 2 Call 0:13 *Psarocolius angustifrons* (8/3/1997 08:00h, Yacambu NP, Lara, Venezuela, 09.43N,69.35W) © Peter Boesman.

3204 3 Russet-backed Oropendola 3 Call 0:52 *Psarocolius angustifrons* (22/7/2003 06:30h, Casa Maria, Carabobo, Venezuela, 10.19N,68.15W) © Peter Boesman.

3204 4 Russet-backed Oropendola 4 Call 0:23 *Psarocolius angustifrons* (6th February 2011 9h30. Jardin, Antioquia, Colombia 6° 58' 03" N, 75° 31' 38" W). © Peter Boesman.

3204 5 Russet-backed Oropendola 5 Call 0:38 *Psarocolius angustifrons* (31st January 2011 10h30. RNA Reinita Cielo Azul, San Vicente de Chucurí, Santander, Colombia, 1900m, N.50°47' N, 73.22°30' W). © Peter Boesman.

3206 1 Green Oropendola 1 Song 0:26 *Psarocolius viridis* (5/8/2003, La Sirena, El Palmar, Bolivar, Venezuela, 08.10N,61.55W) © Peter Boesman

3206 2 Green Oropendola 2 Song 0:04 *Psarocolius viridis* (25/3/1997 06:15h, Lower Rio Caura area, Bolivar, Venezuela, 07.15N,65.00W) © Peter Boesman.

3206 3 Green Oropendola 3 Call 0:08 *Psarocolius viridis* (23/7/2002 09:30h, Rio Grande area, Bolivar, Venezuela, 08.03N,61.40W) © Peter Boesman

3206 4 Green Oropendola 4 Call and song 0:15 *Psarocolius viridis* (23/7/2002 09:30h, Rio Grande area, Bolivar, Venezuela, 08.03N,61.40W) © Peter Boesman.

3207 1 Chestnut-headed Oropendola 1 song 0:27 *Psarocolius wagleri* (18/5/1997, El Valle, Coclé, Panama,) © Dodge Engleman

3207 2 Chestnut-headed Oropendola 2 song 0:17 *Psarocolius wagleri*. (16th March 2010 15h20, entrance road to Tapantí NP, 1250m elev., Cartago, Costa Rica). © Peter Boesman.

3207 3 Chestnut-headed Oropendola 3 calls 0:44 *Psarocolius wagleri*. (16th March 2010 15h15, entrance road to Tapantí NP, 1250m elev., Cartago, Costa Rica). © Peter Boesman.

3207 4 Chestnut-headed Oropendola 4 Call 0:33 *Psarocolius wagleri* (2nd January 2010 8h30. P.N. Tatamá, Montezuma trail, near Pueblo Rico, Risaralda, Colombia, 1600m, 5°14'3"N 76° 5'21"W). © Peter Boesman.

3207 5 Chestnut-headed Oropendola 5 Call 0:35 *Psarocolius wagleri* rdigwayi. Rio Nuqui near Nuqui, Choco, Colombia, 15m, 15:00h, 21-07-2008, N5.40°41' W77.13°56", Calls from a single bird that was part of a flock including Baudo Oropendola, Choco Toucan, © Andrew Spencer.

3208 1 Crested Oropendola 1 Song 0:09 *Psarocolius decumanus* (19/11/1997 06:00h, Casa Maria, Carabobo, Venezuela, 10.19N,68.15W) © Peter Boesman

3208 2 Crested Oropendola 2 Song and call 0:15 *Psarocolius decumanus* (27/7/2005 08:00h, Alta Floresta area, Mato Grosso, Brazil, 09.54S,55.54W) © Peter Boesman

3208 3 Crested Oropendola 3 Song and call 0:24 *Psarocolius decumanus* (3/6/1995 08:30h, Casa Maria, Carabobo, Venezuela, 10.19N,68.15W) © Peter Boesman

3210 1 Baudo Oropendola 1 Song 0:08 *Psarocolius cassini*. Rio Nuqui near Nuqui, Choco, Colombia, 15m, 15:40h, 21-07-2008, Unfortunately the only recording of the song I could get, heavy stream noise in the background. © Andrew Spencer.

3210 2 Baudo Oropendola 2 Call 1:00 *Psarocolius cassini*. Rio Nuqui near Nuqui, Choco, Colombia, 15m, 16:15h, 21-07-2008, Calls from a single bird in a flock of about 25 moving around with 5 Chestnut-headed Oropendolas, Choco Toucan, Purple-throated Fruitcrow. © Andrew Spencer.

3211 1 Olive Oropendola 1 Song 0:23 *Gymnostinops bifasciatus* (16/4/1992, Lower Rio Caura area, Bolivar, Venezuela, 07.15N,65.00W) © Peter Boesman

3211 2 Olive Oropendola 2 Call 0:22 *Gymnostinops bifasciatus* (22/1/2005 08:30h, Carajás, Airport area, Pará, Brazil, 06.00S,50.10W) © Peter Boesman

3211 3 Olive Oropendola 3 Call 0:32 *Gymnostinops bifasciatus* (1/11/1993, Junglaven area, Amazonas, Venezuela, 05.00N,66.23W) © Peter Boesman.

3212 1 Casqued Oropendola 1 Song 0:31 *Clypterus oseryi* (Yasuni- Research Station, Parque Nacional Yasuni-, Orellana, Ecuador, 250m, 16:40h, 23-08-2010, S0.40°27' W76.23°52"). © Andrew Spencer.

3212 2 Casqued Oropendola 2 Call 0:23 *Clypterus oseryi*. (Yasuni- Research Station, Parque Nacional Yasuni-, Orellana, Ecuador, 250m, 16:40h, 23-08-2010, S0.40°27' W76.23°52"), Two call types in this cut. © Andrew Spencer.

3212 3 Casqued Oropendola 3 Call 0:21 *Psarocolius oseryi* (18/2/2006 07:30h, Gareno Lodge, Napo, Ecuador, 01.05S,77.35W) © Peter Boesman

3213 1 Band-tailed Oropendola 1 Song 0:36 *Ocyalus latirostris*. Istandia, across Amazon River from Otorongo Lodge, Loreto, Peru, 85m, 9:44h, 07-08-2011, One of several moving with flock mixed with Russet-backed Oropendolas in Ceropia-dominated river island forest. © David Geale.

3213 2 Band-tailed Oropendola 2 Song 1:06 *Ocyalus latirostris*. Muyuna Lodge, Loreto, Peru, 120m, 13:25h, 08-06-2010, S4.18°9' W73.17°12", Two birds in river edge forest. © David Geale.

3214 1 Mountain Cacique 1 Song 0:16 *Cacicus leucoramphus* (13/2/2006 06:30h, Huacamayos ridge, Napo, Ecuador, 00.37S,77.52W) © Peter Boesman

3214 2 Mountain Cacique 2 Call 0:11 *Cacicus leucoramphus* (13/2/2006 06:30h, Huacamayos ridge, Napo, Ecuador, 00.37S,77.52W) © Peter Boesman

3217 1 Solitary Black Cacique 1 Song 0:52 *Cacicus solitarius* (28/7/2005 16:30h, Pantanal, Porto Jofre area, Mato Grosso, Brazil, 17.25S,56.45W) © Peter Boesman

3217 2 Solitary Black Cacique 2 Song 0:39 *Cacicus solitarius* (30/7/2005, Pantanal, Pixaim area, Mato Grosso, Brazil,) © Peter Boesman

3218 1 Yellow-rumped Cacique 1 Song 0:29 *Cacicus cela* (31/12/1996 06:00h, Rio Sarare/Rio Burguita, Apure, Venezuela, 07.14N,71.25W) © Peter Boesman.

3218 2 Yellow-rumped Cacique 2 Song 0:30 *Cacicus cela* (18/2/2006 12:00h, Gareno Lodge, Napo, Ecuador, 01.05S,77.35W) © Peter Boesman

3218 3 Yellow-rumped Cacique 3 Song 0:22 *Cacicus cela* (23/7/2009 15:00h, Amazon Manu Lodge, Madre de Dios, Peru, 12.18S,70.48W) © Peter Boesman

3218 4 Yellow-rumped Cacique 4 Call 0:21 *Cacicus cela* (27/7/2009 07:00h, Pantiacolla Lodge, Madre de Dios, Peru, 12.39S,71.14W) © Peter Boesman

3218 5 Yellow-rumped Cacique 5 Calls 0:42 *Cacicus cela* (15/1/2005, Carajás, Salobo area, Pará, Brazil, 05.55S,50.30W) © Peter Boesman

3218 6 Yellow-rumped Cacique 6 Calls 0:28 *Cacicus cela* (19/7/2005 15:00h, Chapada dos Guimaraes, Mato Grosso, Brazil, 15.20S,55.50W) © Peter Boesman.

3218 7 Yellow-rumped Cacique 7 Call 0:14 *Cacicus cela* (19/7/2006 11:00h, Sao Gabriel da Cachoeira area, Amazonas, Brazil, 00.01S,66.30W) © Peter Boesman.

3219 1 Red-rumped Cacique 1 Song 0:09 *Cacicus haemorrhous* (15/1/2005 10:45h, Carajás, Salobo area, Pará, Brazil, 05.55S,50.30W) © Peter Boesman

3219 2 Red-rumped Cacique 2 Call 0:23 *Cacicus haemorrhous* (23/7/2004 09:45h, Ubatuba - Folha Seca road, Sao Paulo, Brazil, 23.28S,45.06W) © Peter Boesman

3219 3 Red-rumped Cacique 3 Call 0:26 *Cacicus haemorrhous* (25/7/2002 09:00h, km 88 area, Bolivar, Venezuela, 06.12N,61.24W) © Peter Boesman

3219 4 Red-rumped Cacique 4 Call 0:42 *Cacicus haemorrhous* (29/7/2004, Itatiaia National Park, Rio de Janeiro, Brazil, 22.25S,44.35W) © Peter Boesman

3220 1 Scarlet-rumped Cacique 1 Song 0:12 *Cacicus uropygialis* (12/2/2006 17:00h, San Isidro lodge, Napo, Ecuador, 00.40S,77.55W) © Peter Boesman

3220 2 Scarlet-rumped Cacique 2 Song 1:29 *Cacicus uropygialis* (19/2/2006 16:00h, San Isidro lodge, Napo, Ecuador, 00.40S,77.55W) © Peter Boesman

3220 3 Scarlet-rumped Cacique 3 Song 0:16 *Cacicus uropygialis* (19/2/2006 17:00h, San Isidro lodge, Napo, Ecuador, 00.40S,77.55W) © Peter Boesman

3220 4 Scarlet-rumped Cacique 4 Call 0:24 *Cacicus uropygialis* (28/2/1995 07:30h, San Isidro area, Barinas, Venezuela, 08.52N,70.36W) © Peter Boesman

3222 1 Yellow-billed Cacique 1 Song 0:16 *Amblycercus holosericeus* (12/4/2003 12:00h, Chinkultic, Chiapas, Mexico, 16.06N,91.54W) © Peter Boesman

3222 2 Yellow-billed Cacique 2 Song 0:05 *Amblycercus holosericeus* (30/6/1996 17:30h, Colonia Tovar area, Aragua, Venezuela, 10.24N,67.20W) © Peter Boesman.

3222 3 Yellow-billed Cacique 3 Song 0:03 *Amblycercus holosericeus* (3/8/2008 06:45h, Villa Rica-Oxapampa road, Pasco, Peru, 10.35S,75.20W) © Peter Boesman

3222 4 Yellow-billed Cacique 4 Call 0:31 *Amblycercus holosericeus* (25/12/1993, Podocarpus Cajanuma, Loja, Ecuador, 04.20S,79.10W) © Peter Boesman

3222 5 Yellow-billed Cacique 5 Call 0:08 *Amblycercus holosericeus* (18/3/2001 07:30h, Uxpanapa road, Vera Cruz, Mexico, 17.08N,94.55W) © Peter Boesman.

3223 1 Venezuelan Troupial 1 Song 0:38 *Icterus icterus*, only northern birds (3/8/2006 17:35h, Bruzual area, Apure, Venezuela, 08.03N,69.20W) © Nick Athanas.

3223 2 Venezuelan Troupial 2 Song 0:14 *Icterus icterus*, only northern birds (1/5/1995 07:30h, Serrania de San Luis, Falcon, Venezuela, 11.12N,69.42W) © Peter Boesman.

3223 3 Venezuelan Troupial 3 Song 0:09 *Icterus icterus*, only northern birds (5/7/1997 06:00h, Posada Puente de Piedra, Falcon, Venezuela, 11.30N,69.17W) © Peter Boesman.

3223 4 Venezuelan Troupial 4 Song 0:14 *Icterus icterus*. Humedal de Cordoba, Bogota, Cundinamarca, Colombia, 2600m, 10:15h, 10-08-2007, Song © Bernabe Lopez-Lanus.

3224 1 Orange-backed Troupial 1 Song 0:37 *Icterus croconotus* (31/7/2005 06:15h, Pantanal, Pixaim area, Mato Grosso, Brazil, 16.40S,56.50W) © Peter Boesman

3224 2 Orange-backed Troupial 2 Song 0:49 *Icterus croconotus* (31/7/2005 06:15h, Pantanal, Pixaim area, Mato Grosso, Brazil, 16.40S,56.50W) © Peter Boesman

3224 3 Orange-backed Troupial 3 Song 0:51 *Icterus croconotus* (29th July 2010 7h30, Padre Island near Cumaceba lodge, Loreto, Peru, 3°38' S, 73°08' W). © Peter Boesman.

3227 1 Yellow-tailed Oriole 1 Song 0:10 *Icterus mesomelas* (22/12/1993, Macara - Sozoranga, Loja, Ecuador, 04.25S,79.47W) © Peter Boesman.

3227 2 Yellow-tailed Oriole 2 Song 0:29 *Icterus mesomelas taczanowskii*. Sozoranga, Loja, Ecuador, 1600m, 14:00h, 29-09-2001, Song from a pair © Nick Athanas.

3228 1 Epaulet Oriole 1 Song 1:58 *Icterus cayanensis*. (16-02-1998 14:57h, Chalalan; Madidi NP, La Paz, Bolivia, 350m, S14.2558° W67.5258°). Song was singing almost on top of a palm tree in a clearing. © A. Bennett Hennessey.

3228 2 Epaulet Oriole 2 Song 0:13 *Icterus cayanensis* (25/7/2009 08:30h, Cocha Camungo, Madre de Dios, Peru, 12.25S,70.40W) © Peter Boesman

3228 3 Epaulet Oriole 3 Call 1:06 *Icterus cayanensis* (11/11/2005, Carajás, Aguas Claras area, Pará, Brazil, 06.00S,50.30W) © Peter Boesman

3228 4 Epaulet Oriole 4 Call 0:20 *Icterus cayanensis chrysocephalus* (14/2/1994, Rio Grande area, Bolivar, Venezuela, 08.03N,61.40W) © Peter Boesman.

3230 1 Orchard Oriole 1 Call 0:28 *Icterus spurius*. (21/12/2004, Rio Blanco, Nicaragua), 200m, © Doug Knapp

3231 1 Orange-crowned Oriole 1 Call 0:10 *Icterus auricapillus* (4/6/1995 10:00h, Palmichal area, Carabobo, Venezuela, 10.21N,68.12W) © Peter Boesman

3231 2 Orange-crowned Oriole 2 Call 1:00 *Icterus auricapillus*. RNA EI Paujil, Santander, Colombia, 200m, 14:39h, 29-11-2007, N6.259° W74.1541°, calls, Single bird foraging in a Cecropia.. also: Gray-fronted Dove, Rusty-margined Flycatcher © Nick Athanas.

3232 1 Yellow-backed Oriole 1 Song 0:42 *Icterus chrysater* (3/8/2000 07:00h, Obra la Toma, Tachira, Venezuela, 07.56N,71.43W) © Peter Boesman.

3232 2 Yellow-backed Oriole 2 Song 0:18 *Icterus chrysater* (26/2/1995 08:00h, La Azulita road, Merida, Venezuela, 08.40N,71.24W) © Peter Boesman.

3232 3 Yellow-backed Oriole 3 Song 0:14 *Icterus chrysater* (15/12/1996 07:00h, Tucupido Dam, Portuguesa, Venezuela, 09.00N,69.55W) © Peter Boesman.

3232 4 Yellow-backed Oriole 4 Song 0:26 *Icterus chrysater*. Above Jardín, Antioquia, Colombia, 2080m, 09:36h, 17-02-2007, N5.3710° W75.5077°, song. also: Roadside Hawk © Nick Athanas.

3232 5 Yellow-backed Oriole 5 Song 0:21 *Icterus chrysater*. Alrededores de Toche, Cajamarca, Tolima, Colombia, 2000m, 09:59h, 20-07-1998, Song © Bernabe Lopez-Lanus.

3233 1 Northern Oriole 1 Song 0:26 *Icterus galbula* (10/4/1998 07:00h, Sequoyah NWR, OK, , USA,) © Peter Boesman

3233 2 Northern Oriole 2 Call 0:20 *Icterus galbula* (17/3/2001 07:00h, Puerto Arista, Chiapas, Mexico, 16.03N,93.45W) © Peter Boesman

3234 1 Yellow Oriole 1 Song 0:09 *Icterus nigrogularis* (5/7/1997, Posada Puente de Piedra, Falcon, Venezuela, 11.30N,69.17W) © Peter Boesman

3234 2 Yellow Oriole 2 Song 0:22 *Icterus nigrogularis* (6/7/1997 16:00h, Foothills of Serrania de San Luis, Falcon, Venezuela, 11.19N,69.36W) © Peter Boesman.

3234 3 Yellow Oriole 3 Call 0:18 *Icterus nigrogularis* (22/7/2000 11:00h, Guadeloupe area, Lara, Venezuela, 10.02N,69.40W) © Peter Boesman.

3234 4 Yellow Oriole 4 Call 0:06 *Icterus nigrogularis* (17/11/1996 16:00h, Tacarigua dam, Falcon, Venezuela, 11.00N,68.24W) © Peter Boesman.

3234 5 Yellow Oriole 5 Call 0:16 *Icterus nigrogularis*. Rio Rancheria (desembocadura), Richacha, La Guajira, Colombia, 2m, 16:00h, 31-10-2000, Call © Bernabe Lopez-Lanus.

3235 1 Scrub Blackbird 1 Song 0:46 *Dives warszewiczi* (26/7/2008 06:30h, Huaylas, Ancash, Peru, 08.50S,77.55W) © Peter Boesman.

3235 2 Scrub Blackbird 2 Call 0:10 *Dives warszewiczi* (11/12/2008 14:00h, Bosque Pomac, Lambayeque, Peru, 06.35S,79.30W) © Peter Boesman.

3236 1 Mountain Grackle 1 Song 0:26 *Macroagelaius subalaris*. RNA Reinita Cielo Azul, San Vicente de Chucurí, Santander, Colombia, 1900m, 13:35h, 03-12-2007, N6.5047° W73.2230°, Single bird singing from the top of a tree. © Nick Athanas.

3236 2 Mountain Grackle 2 Song 1:03 *Macroagelaius subalaris* (7th January 2010 9h10. Onzaga road near Soata, Boyaca, Colombia, 6°20'11"N 72°44'11"W). (Background: Brown-capped Vireo). © Peter Boesman.

3236 3 Mountain Grackle 3 Song 0:07 *Macroagelaius subalaris* (7th January 2010 9h20. Onzaga road near Soata, Boyaca, Colombia, 6°20'11"N 72°44'11"W). © Peter Boesman.

3236 4 Mountain Grackle 4 Call 0:11 *Macroagelaius subalaris* (7th January 2010 9h20. Onzaga road near Soata, Boyaca, Colombia, 6°20'11"N 72°44'11"W). © Peter Boesman.

3236 5 Mountain Grackle 5 High call 0:35 *Macroagelaius subalaris* (7th January 2010 9h15. Onzaga road near Soata, Boyaca, Colombia, 6°20'11"N 72°44'11"W). © Peter Boesman.

3238 1 Oriole Blackbird 1 Song 0:16 *Gymnomystax mexicanus* (30/12/1996 16:00h, Rio Sarare/Rio Burguita, Apure, Venezuela, 07.14N,71.25W) © Peter Boesman

3238 2 Oriole Blackbird 2 Song 0:19 *Gymnomystax mexicanus* (10/8/2002, Canoabo area, Carabobo, Venezuela, 10.20N,68.18W) © Peter Boesman

3238 3 Oriole Blackbird 3 Call 0:08 *Gymnomystax mexicanus* (31/11/1996, El Cerrito area, Falcon, Venezuela, 11.07N,68.27W) © Peter Boesman

3238 4 Oriole Blackbird 4 Call 0:12 *Gymnomystax mexicanus* (10/8/2002 06:00h, Canoabo area, Carabobo, Venezuela, 10.20N,68.18W) © Peter Boesman

3239 1 Red-bellied Grackle 1 Song 0:44 *Hypopyrrhus pyrohypogaster*. RNA Arrierito Antioqueño, Anorí, Antioquia, Colombia, 1650m, 06:10h, 18-06-2011, N6.59°10' W75.7°30', Song from one of a pair © Andrew Spencer.

3239 2 Red-bellied Grackle 2 Song and call 0:34 *Hypopyrrhus pyrohypogaster* (5th February 2011 8h00. La Romera near Medellín, Antioquia, Colombia). © Peter Boesman.

3239 3 Red-bellied Grackle 3 Song and call 0:18 *Hypopyrrhus pyrohypogaster* (5th February 2011 8h00. La Romera near Medellín, Antioquia, Colombia). © Peter Boesman.

3239 4 Red-bellied Grackle 4 Call 0:06 *Hypopyrrhus pyrohypogaster*. RNA Arrierito Antioqueño, Anorí, Antioquia, Colombia, 1650m, 06:10h, 18-06-2011, N6.59°10' W75.7°30', Call in flight from one of a pair © Andrew Spencer.

3239 5 Red-bellied Grackle 5 Call 0:30 *Hypopyrrhus pyrohypogaster*. RNA Arrierito Antioqueño, Anorí, Antioquia, Colombia, 1680m, 09:04h, 13-02-2007, Calls from one indiv. in a flock of about six birds foraging in small trees and tree ferns. © Nick Athanas.

3240 1 Velvet-fronted Grackle 1 Song 0:21 *Lamprospars tanagrinus* (5/3/1994, Caño Colorado, Monagas, Venezuela, 09.55N,62.55W) © Peter Boesman

3240 2 Velvet-fronted Grackle 2 Song 0:12 *Lamprospars tanagrinus* (31/3/1994, Caño Colorado, Monagas, Venezuela, 09.55N,62.55W) © Peter Boesman.

3240 3 Velvet-fronted Grackle 3 Song 0:54 *Lamprospars tanagrinus* (March 2009, Caño Colorado, Monagas, Venezuela, 09.55N,62.55W) © Hans Matheve.

3240 4 Velvet-fronted Grackle 4 Call 1:00 *Lamprospars tanagrinus* (5/3/1994, Caño Colorado, Monagas, Venezuela, 09.55N,62.55W) © Peter Boesman

3249 1 Yellow-hooded Blackbird 1 Song 0:24 *Agelaius icterocephalus* (24/7/2002 07:00h, Villa Lola area, Bolivar, Venezuela, 07.55N,62.00W) © Peter Boesman

3249 2 Yellow-hooded Blackbird 2 Song 0:28 *Agelaius icterocephalus* (9th August 2010 17h30, Peruvian side of Rio Javari, Reserva Natural Palmari, Amazonas, Brazil, 50m, 4°17'20" S, 70°17'41" W). © Peter Boesman.

3249 3 Yellow-hooded Blackbird 3 Song 0:41 *Agelaius icterocephalus* (10/11/1996 07:00h, San Pablo marsh, Carabobo, Venezuela, 10.31N,68.22W) © Peter Boesman.

3249 4 Yellow-hooded Blackbird 4 Song 0:21 Chrysomus icterocephalus bogotensis. Humedal Laguna del Neuta, Soacha, Cundinamarca, Colombia, 2600m, amh, 25-05-2003, Songs, 10+ birds © Bernabe Lopez-Lanus.

3249 5 Yellow-hooded Blackbird 5 Song 0:08 Chrysomus icterocephalus bogotensis. Parque La Florida, Bogota, Colombia, 2600m, 10:20h, 14-07-2008, N4.43'47" W74.8'8", song, heavy urban noise filtered out. also: Rufous-collared Sparrow © Andrew Spencer.

3249 6 Yellow-hooded Blackbird 6 Call 0:12 Agelaius icterocephalus (4/8/2002 08:00h, Laguna Unare, Anzoategui, Venezuela, 10.07N,65.20W) © Peter Boesman.

3249 7 Yellow-hooded Blackbird 7 Call 0:08 Chrysomus icterocephalus bogotensis. Humedal Laguna del Neuta, Soacha, Cundinamarca, Colombia, 2600m, amh, 24-05-2003, Call © Bernabe Lopez-Lanus.

3256 1 Giant Cowbird 1 Song 0:13 Scaphidura oryzivora (Yuturi Lodge, Sucumbios, Ecuador, 00.34S,76.01W) © John Moore

3257 1 Bronzed Cowbird 1 Song 0:09 Molothrus aeneus armenii. Cano Clarin Viejo (frente a Barranquilla desde Palermo, sobre el rio Magdalena), Parque Nacional Isla de Salamanca, Magdalena , Colombia, 3m, pmh, 15-05-2001, N10.58'26" W74.44'52", Song © Bernabe Lopez-Lanus.

3257 2 Bronzed Cowbird 2 Song 0:08 Molothrus aeneus (6/4/2002 10:00h, Cerro de San Juan, Nayarit, Mexico, 21.25N,104.55W) © Peter Boesman

3257 3 Bronzed Cowbird 3 call 0:23 Molothrus aeneus (15/4/2003 09:45h, Canyon del Sumidero, Chiapas, Mexico, 17.00N,93.05W) © Peter Boesman

3258 1 Shiny Cowbird 1 Song 0:23 Molothrus bonariensis (30/7/2005 15:00h, Pantanal, Pixaim area, Mato Grosso, Brazil, 16.40S,56.50W) © Peter Boesman

3258 2 Shiny Cowbird 2 Song 0:07 Molothrus bonariensis (20/7/2000 18:05h, Hato El Cedral area, Apure, Venezuela, 07.30N,69.17W) © Chris Sharpe

3258 3 Shiny Cowbird 3 Song () 0:19 Molothrus bonariensis (17/11/1996 16:00h, Tacarigua dam, Falcon, Venezuela, 11.00N,68.24W) © Peter Boesman.

3258 4 Shiny Cowbird 4 Call 0:19 Molothrus bonariensis. El 18, Valle del Cauca, Colombia, 13:50h, 17-07-2008, rattle call from a female bird © Andrew Spencer.

3259 1 Carib Grackle 1 Calls 0:24 Quiscalus lugubris (28/7/2003, Finca Vuelta Larga, Sucre, Venezuela, 10.30N,63.00W) © Peter Boesman

3259 2 Carib Grackle 2 Calls 0:23 Quiscalus lugubris (29/7/2003 07:30h, Finca Vuelta Larga, Sucre, Venezuela, 10.30N,63.00W) © Peter Boesman.

3260 1 Great-tailed Grackle 1 Call 0:32 Quiscalus mexicanus (8/6/2000 08:00h, Hotel Tailinul grounds, San Luis Potosi, Mexico, 21.54N,98.50W) © Peter Boesman

3260 2 Great-tailed Grackle 2 Call 0:15 Quiscalus mexicanus (7/6/2000 12:00h, Presa Morelos, Tamaulipas, Mexico, 22.30N,99.00W) © Peter Boesman.

3261 1 Red-breasted Blackbird 1 Song 1:06 Sturnella militaris. (22nd March 2010 06h15, Esquinas lodge, 100m elev., Piedras Blancas NP, Puntarenas, Costa Rica) (Background: White-throated Crane, Striped Cuckoo, House Wren). © Peter Boesman.

3261 2 Red-breasted Blackbird 2 Call and song 2:06 Sturnella militaris. Mitu, Vaupes, Colombia, 190m, 17:00h, 11-06-2011, N1.14'45" W70.13'44", song and call, natural vocalization; the last song in the cut given in a flight display. © Andrew Spencer.

3263 1 Peruvian Meadowlark 1 Song 0:41 Sturnella bellicosa (8/1/2008 10:00h, El Limon 2, Cajamarca, Peru, 06.50S,78.05W) © Peter Boesman.

3263 2 Peruvian Meadowlark 2 Song 0:24 Sturnella bellicosa (23/7/2008 09:00h, Lomas de Lachay, Lima, Peru, 11.20S,77.30W) © Peter Boesman.

3266 1 Eastern Meadowlark 1 Song 0:48 Sturnella magna (30/12/1996 16:00h, Rio Sarare/Rio Burguita, Apure, Venezuela, 07.14N,71.25W) © Peter Boesman.

3266 2 Eastern Meadowlark 2 Song 0:59 Sturnella magna meridionalis. Laguna de Pedro Palo, Cundinamarca , Colombia, 1900m, 08:00h, 05-06-2011, N4.41'0" W74.23'0", song, natural vocalization © Andrew Spencer.

3266 3 Eastern Meadowlark 3 Song 0:13 Sturnella magna (23/12/1996 07:00h, Betania area, Tachira, Venezuela, 07.29N.72.24W) © Peter Boesman.

3266 4 Eastern Meadowlark 4 Song 0:45 Sturnella magna (9th January 2010 9h30. Parque Nacional Chingazo, Cundinamarca, Colombia 4°47'2."N 73°46'32"W). © Peter Boesman.

3266 5 Eastern Meadowlark 5 Call 0:25 Sturnella magna (2/4/2002 07:00h, San Blas area, Nayarit, Mexico, 21.30N,105.18W) © Peter Boesman.

3267 1 Bobolink 1 Song 0:58 Dolichonyx oryzivorus. Cattail Pond, Larimer Co., Colorado, USA, 07:10h, 03-06-2007, Song in flight. also: Red-winged Blackbird, Savannah Sparrow © Andrew Spencer.

3267 2 Bobolink 2 Song 0:23 Dolichonyx oryzivorus. Alrededores de San Javier, Santa Fe, Argentina, ??-03-yyyy, Song © Bernabe Lopez-Lanus.

3270 1 Andean Siskin 1 Song 0:22 Carduelis spinescens (3/1/1994 09:15h, Santa Marta Lorenzo road, Magdalena, Colombia, 11.00N,73.40W) © Peter Boesman

3270 2 Andean Siskin 2 Song 0:25 Carduelis spinescens (2/8/2006 18:25h, Santo Domingo area, Mérida, Venezuela, 08.52N,70.42W) © Nick Athanas.

3274 1 Hooded Siskin 1 Song 0:20 Carduelis magellanica (9/1/2008 10:30h, Cruz Conga area, Cajamarca, Peru, 07.05S,78.20W) © Peter Boesman

3274 2 Hooded Siskin 2 Song 1:34 Carduelis magellanica (10/1/2008 09:00h, San Marcos area, Cajamarca, Peru, 07.20S,78.10W) © Peter Boesman

3274 3 Hooded Siskin 3 Song 0:35 Carduelis magellanica (4/8/2005, Aparados da Serra, Rio Grande do Sul, Brazil,) © Peter Boesman

3274 4 Hooded Siskin 4 Call 0:15 Carduelis magellanica (5/8/2009 09:00h, Chivay area, Arequipa, Peru, 15.40S,71.30W) © Peter Boesman

3277 1 Yellow-bellied Siskin 1 Song 0:16 Carduelis xanthogastra (27/12/1996 06:00h, Matamula area, Tachira, Venezuela, 07.42N,72.26W) © Peter Boesman

3277 2 Yellow-bellied Siskin 2 Song 0:07 Carduelis xanthogastra (30th January 2011 15h00. RNA Reinita Cielo Azul, San Vicente de Chucurí, Santander, Colombia, 1900m, N.50'47" N, 73.22'30" W), © Peter Boesman.

3277 3 Yellow-bellied Siskin 3 Call 0:16 Carduelis xanthogastra (22/12/1996 08:00h, Matamula area, Tachira, Venezuela, 07.42N,72.26W) © Peter Boesman

3281 1 Lesser Goldfinch 1 Song 0:34 Carduelis psaltria (22/7/2000 09:00h, Quibor - Sanare road, Lara, Venezuela, 09.48N,69.36W) © Peter Boesman

3281 2 Lesser Goldfinch 2 Song 0:47 Carduelis psaltria (16/2/2007 07:45h, Madera Canyon area, AZ, USA) © Peter Boesman

3281 3 Lesser Goldfinch 3 Song 0:27 Carduelis psaltria. Villa de Leyva, Boyaca, Colombia, 2150m, 09:00h, 20-05-2000, Song © Bernabe Lopez-Lanus.

3281 4 Lesser Goldfinch 4 Call 0:26 Carduelis psaltria (24/11/1996 07:00h, Casa Maria, Carabobo, Venezuela, 10.19N,68.15W) © Peter Boesman.

3281 5 Lesser Goldfinch 5 Call 0:18 Carduelis psaltria columbiana. RNA Horniguero de Torcoroma, Ocaña, Norte de Santander, Colombia, 1600m, 08:40h, 03-08-2008, N8.12'11" W73.22'47", call © Andrew Spencer.

3282 1 Plumbeous Euphonia 1 Song and call 0:38 Euphonia plumbea (1/11/1993 , Junglaven area, Amazonas, Venezuela, 05.00N,66.23W) © Peter Boesman

3282 2 Plumbeous Euphonia 2 Song 1:38 Euphonia plumbea. (Mitu, Vaupes, Colombia, 190m, 06:50h, 12-06-2011, N1.14'45" W70.13'44"). Song from a male bird in response to playback. © Andrew Spencer.

3282 3 Plumbeous Euphonia 3 Call 0:37 Euphonia plumbea. (Mitu, Vaupes, Colombia, 190m, 06:50h, 12-06-2011, N1.14'45" W70.13'44"). Calls from a male bird. © Andrew Spencer.

3283 1 Purple-throated Euphonia 1 Song 0:25 Euphonia chlorotica (1/11/1993 , Junglaven area, Amazonas, Venezuela, 05.00N,66.23W) © Peter Boesman

3283 2 Purple-throated Euphonia 2 Call 0:53 Euphonia chlorotica (27/12/2007 07:45h, Chirinos road, Piura, Peru, 05.20S,78.55W) © Peter Boesman

3283 3 Purple-throated Euphonia 3 Call 0:56 Euphonia chlorotica (8/1/2008 07:50h, Balsas area, Amazonas, Peru, 06.50S,78.00W) © Peter Boesman

3283 4 Purple-throated Euphonia 4 Call 0:12 Euphonia chlorotica (24/7/2005 06:15h, Rio Cristalino Jungle Lodge, Mato Grosso, Brazil, 09.27S,55.54W) © Peter Boesman.

3283 5 Purple-throated Euphonia 5 Call 0:27 Euphonia chlorotica (31/7/2005 07:45h, Pantanal, Pixaim area, Mato Grosso, Brazil, 16.40S,56.50W) © Peter Boesman.

3283 6 Purple-throated Euphonia 6 Call and song 0:33 Euphonia chlorotica (11/1/2005 13:00h, Carajás, Aguas Claras area, Pará, Brazil, 06.00S,50.30W) © Peter Boesman.

3284 1 Trinidad Euphonia 1 Song 0:51 Euphonia trinitatis (February 2009, Puente Torres, Falcon, Venezuela) © Hans Matheve.

3284 2 Trinidad Euphonia 2 Call 0:37 Euphonia trinitatis (23/4/1995 09:30h, Guataparó area, Carabobo, Venezuela, 10.13N,68.05W) © Peter Boesman.

3284 3 Trinidad Euphonia 3 Call 0:40 Euphonia trinitatis (22/7/2000 09:00h, Quibor - Sanare road, Lara, Venezuela, 09.48N,69.36W) © Peter Boesman.

3284 4 Trinidad Euphonia 4 Call 0:08 Euphonia trinitatis (10/11/1996 09:00h, San Pablo marsh, Carabobo, Venezuela, 10.31N,68.22W) © Peter Boesman.

3284 5 Trinidad Euphonia 5 Call 0:19 Euphonia trinitatis (5/8/2003 08:00h, Dry forest W of El Palmer, Bolivar, Venezuela, 07.58N,62.13W) © Peter Boesman.

3285 1 Velvet-fronted Euphonia 1 Call 0:43 Euphonia concinna (4th January 2010 15h45. Mana Dulce, Tolima, Colombia, 4° 21' 04"N 74° 39' 06"W). (Background: Pheasant Cuckoo). © Peter Boesman.

3285 2 Velvet-fronted Euphonia 2 Call 0:21 Euphonia concinna. Belavista Reserve, Victoria, Caldas, Colombia, 950m, 10:45h, 29-06-2011, N5.25'51" W74.54'57". Calls from a male bird. © Andrew Spencer.

3286 1 Orange-crowned Euphonia 1 Call 0:26 Euphonia saturata. Rio Silanche, Pedro Vicente Maldonado, Pichincha, Ecuador, 450m, 11:40h, 01-02-2011, N0.8'35" W79.8'0", Calls from a male bird, seen while calling. © Andrew Spencer.

3289 1 Thick-billed Euphonia 1 Song 0:17 Euphonia laniirostris (26/7/2003 08:00h, Casa Maria, Carabobo, Venezuela, 10.19N,68.15W) © Peter Boesman

3289 2 Thick-billed Euphonia 2 Song 0:18 Euphonia laniirostris (12th February 2011 7h00. Clarita Botero near Ibagué, Tolima, Colombia). © Peter Boesman.

3289 3 Thick-billed Euphonia 3 Call 0:27 Euphonia laniirostris (26/12/1996 10:00h, Rio Negro/Rio Frio area, Tachira, Venezuela, 07.36N,72.12W) © Peter Boesman

3291 1 Golden-rumped Euphonia 1 Song 0:47 Euphonia cyanocephala (27/12/1997 12:00h, Dinira National Park, Lara, Venezuela, 09.42N,70.03W) © Peter Boesman

3291 2 Golden-rumped Euphonia 2 Call 0:10 Euphonia cyanocephala (27/12/1997 12:00h, Dinira National Park, Lara, Venezuela, 09.42N,70.03W) © Peter Boesman.

3292 1 Fulvous-vented Euphonia 1 Call 0:10 Euphonia fulvicrissa (16/4/1995 , Nusagandi NP, , Panama, 09.20N,78.50W) © Peter Boesman.

3292 2 Fulvous-vented Euphonia 2 Call () 0:31 Euphonia fulvicrissa (2nd February 2011 7h15. RNA El Paujil, Santander, Colombia, 310m, 6.259° N, 74.1541° W). (Background: Southern Bentbill). © Peter Boesman.

3293 1 Golden-bellied Euphonia 1 Song 0:34 Euphonia chrysopasta (28/3/1997 07:00h, Gavilan road, Amazonas, Venezuela, 05.36N,67.12W) © Peter Boesman

3293 2 Golden-bellied Euphonia 2 Song 0:25 Euphonia chrysopasta (22/7/2005 16:45h, Rio Cristalino area, Mato Grosso, Brazil, 09.35S,55.50W) © Peter Boesman

3293 3 Golden-bellied Euphonia 3 Song 0:16 Euphonia chrysopasta (22/7/2005, Rio Cristalino area, Mato Grosso, Brazil,) © Peter Boesman

3293 4 Golden-bellied Euphonia 4 Song variant 0:34 Euphonia chrysopasta (1/11/1993 Junglaven area, Amazonas, Venezuela, 05.00N,66.23W) © Peter Boesman

3293 5 Golden-bellied Euphonia 5 Call 0:25 Euphonia chrysopasta (23/12/1992 09:00h, La Selva lodge, Napo, Ecuador, 00.30S,76.30W) © Peter Boesman

3294 1 Bronze-green Euphonia 1 Song 0:34 Euphonia mesochrysa (4/12/2008 09:15h, Abra Patricia road, San Martín, Peru, 05.50S,77.46W) © Peter Boesman.

3294 2 Bronze-green Euphonia 2 Call 0:25 Euphonia mesochrysa (29/12/2007 15:45h, Abra Patricia road, San Martín, Peru, 05.50S,77.46W) © Peter Boesman.

3294 3 Bronze-green Euphonia 3 Call 1:02 Euphonia mesochrysa (4/8/2008 09:30h, Pozuzo area, Pasco, Peru, 10.10S,75.30W) © Peter Boesman.

3294 4 Bronze-green Euphonia 4 Call 0:12 Euphonia mesochrysa (29/12/2007 15:45h, Abra Patricia road, San Martín, Peru, 05.50S,77.46W) © Peter Boesman.

3295 1 White-vented Euphonia 1 Song 0:43 Euphonia minuta (1/1/2008 09:45h, Morro de Calzada, San Martín, Peru, 06.00S,77.05W) © Peter Boesman

3295 2 White-vented Euphonia 2 Song 1:03 Euphonia minuta (29th July 2010 15h30, Cumaceba lodge, Loreto, Peru, 3°38' S, 73°08' W). (Background: Thick-billed Euphonia). © Peter Boesman.

3296 1 Tawny-capped Euphonia 1 song () 0:14 Euphonia annea (2/5/1997 , Fortuna area, Chiriquí, Panama,) © Dodge Engleman

3296 2 Tawny-capped Euphonia 2 call 1:17 Euphonia annea (15th March 2010 09h20, Braulio Carrillo NP, Quebrada Gonzalez HQ, Las Palmas trail, 500m elev., Heredia, Costa Rica). (Background: Spotted Woodcreeper). © Peter Boesman.

3296 3 Tawny-capped Euphonia 3 call 0:02 Euphonia annea (2/5/1997 , Fortuna area, Chiriquí, Panama,) © Dodge Engleman

3296 4 Tawny-capped Euphonia 4 contact calls 0:43 Euphonia annea (15th March 2010 09h15, Braulio Carrillo NP, Quebrada Gonzalez HQ, Las Palmas trail, 500m elev., Heredia, Costa Rica). © Peter Boesman.

3297 1 Orange-bellied Euphonia 1 Song 0:25 Euphonia xanthogaster (31/12/2007 12:45h, Abra Patricia road, San Martín, Peru, 05.50S,77.46W) © Peter Boesman

3297 2 Orange-bellied Euphonia 2 Call 0:09 Euphonia xanthogaster (15/2/2006 16:30h, Ministerio road, Napo, Ecuador, 01.00S,77.30W) © Peter Boesman

3297 3 Orange-bellied Euphonia 3 Call 0:20 Euphonia xanthogaster (26/3/1995 07:30h, Rancho Grande area, Aragua, Venezuela, 10.21N,67.42W) © Peter Boesman.

3297 4 Orange-bellied Euphonia 4 Call 0:20 Euphonia xanthogaster (27/12/1996 06:00h, Matamula area, Tachira, Venezuela, 07.42N,72.26W) © Peter Boesman.

3297 5 Orange-bellied Euphonia 5 Call 0:32 Euphonia xanthogaster (28/7/2000 18:00h, El Morro road, Merida, Venezuela, 08.30N,71.05W) © Peter Boesman.

3297 6 Orange-bellied Euphonia 6 Call 0:46 Euphonia xanthogaster (26/7/2002, Lower escalera, Bolivar, Venezuela, 06.00N,61.22W) © Peter Boesman

3297 7 Orange-bellied Euphonia 7 Call 0:17 Euphonia xanthogaster (31st January 2011 10h00. RNA Reinita Cielo Azul, San Vicente de Chucurí, Santander, Colombia, 1900m, N.50°47' N, 73.22°30' W), © Peter Boesman.

3298 1 Rufous-bellied Euphonia 1 Call 0:18 Euphonia rufiventris (30/6/1994 , Rio Grande area, Bolivar, Venezuela, 08.03N,61.40W) © Peter Boesman

3298 2 Rufous-bellied Euphonia 2 Call 0:25 Euphonia rufiventris (28/3/1997 11:00h, Gavilan road, Amazonas, Venezuela, 05.36N,67.12W) © Peter Boesman

3298 3 Rufous-bellied Euphonia 3 Call 0:33 Euphonia rufiventris (28/7/2009 09:30h, Pantiacolla Lodge, Madre de Dios, Peru, 12.39S,71.14W) © Peter Boesman

3301 1 Blue-naped Chlorophonia 1 Call 0:10 Chlorophonia cyanea (11/10/1992 , Guaramacal NP, Trujillo, Venezuela, 09.10N,70.11W) © Peter Boesman

3301 2 Blue-naped Chlorophonia 2 Call 0:11 Chlorophonia cyanea (29/7/2004 16:00h, Itatiaia National Park, Rio de Janeiro, Brazil, 22.25S,44.35W) © Peter Boesman

3301 3 Blue-naped Chlorophonia 3 Call 0:09 Chlorophonia cyanea longipennis. RNA Arriero Antioqueño, Anori, Antioquia, Colombia, 1500m, 10:10h, 18-06-2011, N6.59°10' W75.7°30', call, natural vocalization © Andrew Spencer.

3302 1 Chestnut-breasted Chlorophonia 1 Call 0:17 Chlorophonia pyrrhophrys (20/1/1998 10:00h, Pico Humboldt trail, Merida, Venezuela, 08.36N,71.05W) © Chris Sharpe

3302 2 Chestnut-breasted Chlorophonia 2 Call 0:13 Chlorophonia pyrrhophrys (12/2/2006 16:00h, San Isidro lodge, Napo, Ecuador, 00.40S,77.55W) © Peter Boesman

3302 3 Chestnut-breasted Chlorophonia 3 Call 0:22 Chlorophonia pyrrhophrys (31st December 2009 12h00. P.N. Tatamá, Montezuma trail, near Pueblo Rico, Risaralda, Colombia, 1600m, 5°14'3"N 76° 5'21"W) . © Peter Boesman.

3303 1 Yellow-collared Chlorophonia 1 Call 0:23 Chlorophonia flavirostris. Milpe, Pichincha, Ecuador, 1200m, 11:00h, 16-10-2010, N0.1°43' W78.51°46", Calls from a flock of 8 birds © Andrew Spencer.

3303 2 Yellow-collared Chlorophonia 2 Call 0:22 Chlorophonia flavirostris. Reserva Paz de Aves, Pichincha, Ecuador, 1900m, 09:20h, 02-01-2008, Call © Andrew Spencer.

3303 3 Yellow-collared Chlorophonia 3 Call 0:44 Chlorophonia flavirostris. Tadayapa Valley, Pichincha, Ecuador, 1980m, 11:00h, 07-12-2000, S0.1° W78.4°10", call? © Nick Athanas.

3303 4 Yellow-collared Chlorophonia 4 Soft calls 0:49 Chlorophonia flavirostris. (23/12/1992 10:00h, Mindo area, , Ecuador, 00.03N,78.45W). Group of some 12 birds. © Peter Boesman.

3309 1 House Sparrow 1 Call 0:16 Passer domesticus (14/2/2007 11:15h, Salton Sea, CA, USA) © Peter Boesman

3309 2 House Sparrow 2 Call 0:14 Passer domesticus (12/4/2003, San Cristóbal de las Casas, Chiapas, Mexico, 16.45N,92.42W) © Peter Boesman