AMAZONIAN BRAZIL Alta Floresta, the Rio Azul, and Cristalino Jungle Lodge

08 - 20 February 2009



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participant: Mark Sutton

Introduction: Mark contacted me in January asking if a trip to clean up the specialties of the southern Amazon in the rainy season would be feasible. The answer was a tentative yes in consideration of the fact that 2009 had thus far been relatively dry in the state of Mato Grosso, but with the caveat that one musn't mind getting a little wet, paying a little less, and seeing a lot of great birds. Mark didn't think he'd be bothered by a bit of rain, perhaps particularly since Britain was covered in snow during our correspondence, and soon enough a trip in February was on.

There are many reports from trips to this region of Brazil but few covering visits in the rainy season. Hopefully our success in February will help to dispel the notion that one can only visit the Brazilian Amazon from June to October. Mark had visited lodges in Amazonian Peru and Ecuador and thus had already seen many of the 600+ species found around Alta Floresta on previous trips. Nevertheless, by focusing on his list of target species we managed to record 90+ lifers including all but one of the top target species.

About the rainy season: The wet season in the southern Amazon of Brazil falls between December and the end of March. In Alta Floresta, where I am based, the most intense rains tend to fall in February and March though there is quite a bit of annual variation in that respect. In 2009, the rainy season has been late to arrive and we have had relatively little rain to date. At this time of year rain is a daily or near daily event, but rains lasting an entire day or more are rare. During this trip we were able to bird every morning and afternoon of the trip, and experienced only a

few heavy downpours during that time. Mark had been well advised in advance and brought adequate rain gear and plastic bags to protect his equipment in the field. For the most part an umbrella was sufficient defense, but a light rain jacket was also useful. Rubber boots (wellingtons) are not necessary for this region even in the rainy season.

Birding in the region during the rainy season is excellent. The abundance of fruit throughout the forests mean trees are often packed with colourful tanagers, araçaris, parrots and guans. Many species are either nesting or have dependent young whose insistent begging can draw a birder's attention to their typically inconspicuous parents. A handful of species migrate to the region in the wet season (eg. Gould's Jewelfront, Red-rumped Cacique) or simply become easier to find due to increased vocal activity (eg. Zigzag Heron, which is nearly guaranteed at Cristalino from December to March). On the other hand a number of austral migrants, mostly widespread tyrant flycatchers, are absent during the rains.

Itinerary:

February 7: Arrival in Alta Floresta.

February 8: Alta Floresta

February 9: Alta Floresta and travel to Rio Azul.

February 10 – 13: Pousada Rio Azul.

February 14: Pousada Rio Azul and travel to Rio Cristalino.

February 15 – 19: Cristalino Jungle Lodge.

February 20: Cristalino and travel to Alta Floresta.

February 21: Departure.



Daily accounts:

February 8th: Our early morning owling rained out, I met Mark at the Floresta Amazônica Hotel in Alta Floresta to bird the forest patch behind the hotel. We started with an early morning vigil from the football field, kicking things off with a smart Tiny Hawk which flew overhead then perched at the forest edge for scope views. The early rain seemed to have taken the edge off bird activity, but parrots played a prominent role in the morning's birding: we had nice flight views of Scarlet, Red-and-green, Chestnut-fronted and Red-bellied Macaws, White-eyed Parakeets, Blue-headed Parrot and Yellow-crowned and Mealy Amazons. A fruiting tree was attracting Lettered and Chestnut-eared Araçaris in addition to Crested Oropendola, Yellow-rumped Caciques and a dozen or more Bare-necked Fruitcrows. After an hour or so on the pitch it seemed that nothing further was forthcoming, so we headed for the forest. A second Tiny Hawk was a pleasant surprise. Our forest trail was deathly quiet but for a vocal White-browed Hawk which frustrated by calling from nearby but managed to remain hidden from view. A short distance from the hotel we arrived at the nest site of the resident pair of Harpy Eagles, finding the massive adult female standing upon her nest. As we watched she hopped onto a nearby limb, allowing scope views of her massive talons and thick feathered tarsi as she clambered to higher branches to dry off in the morning sun.

Once we had finally had our fill of Mark's first Harpy, we continued along the forest trail where we found a couple of understory antbirds including a pair of **Plain-throated Antwrens** and some skulking **White-shouldered Antshrikes**. After a short search we found a calling **Screaming Piha** at a traditional lek site and enjoyed watching him belt out his loud advertising call in the scope. Things were mostly quiet otherwise and we returned to the hotel for lunch.

After lunch the rain which had let up in the morning was back, and even stronger than before. As I drove through Alta Floresta to meet Mark I found the downtown choked with water and passed several streets flooded by blocked storm drains. Since our afternoon birding site lay more than 20 minutes west of Alta Floresta by car, there was a

chance that it would not be raining there. So we set off for the Rio Santa Helena, where sure enough the skies were relatively clear and the dirt access road was bone dry. The Santa Helena is a narrow river providing good access to an excellent range of riparian species. It is also adjoined by one of the largest remnant forest patches in the immediate area around Alta Floresta. It is perhaps due to the latter fact that we should not have been overly surprised by our first bird of the afternoon: a fearless juvenile **Harpy Eagle** which flew out from its perch at the roadside to check us out, hovering over my car for a few seconds before returning the forest edge and perching for a prolonged study!

Continuing, we parked before a small bridge and birded the rest of the afternoon from the roadside. Here we saw Amazonian Antpitta, Amazonian Antwren, Red-necked Araçari, Cinnamon Attila, female Spangled and Pompadour Cotingas, Madeira Parakeet, Buff-breasted Wren, Straight-billed Woodcreeper, Yellow-bellied Dacnis, Red-billed Pied-Tanager and others. Our third Tiny Hawk of the day put in an appearance. As dusk fell we picked up Lesser, Common and Short-tailed Nighthawks and heard a Tawny-bellied Screech-Owl.

February 9th: Another early owling session was rained out. This morning we headed directly into the forest behind the hotel, stopping to look at Short-tailed Pygmy-Tyrant at the forest edge. After a quick look at the female Harpy Eagle snuggled deep down in her nest, we walked the Primates Trail picking up a few bits and pieces including a stellar male Rose-breasted Chat, a pair of the near-endemic Black-girdled Barbet, White-tailed Trogon and close views of a family of Chestnut-tailed Antbirds. A couple of mammals put in appearances, including a Nine-banded Armadillo, and a mixed group of Dusky Titi-Monkeys, Silvery Marmosets and Brown Capuchins. A stop at a flooded area known locally as the fish ponds found us a pair of Hook-billed Kites and a couple of vocal Striolated Puffbirds.

After a pleasant lunch at a restaurant in town, we met up with Carlos of the Pousada Rio Azul for the five hour transfer to the lodge on bumpy dirt roads with plenty of stops for birding. Along the way we picked up a number of new open country species including Cocoi and Striated Herons, Pearl and White-tailed Kites, Purple and Azure Gallinules (the latter a rare migrant in the region), good numbers of 5 species of macaws including our first Blue-and-yellows, Orange-winged Amazon and White-lined Tanager. A big highlight was the impressive adult Ornate Hawk-Eagle seen low in trees around the ferrymaster's residence at the banks of the Teles Pires river, obviously casing the yard and eyeing his chickens with interest. As we crossed the state border from Mato Grosso into Pará, I informed Mark that we were entering Hyacinth Macaw territory. Sure enough, some 20 minutes later Carlos stopped the truck and asked to borrow my binoculars, indicating a pair of macaws perched low in a palm on the left side of the road: it was quickly confirmed – Hyacinth Macaws! These birds are part of a small offshoot population of the larger numbers found in their Amazonian stronghold to the north on the Serra do Cachimbo, and we've been finding the species quite reliably in the ranchland near the Pousada Rio Azul since our first visits in 2007.

We arrived at the lodge in the late afternoon, unpacked for a 5-night stay and settled in with the first of many delicious meals – Ivaní's cooking was once again a major trip highlight!

February 10th: After a pre-dawn breakfast we started birding in the small clearing in which the lodge buildings are situated. A tape responsive Amazonian Barred Woodcreeper in the spotlight was our first bird. As the day brightened we found Rufous-winged Antwren, White-lored Tyrannulet, Ringed Woodpecker, Paradise and Rufous-tailed Jacamars, a trio of Black-girdled Barbets, Curl-crested Araçari, White-flanked Antwren, Long-billed Gnatwren and a Helmeted Pygmy-Tyrant. We then walked the entrance road to the lodge to bird the stunted campina vegetation found there, where we encountered plenty of hummingbirds in low flowering bushes including numerous Green-tailed Goldenthroats, Black-eared Fairy, Fork-tailed Woodnymph and a Black-bellied Thorntail or two. There were some White-collared Swifts overhead, forced lower by the threatening skies. In the taller forest bordering the campina we had Cream-coloured Woodpecker, Spix's Warbling-Antbird and a pair of Bronzy Jacamars. A male Red-shouldered Tanager was a nice find, and also our last bird before a steady rain began which forced us to turn back to the lodge for hot coffee.

The rain didn't last much more than an hour and as it tailed off we headed to a nearby observation platform overlooking a beautiful lagoon with crystal clear waters. Aside from the numerous species of tropical fish and sting rays noted, we also found Gray-chested Greenlet, Amazon and Green-and-rufous Kingfishers, Chestnut Woodpecker, Green-and-gold and Turquoise Tanagers and quick flyby views of a flock of 5 Bald Parrots. We returned to the lodge clearing in the hopes that the parrots had perched nearby, but didn't manage to relocate the birds. A fruiting tree at the forest edge had parrots, but all with feathered heads: Madeira Parakeet, Goldenwinged Parakeet and Dusky-billed Parrotlet. I suggested we walk down to the river edge, but our path was blocked suddenly by three Razor-billed Curassows foraging calmly at the trailhead. Mark filmed these magnificent birds to his heart's content. Our progress was halted again by the appearance of a smart **Tapajós Hermit** nectaring at low bushes beside the path – this species, due to be described shortly in the Auk, is easy in the clearings at the Pousada Rio Azul. Any further thoughts we had of reaching the river before lunch were dashed by the appearance of a large mixed flock at the edge of the clearing. It seemed to be comprised largely of woodpeckers: Bar-breasted Piculet, Red-stained, Golden-green, Yellow-throated, Scale-breasted and Ringed Woodpeckers were joined by Chestnut-backed Antshrike, Pygmy Antwren, a sharp male Spangled Cotinga and Rufous-bellied Euphonia. A singing male White-browed Antbird was glimpsed in the undergrowth. This action took us nearly to lunchtime, but I was insistent on walking the short distance to the river, whereupon we bumped into Striped, Wedge-billed, and Olivaceous Woodcreepers and a pair of Blue-necked Jacamars.

After lunch and a short and refreshing rain shower, we headed out for our afternoon's outing and our first look at the Rio Azul itself. From the boat we noted plenty of **White-banded Swallows** and both **Channel-billed** and **White-throated Toucans**, a couple of **Red-throated Piping-Guans** and a single **Dusky-chested Flycatcher** in an area with a few *Mauritia* palms. The highlight of the afternoon was an aggressive male **Crimson Topaz** which harassed other hummingbirds, consistently returning to its perch atop a tree at the river's edge. Terrific! Further downstream we anchored the boat in a narrow stretch of the river and played pygmy-owl tape, attracting a number of small passerines including **Bay-headed**, **Green-and-gold**, **Swallow** and **Paradise Tanagers**, **Black-faced Dacnis**, **Purple** and **Short-billed Honeycreepers**. Returning to the lodge we 'spied' a **Pied Puffbird** in a leafless tree which afforded only brief views before it dropped from sight.

A short session in the lodge clearing as dusk fell produced **Blackish Nightjar** (we later found a nest at the edge of the clearing with a single egg), a singing **White-necked Puffbird** and a family of **Opal-rumped Tanagers** heading to roost in one of the isolated young trees planted near the cabins.

February 11th: This morning we repeated yesterday's woodcreeper trick, but this time with **Red-billed Woodcreeper** at the edge of the lodge clearing. Instead of lingering in the clearing we headed directly into the adjacent forest along an old trail once used to transport small boats around a set of dangerous rapids above the lodge. An elusive **Spot-winged Antshrike** in the canopy made us work for views but finally showed above our heads. A male **Gould's Toucanet** was more co-operative, calling and bowing and seen in the scope. While we were glimpsing a singing **Musician Wren** in the undergrowth a curious **Long-tailed Hermit** came and checked us out at close range. The harsh song of **Snethlage's Gnateater** was heard nearby, and with little bit of work with the tape were we enjoying excellent views of this striking antbird, his white eyebrow glowing in the dim undergrowth.

While I thought that activity could have been a little better along this usually active trail, we managed to see a number of good birds throughout the morning in the riverine and *terra firme* forests including **Gray Antbird**, **Grayish Mourner**, **Ruddy-tailed Flycatcher**, **Dwarf Tyrant-Manakin** (after a lot of chasing the ventriloquil vocalizations), a pair of sharp **White-browed Purpletufts** in the canopy, and a family group of **Madeira Parakeets** investigating a potential nest cavity. A **Yellow-footed Tortoise** halfway crossed the trail in front of us before deciding better and turning back.

Shortly thereafter we also decided to turn back in the hope that activity might pick up as the day warmed a little. However, some tinamous calling nearby first tempted us into the forest to 'give them a go'. We sat down on the forest floor and I began to whistle, then switched to tape as we tried to coax a **Brazilian Tinamou** in for a peek. In the end we were treated to more than a peek, as a cautious but inquisitive individual approached silently and strolled

about, albeit somewhat skittishly, just a few metres away from where we sat quietly. Mark even managed to film the bird (look for the clip and many others on the <u>Internet Bird Collection</u> in due course).

Reinvigorated by our success with the tinamou, we seemed to pull birds out of thin air for a while: Spix's Guan, Yellow-browed Antbird, Black-faced Antbird, a soaring Ornate Hawk-Eagle, Cinereous Antshrike, White-eyed Antwren, Lafresnaye's Woodcreeper and White-bellied Tody-Tyrant and Rufous-tailed Flatbill were all see within the next half hour. A big canopy flock near the lodge caught us by surprise (and perhaps waning a little due to the late hour?) but we still picked out some new birds including Flame-crested Tanager, Sclater's Antwren, Rufous-tailed Foliage-gleaner and Yellow-margined Flycatcher. The real prize was a tricky Guianan Gnatcatcher which disappeared for anxious periods of several minutes before I could put Mark on it, the white outer tail feathers and obvious gnatcatcher shape and behaviour finally all coming together for nice views of this tough canopy dweller as it flitted about in slender outer branches. The gnatcatcher in the bag, we adjourned for a well deserved lunch.

Our planned afternoon outing was a visit to some bamboo-dominated forest accessed by bad ranch roads. Carlão was worried about the road and said that if it rained or looked like heavy rains were approaching, we would have to change our plans. I convinced him that we should give it a shot anyway, since the track we wanted to bird has always been very productive, even in mid-afternoon. In the end we didn't even reach the area in question. A very muddy corral and a fast-moving front of rain clouds forced us back to the lodge. The backup plan was to bird the entrance road. Immediately upon arrival I heard a Tataupa Tinamou call nearby, and encouraged by our earlier success gave it a blast with the tape. Surprisingly, the tinamou came rocketing out of a thicket where it had been calling, running through a dense cover of low ferns and coming to a stop nearly at our feet. Very nice indeed. A noisy gang of Plush-crested Jays vied for top billing as well. We were frustrated by two pairs of Spotted Puffbirds which we simply could not find in the dense campina forest, finally seeing one bird very briefly in silhouette as it perched in the open on a thick limb before disappearing again in the dimming light. Our attention shifted to a more cooperative (thankfully) Tawny-bellied Screech-Owl who obliged us with excellent views and even posed for video footage at the forest edge. Carlão headed back to the lodge in the truck to see that dinner was on track, while Mark and I opted to walk back to the lodge. No more owls, but we did find a cute Paca foraging at the edge of the lodge clearing. This animal prompted one of my classic massive misidentifications when I initially pegged it as a Brazilian Tapir (obviously due to the similarity in the markings of the paca and young tapirs... erhm, cough cough)... perhaps a dwarf tapir?

February 12th: Our morning started under a dawn fog in the *campina* along the entrance road. The low vegetation in this area typically affords good views of various species of parrots in flight in the early morning, and today the recently (1989) described **Kawall's Amazon** was a highlight. After chasing a female **White-fringed Antwren** which was singing intermittently for a while, we shifted our attention to the showy **Plush-crested Jays** nearby. While watching the jays, a **Red-throated Piping-Guan** burst from the forest nearby, chased by a large *Accipiter* nearly three-quarters its size. We hurried along the track to try to re-find the raptor, first encountering a trio of **Red-fan Parrots** and a **Laughing Falcon** perched on snags near the road. An alarmed **Channel-billed Toucan** drew my attention to the sought raptor, and scope views indicated that it was a subadult **Bicoloured Hawk**.

By the time we had finished with the hawk the early mist had burned off and replaced in the sky by an angry tropical sun. So into the forest we went, starting with the *campinarana* at the far end of the Woodcreeper Trail. Here we saw **Thrush-like Schiffornis**, a male **Plain-throated Antwren**, and a 'well-put-together' **Ringed Antpipit** which performed down to just a couple of metres. A fruiting tree had **Red-necked Araçaris** and **Red-throated Piping-Guans** while a couple of male **Fiery-capped Manakins** found nearby showed their distinctive striped underparts while they zipped about in the subcanopy above us.

Transitional forest along the river's edge produced a couple of shy terrestrial species in the form of a Variegated Tinamou on the trail and one or possibly two Ruddy Quail-Doves which we flushed a couple of times. An active antswarm had Lafresnaye's, Spix's, and Plain-brown Woodcreepers and we heard but didn't manage to see Black-spotted Bare-eye. We still had a little time before lunch upon reaching the lodge, so we headed to the

lagoon where we picked up **Collared Trogon** and **Amazonian Antshrike** before adjourning for another delicious meal.

Our afternoon had a single goal: better views of the Bald Parrot. To that end, we headed to the observation platform at the edge of the small lagoon near the lodge. This platform has good sightlines and to date has been a reliable place to see this special parrot during the afternoons. We saw few birds here, mostly species we had seen before, and enjoyed the fish again while keeping our eyes and ears open for sign of the parrots. Shortly after 5 pm I had the sharp cry of our target, but the birds remained hidden from view. I tried playing tape, and suddenly a pair of **Bald Parrots** popped up in the canopy of a tree at the far end of the lagoon. Scope views ensued until the birds dropped out of sight as quickly as they had appeared. Thinking that the birds may not have left the area, we tromped around in the forest around the tree that had held the parrots, but our search came up empty.

Another frustrating game of tag with the **Spotted Puffbirds** on the entrance track did little to dampen our high spirits in having nailed the star bird of the Rio Azul. As Mark put it, the 'pressure' was off.

February 13th: Rain! Just after breakfast, as dawn broke so too did the clouds which had been building overnight. Beforehand, however, we had time for a quick foray into the forest behind the restaurant to try for the Cryptic Forest-Falcon I heard calling. No luck, but we did manage good views of a nice Collared Puffbird in the dawn twilight. But then a steady rain kept us inside for the next couple of hours of the morning. Finally, with the rain still coming down strong, at Carlão's suggestion we explored a promising area of Amazonian caatinga where we found few birds aside from Orange-winged Amazons and a Short-crested Flycatcher and a small gang of Speckled Chachalacas en route to the site. With the rain easing up a little we returned to the river and headed downstream. Here we had (in my opinion) our best views yet of Bald Parrots, with three perched in a bare snag at the river's edge. Other additions included Capped Heron and Spotted Tody-Flycatcher and a mammal tick for Mark in the form of a lone Neotropical Otter above the first set of rapids.

Our destination was a track through partially logged forest dominated by extensive stands of Guadua bamboo in the forest reserve of a neighbouring ranch. Even though we arrived in the late morning we still managed to find a fair few new birds. Moustached Wrens skulked beside the track, while a flock of 8-12 Slate-coloured Seedeaters feeding on seeding bamboos was a pleasant surprise. This erratic species is poorly known in this region of Brazil, but shows up at this location now and again. Farther from the river we found some low-flying White-thighed Swallows and several raucous pairs of Blue-and-yellow Macaws. Also along the edges were Long-tailed Tyrant, Olive-sided Flycatcher, Blue-black Grosbeak and Epaulet Oriole. A big canopy flock kept us busy for some time, and it was comprised of Green Honeycreeper, Turquoise and Palm Tanagers, a pair of Slaty-capped Shrike-Vireos, Red-stained Woodpecker, Black-crowned and Masked Tityras, Cinnamon-throated Woodcreeper, Buff-throated Saltator, Collared Trogon, Chestnut-crowned Becard, Paradise Jacamar and perhaps best of all, a nice Yellow-shouldered Grosbeak pair. A nearby stand of bamboo held a number of specialist species including Crested Foliage-gleaner (terrific views of a singing bird), Large-headed Flatbill, Helmeted Pygmy-Tyrant and Manu Antbird. Also in attendance were some White-backed Fire-eyes and a pair of Fasciated Antshrikes. It was well past our normal lunch time when we headed back upriver toward the lodge, but one of the advantages of the familiar, customized attention at the Pousada Rio Azul is the great flexibility in mealtimes and their increasing understanding of birders' needs. Lunch was served shortly after our arrival, piping hot and sumptuous as always.

In the afternoon we walked a loop combining three trails from the lodge. All was quite quiet, and indeed we only found two birds all afternoon. But what birds they were. A bit of speculative tape work in an area of vine forest brought a tepid, almost inaudible response from a distant **Rufous-necked Puffbird**. The bird was not overly interested in challenging its phantom rival, thus we were forced to slip into the forest to track down this special bird. Finding it was made difficult by the bird's reluctance to sing, but we finally traced the source of the quiet alternate calls – a stunning combination of brown, white, black and rufous sitting in the open on a thick vine.

Doubling back toward the lodge on a riverside trail, we ended up at a small stream behind the restaurant to try for the recently described (2002) **Cryptic Forest-Falcon** which we had heard pre-dawn. After just a couple of minutes

playing the tape, I spotted a slim raptor fly in and land in the subcanopy above our heads. It was indeed our bird, and in the end it put on a brilliant show, hopping along limbs and looking down at us curiously before ascending into the canopy and beginning to call without end, re-asserting its claim to this corner of the forest. We emerged with the forest flushed with success, agreed that it would be difficult to top such an experience before dinner, and thus adjourned the day's birding.

February 14th: With a few specialties of the stunted *campinas* still missing from our list, we headed once more to the entrance road this morning. Heard again, but not seen were a pair of **Spotted Puffbirds**. A calling **Pale-bellied Mourner** attracted our interest, and we entered the low forest on a side trail to get closer. Stopping in a small clearing, we needed to insist with the tape in order to call the bird in several times to secure good views of this white-sand specialist for Mark. During the pursuit a pair of **Plush-crested Jays** eyed us curiously as they came and went from a hidden nest site. Deeper in the forest we found a young **White-crowned Manakin** before backtracking to look for (and find) a singing male **Natterer's Slaty-Antshrike**.

We were due to meet Carlos on the road to head out to the neighbouring ranches, so we returned to the track, filming a male **Chestnut-bellied Seed-Finch** and seeing the same trio of **Red-fan Parrots** along the way. A light rain started to rain as we loaded into the truck, but it didn't interrupt our birding in the ranchland where we watched a large family of **Burrowing Owls** and saw many macaws before stopping at an inauspicious area of bushy fields where I called in a cracking pair of **Masked Yellowthroats**. Mark had mentioned that he'd like to see Hyacinth Macaws again as he had not managed good video footage the first time around. Carlos quickly obliged us as we drove along, spotting a pair of **Hyacinth Macaws** perched in a high snag beside the road, surrounded by a half dozen **Black Vultures**. We stepped down from the truck to enjoy and film these charismatic birds. Nearby I managed to elicit a response from a pair of **Ash-throated Crakes** in the grassy ranchland; eventually the macaws flew off and we walked to the edge of the fence to try the crakes. Within a matter of mere seconds we watched as the two birds stepped out from the tall grass to duet in the open less than three metres away from us!

Soon it was time to return to the lodge for an early lunch, after which we said our goodbyes and loaded into the truck once more to make the return trip to Alta Floresta. En route we picked up a few new birds in the form of a flock of **Red-breasted Blackbirds**, a sharp **White Hawk** sitting on a fence post swallowing a still-twitching snake, and a couple of **Black-capped Donacobius** at a roadside pool. In town we switched vehicles at the Floresta Amazônica Hotel, bidding Carlão and Carlos farewell and starting off on the 45 minute transfer to the banks of the Teles Pires river (**White-tipped Dove**) where Francisco awaited to take us to the world-famous Cristalino Jungle Lodge. The trip up the Rio Cristalino had just one new bird for us (**Rufescent Tiger-Heron**), but the serenity of the river and the impressive forest along its banks are enough to impress even the most dedicated of twitchers.

February 15th: This morning we set off in the brightening dawn heading for Cristalino's showpiece attraction, the 50-metre canopy tower. However, with Mark one species shy of a significant milestone and having noted his predilection for all things 'pitta', I had us detour on a side trail in pursuit of a hollow hooting vocalization. Fortune was once again good to us, as it didn't take too long to call in a curious **Spotted Antpitta** with imitations. Moreover, he had the good grace to sit up on a fallen log in clear view! It was with great pleasure that we watched this spectacular creature puff out its throat with each vocalization, putting on a show befitting Mark's 5000th world bird. I was tempted to call it a day then and there.

But the canopy tower awaited, and we forged onward (and upward), settling in at a middle platform at 30 metres above the forest floor to watch and wait as the morning mist cleared away. An industrious **Red-necked Woodpecker** was working a nearby snag for #5001; there were lots of birds around the tower and we enjoyed **Swallow-tailed Kites**, **Red-and-green** and **Chestnut-fronted Macaws**, **Kawall's** and **Mealy Amazons** (the latter uncommon at Cristalino), **Curl-crested Araçari**, **Black-girdled Barbet**, a **Forest Elaenia** at little more than arm's length, **Crowned Slaty-Flycatcher**, **Tooth-billed Wren**, **Red-eyed Vireo**, **White-lored Euphonia**, **Bare-necked Fruitcrows** and a noisy family group of **Red-billed Pied-Tanagers**. The 'upper deck' brought more sightings in the form of a perched **King Vulture** awaiting a thermal and an extremely distant but easily recognizable juvenile **Harpy Eagle** near the horizon – our third in just a week! A big canopy flock passed near to the tower and we saw **Black-bellied Cuckoo**, **Black-eared Fairy**, **Red-stained Woodpeckers**, **Violaceous Trogon**, **Gray Elaenia**,

Slender-footed Tyrannulet, Masked Tanager and **Blue Dacnis**. A large emergent tree beside the tower was fruiting and pulling in a number of colourful birds for our enjoyment. An exceptional pair of **Red-necked Araçaris** hopped up to the upper branches and sat quietly for more than a half hour, offering close-range photo opportunities from a unique perspective – looking down on them!

We did a quick loop trail after descending the tower which was mostly quiet. A notable exception was the responsive and daring **Short-billed Leaftosser** which approached us very closely indeed.

In the afternoon we headed down the Cristalino to the Teles Pires river under threatening skies. After some unsuccessful attempts for Rusty-backed Spinetail we stopped on a large river island to shelter from rain showers which passed very quickly. Then it was back to the boat and over to a couple of tiny islets (at this time of year entirely submerged) where we quickly found **Amazonian Tyrannulet** and **Drab Water-Tyrant**. Returning to the larger island we walked a wide trail without seeing much aside from a family of **Red-capped Cardinals** and a pair of **Undulated Tinamou** which crossed the path in front of us. At dusk we headed upstream to return to the lodge, spotlighting some exquisite **Ladder-tailed Nightjars** along the way. We also tried a number of spots for Blackbanded Owl but had to settle for heard-only **Tawny-bellied Screech-** and **Crested Owls**.

February 16th: A foray upstream to the Haffer trail started with an unsuccessful attempt to see a calling pair of **Zigzag Herons** near the lodge. En route to our trail we stopped at a quiet *igarapé* to listen for trumpeters but instead found a sharp female **Dot-backed Antbird** which paid off the stop with change to spare. A **Ruddy Quail-Dove** at the head of the Haffer trail was a positive start. A male **Scale-backed Antbird** was also nice, and followed later by an even better **Black-spotted Bare-eye** which circled us in response to tape. A wonderful **Rufous-capped Antthrush** was attracted by tape and put on a show as it bounced back and forth along a branch, seeking out its challenger. We picked up more new birds in the form of a pair of **Dot-winged Antwrens** at the edges of a mixed flock which slipped away as quickly as it had appeared; another somewhat more stationary flock contained **Spix's Woodcreeper**, **Saturnine Antshrike**, **Tawny-crowned Greenlet** and **Red-crowned Ant-Tanager**.

The Haffer trail is a short loop so there was time left over to stop in an area of *igapó* forest along the Rio Cristalino to look for **Flame-crested Manakin**. Francisco led the way and less than two minutes later we were admiring a handsome subadult male near its favourite patch of vines. **Collared Trogon** and **Blue-necked Jacamar** were also present. We played plenty of tape for trumpeter but no response was forthcoming. Onward to lunch.

Rains came and went after lunch, and we headed into a dripping forest to check out the area around the salt lick to try again for trumpeters and night birds. Certainly no trumpeters about, and in fact we saw very little at all – just a couple of **Pectoral Sparrows** becoming active as dusk neared. None of the usual owls or nightjars were singing near the hide, so we began walking back to the lodge, stopping now and again to troll for a couple of targets. We had just one positive response, a distant **Ocellated Poorwill** which sang once or twice but refused to approach. Tough crowd.

February 17th: This morning we started well before dawn on the river, trying a number of likely spots for one of the most difficult birds at Cristalino, the Black-banded Owl. Not surprisingly we had no luck, but were amply rewarded for our efforts with marvelous views of an advertising Zigzag Heron (see my photograph in the gallery below, taken with a handheld point-and-shoot digital camera at 3x zoom). After breakfast back at the lodge we checked out the beginning of the Caja trail specifically to see the local pair of Bare-faced Curassows which obliged in the sense that they were strolling 'round the lodge clearing upon our return. Fair enough. Then it was off to the Rochas trail via a series of side trails where we managed to find a couple of mixed flocks with Long-tailed and Spot-throated Woodcreepers, Wing-barred Piprites, Plain Xenops and Rufous-tailed Foliage-gleaner. Near the forest salt lick we found a showy male Spot-backed Antbird in the undergrowth. A small flock at a stream contained Rufous-rumped Foliage-gleaner and a pair of Euler's Flycatcher. The salt lick and immediate area had been turned upside down by peccaries, and Francisco (who met up with us here) informed us that we had just missed a large band by less than an hour. The trees around the salt lick held our primary target for the morning, a small flock of Crimson-bellied Parakeets, and as a bonus, a nice Brown-banded Puffbird perched in the upper reaches of the canopy (expertly spotted by Francisco). It was at this point that Francisco informed us that the peccaries were

returning, and that if we climbed into the observation hut we would stand an excellent chance to watch the animals if they decided to stop at the salt lick again. Up we went. After 15-20 minutes the first **White-lipped Peccaries** began to filter into the small clearing, and before we knew it the ground was black with more than 100 of these noisy, smelly, charismatic forest pigs. We watched the peccaries for more than half an hour before finally stepping out of the hide and into the heavy rain which had begun shortly after they arrived at the salt lick, quick-marching it back to the lodge just in time for lunch.

The rain continued throughout the early afternoon and until 4 pm when we decided to go for a short walk to the Secret Garden to look for hummingbirds. Speculative use of pygmy-owl tape brought in a single bird, a dazzling male **Gould's Jewelfront**. The photographs I managed to take of this bird represent the first documented record for this species at Cristalino, where it is probably an uncommon wet season migrant. Unfortunately the rain was still coming down and we changed the plan, heading to the river instead.

The drizzle kept activity low on the river though we did see many **Red-throated Piping-guans**, some **Blue-and-yellow Macaws**, a **Sunbittern** on a nest and as dusk fell, **Short-tailed Nighthawk** and **Ladder-tailed Nightjars**. We returned to the lodge spotlighting and broadcasting for owls. No owls, but we did find a **Common Potoo** hawking insects. A far better sighting, however, was the **Ocelot** which Francisco somehow managed to see amidst a tangle of vegetation in a treefall at the river's edge. The cat was worth the outing entirely in and of itself, and perhaps we were a tad blasé about the pair of **Feline Night Monkeys** I spotlighted at the boat landing upon our return to the lodge.

February 18th: Upstream this morning to the Serra Nova trail to search for Snow-capped Manakin and trumpeters. While neither of the target species fell into place, things started out well with a mixed flock containing Buff-throated and Pará Foliage-gleaners, Gray and Long-winged Antwrens, Red-crowned Ant-tanager and more. As we watched an active lek of White-bearded Hermit, the classy hummers zipping around, singing loudly, and fighting, the telltale snarls of obligate antibirds were heard nearby. I only managed to see Black-spotted Bare-eyes, but Mark also found a cracking male Bare-eyed Antbird and a Slate-coloured Grosbeak. Further along we found the distinctive female of the *nigrigula* race of Scale-backed Antbird. We were again frustrated by a calling Curvebilled Scythebill at a small stream at the base of the hill, but here we found Sulphur-rumped Flycatcher, White-browed Antbird and a nice pair of Ornate Antwrens.

With birding a bit slow down in the forest we decided to undertake the short climb up the hill to try for Amazonian Pygmy-Owl and see what else was about. The skies were overcast but it was quite hot nevertheless and few birds were around. A noisy flock comprised of **Golden-winged** and **Madeira Parakeets** scuttled from tree to tree while a **White-browed Purpletuft** pair sat atop a snag. Recent rains meant that a number of perennial streams on the summit were filled with amphibians. The most abundant frog appeared to be the handsome **Spot-legged Poison Frog**, a couple of which led me on merry chases through spiny terrestrial bromeliads in my quest to photograph them – ouch.

It was obvious that the birding here wasn't going to pick up, so we headed back down the hill, picking up **Yellow-olive Flycatcher** along the way. We met up with Francisco to try for Snow-capped Manakin without success. I did call in a nice **Cinereous Mourner** but otherwise we added nothing new on the return to the boat.

In the afternoon we birded the Cacau trail, again in search of manakins and trumpeters. Again to no avail. The few birds we did see included another close **Short-billed Leaftosser** and three **Great Jacamars**. A small canopy flock had **Yellow-shouldered Grosbeak**, **Rufous-bellied Euphonia** and **Bay-headed Tanager**. We kept ourselves busy into dusk with another canopy dweller, an elusive **Amazonian Pygmy-Owl** who remained hidden for more than an hour before we finally lured it into the relatively open canopy of a tree beside the trail where I got it in the scope for well-deserved views. A good end to a tough day.

February 19th: It may seem a little repetitive, but this morning we headed out with two special targets in mind: Snow-capped Manakin and Dark-winged Trumpeter. To that end we walked directly to a small forest stream near the salt lick, seeing a Razor-billed Curassow en route. At the stream a singing pair of Spot-winged Antbirds

wouldn't show themselves and we managed only fleeting views of **Speckled Spinetail** in a quick-moving flock. Hmm. Plenty of **Collared Trogons** were along the stream, and slightly further along we found a nice pair of **Black-throated Trogons**, new for the trip and perhaps the most difficult of the local trogon species. After a bit of judicious tape work and some intent staring (for lack of better terminology for the fieldcraft employed here) we finally nailed one of our biggest outstanding targets: a stonking male **Snow-capped Manakin**. Hard to beat this one, and we barely gave a second look to an obliging **White-crested Spadebill** which also decided to perch quietly nearby. Continuing on the overgrown trail we saw a pair of **Musician Wrens** belting out their beautiful songs and also called in a male **Rose-breasted Chat** which Mark was able to film. The trail, a little-used path leading to the Rio Teles Pires, was overgrown beyond its summit and we turned back. Crossing the stream to return to the main trail, Mark was nearly knocked off the precarious log bridge by a **Green-and-rufous Kingfisher** which zipped in hoping to land on the handrail. Francisco nearly succeeded in making me fall into the stream with his goofy antics alone, no kingfishers necessary!

A little later we were looking for some calling **Blue-backed Manakins** when for the second time in three days we heard the unmistakable sounds of a band of **White-lipped Peccaries** nearby in the forest. This time we weren't safely tucked away in an elevated observation hide and instead on foot some ten metres from where the first members of the group began to appear. The pigs appeared to be headed in a different direction however, and our rush of adrenaline was short-lived. And then, of course, it began to rain. We hot-footed it back to the lodge.

During lunch Francisco approached me with an ambitious plan to fulfill our ongoing quest to find trumpeters. I ran the idea by Mark who was agreeable enough, and the plan saw us on the Cacau trail shortly afterwards. Francisco's advice had been: "walk the entire length of the Cacau trail, listening for signs of trumpeters all the way. I'll meet you at the other end in an hour or so." I have birded enough with this man to give him the benefit of any number of doubts, and so we tried it. Recent winds had taken down a few trees along the length of the trail, and more than once we were forced to hack around the resulting mess to find the trail on the other side. We also passed up a couple of possibly promising mixed flocks and saw little of interest other than a family group of White-backed Fire-eyes. Francisco met us at the other end and confirmed that he hadn't found anything either. Fair enough, we'd try another reliable area for the birds. Up to the Serra Nova trail, where once again we came up empty-handed. Dusk was arriving, so we decided on a last ditch effort at the bottom of the Cacau trail, perhaps the best place at Cristalino for trumpeters. Once again, nothing. A nice Long-billed Woodcreeper was new for the trip, but it wasn't a trumpeter.

February 20th: We awoke to a light rain which intensified as we walked to the canopy tower. The rain didn't let up and in fact came down quite hard for a while as we waited atop the upper platform, mostly just chatting and waiting for something of interest to happen by. As it happened the birds only started to move about as the rain died off, and our patience was eventually rewarded with a White-browed Hawk in the distance. A white spot on the horizon puzzled us for a while before resolving itself into a Laughing Falcon. Several species of psittacids were up and about after the rain, and we had eye-level flyby views of Scarlet and Red-and-green Macaws and terrific views of perched White-bellied Parrots. The upper platform is an excellent place to watch swifts, and today we saw Gray-rumped, Pale-rumped, Chapman's and Short-tailed Swift.

Another big canopy flock stopped in the large emergent beside the tower, and we enjoyed spectacular views of a number of species, many of which Mark was able to film: Violaceous Trogon, Paradise Jacamar, Black-girdled Barbet, Chestnut-winged Foliage-gleaner, Slender-billed Xenops, Cinnamon-throated and Lineated Woodcreepers, Yellow-margined Flycatcher, Tooth-billed Wren and Slaty-capped Shrike-Vireos. We closed out another successful tower session with stellar views of a Brown-banded Puffbird which I called in close to sit in the open on a limb mere metres from the platform, right under our noses.

After a final tasty lunch at Cristalino, we boarded the boat and said our goodbyes to the friendly lodge staff. Our final new bird for the trip turned out to be a beautiful pair of **Purple-throated Euphonias** which responded to tape over the sound of the rushing Teles Pires river, showing off in treetops on a small islet. Soon enough the vehicle arrived to take us back to Alta Floresta. We bid Francisco farewell, thanking him for his efforts, particularly for the various strategies and efforts he employed attempting to find us trumpeters. While we were unsuccessful this

time, the obvious dedication and persistence of the local staff is one of the hallmarks of the Cristalino experience and part of what sets this lodge apart from all others in the Amazon basin.

It turned out that we didn't have much time to stop along the way to Alta Floresta, but we stopped for 45 minutes at a *Mauritia* palm swamp where we heard, but did not see **Point-tailed Palmcreeper**. Also here were some **Fork-tailed Palm-Swifts**, **White-eyed Parakeet** and a handful of **Sulphury Flycatchers**. We arrived at the Floresta Amazônica Hotel just before dark, where Mark checked in and later we had a very nice farewell dinner at the on-site restaurant.

February 21st: Last chance for owls in Alta Floresta. With Mark's flight leaving at 6 AM, we had to leave early at 2:30 in the morning to have a chance for owls (targets: Tropical Screech- and Striped Owl) before returning Mark to the hotel in time for a quick shower and a bite to eat. After our first two attempts at these owls were rained out, perhaps we could have determined that we faced an unkind destiny. This morning was mostly dry (rain beginning only as we gave up and returned to the hotel) but certainly very quiet. We only saw a single **Burrowing Owl** and a family of **Capybara** for our efforts. A somewhat inauspicious end to what was certainly a very successful tour – I suppose it was a case of 'C.S.E.' – can't see everything!

Bird List:

The following list reflects our observations from 08 - 20 February 2009. Heard birds are marked with an 'H' while birds only seen by the tour leader are marked with an 'L'.

			_	1	1				1	1		1	· ·		
		Februar	, 8	9	10	11	12	13	14	15	16	17	18	19	20
	TINAMOUS	TINAMIDAE													
1	Great Tinamou	Tinamus major						Н							
2	Cinereous Tinamou	Crypturellus cinereus			Н	н	Н								
3	Little Tinamou	Crypturellus soui	Н			н		Χ							
4	Undulated Tinamou	Crypturellus undulatus								Х		Η		Н	
5	Brazilian Tinamou	Crypturellus strigulosus	Н		Н	Х	Н	Н			Н		Н	Н	
6	Variegated Tinamou	Crypturellus variegatus			Н	Н	Х	Н					Н	Н	
7	Small-billed Tinamou	Crypturellus parvirostris													
8	Tataupa Tinamou	Crypturellus tataupa	Н			Х	Н			Н					
	GREBES	PODICIPEDIDAE													
9	Least Grebe	Tachybaptus dominicus		Х		Х			Х						
	CORMORANTS	PHALACROCORACIDAE													
10	Neotropic Cormorant	Phalacrocorax brasilianus	Х		Х			Х	Х	Х	Х	Х	Х	Х	Х
	ANHINGAS	ANHINGIDAE													
11	Anhinga	Anhinga anhinga			Х				Χ		Х				
	HERONS, EGRETS, & BITTERNS	ARDEIDAE													
12	Capped Heron	Pilherodius pileatus				Х		Χ	Х	Χ		Х			Х
13	Cocoi Heron	Ardea cocoi		Х											
14	Great Egret	Ardea alba	х	Х		Х			Χ	Х					Х
15	Striated Heron	Butorides striata		Х		Х			Х	Χ					
16	Rufescent Tiger-Heron	Tigrisoma lineatum							Χ	Н				Н	
17	Zigzag Heron	Zebrilus undulatus									Н	Χ	Н	Н	
	IBIS AND SPOONBILLS	THRESKIORNITHIDAE													
18	Green Ibis	Mesembrinibis cayennensis	Х	Х	Х					Н	Х	Х	Х		Х
	DUCKS, GEESE, AND SWANS	ANATIDAE													
19	White-faced Whistling-Duck	Dendrocygna viduata		Х											
20	Muscovy Duck	Cairina moschata									Х				
21	Brazilian Teal	Amazonetta brasiliensis		Х		Х			Χ						

	NEW WORLD VULTURES	CATHARTIDAE													
22	Black Vulture	Coragyps atratus	Х	Х	Х	Χ		Χ	Х	Х	Χ	Χ			Х
23	Turkey Vulture	Cathartes aura						Χ							
24	Lesser Yellow-headed Vulture	Cathartes burrovianus	Х	Х					Х						
25	Greater Yellow-headed Vulture	Cathartes melambrotus			Х	Х	Х	Χ	Х	Х	Х	Х	Х		Х
26	King Vulture	Sarcoramphus papa			Х					Χ					
	HAWKS, EAGLES, AND KITES	ACCIPITRIDAE													
27	Hook-billed Kite	Chondrohierax uncinatus	Х	Х											
28	Swallow-tailed Kite	Elanoides forficatus		Χ						Χ			Х		
29	Pearl Kite	Gampsonyx swainsonii	Х	Х					Х						
30	White-tailed Kite	Elanus leucurus		Х											
31	Snail Kite	Rostrhamus sociabilis	Х												Х
32	Plumbeous Kite	Ictinia plumbea								Х					
33	Tiny Hawk	Accipiter superciliosus	Х												
34	Bicolored Hawk	Accipiter bicolor					Х								
35	White-browed Hawk	Leucopternis kuhli	Н												Х
36	White Hawk	Leucopternis albicollis							Χ						
37	Great Black-Hawk	Buteogallus urubitinga												Χ	
38	Roadside Hawk	Buteo magnirostris	Х	Х		Х			Χ						Х
39	Gray Hawk	Buteo nitidus			Χ				Χ						
40	Short-tailed Hawk	Buteo brachyurus		Х											
41	Harpy Eagle	Harpia harpyja	Х	Х						Х					
42	Ornate Hawk-Eagle	Spizaetus omatus		Х		Χ							Н		
	FALCONS AND CARACARAS	FALCONIDAE											1		
43	Black Caracara	Daptrius ater				Н		L	Χ	Χ					Х
44	Red-throated Caracara	Ibycter americanus								Н		Н		Н	
45	Southern Caracara	Caracara plancus		Χ		Χ			Χ						
46	Laughing Falcon	Herpetotheres cachinnans					Х		Χ	Χ					Х
47	Cryptic Forest-Falcon	Micrastur mintoni						Χ			Н			Н	
48	American Kestrel	Falco sparverius		Χ					Χ						
49	Bat Falcon	Falco rufigularis		Χ		Χ		Χ	Χ		Χ	Χ	Н	Χ	Χ
	GUANS AND ALLIES	CRACIDAE													
50	Speckled Chachalaca	Ortalis guttata				Н		Χ							
51	Spix's Guan	Penelope jacquacu				Х	Х								
52	Red-throated Piping-Guan	Pipile cujubi			Χ		Χ	Χ	Χ	Χ	Χ	Χ		Χ	Х
53	Razor-billed Curassow	Mitu tuberosum			Χ					Χ				Χ	
54	Bare-faced Curassow	Crax fasciolata										Χ			
	NEW WORLD QUAIL	ODONTOPHORIDAE					1 1								
55	Marbled Wood-Quail	Odontophorus gujanensis		Н			Н							Н	
	RAILS, GALLINULES, COOTS	RALLIDAE													
56	Gray-breasted Crake	Laterallus exilis	Н	Н											
57	Ash-throated Crake	Porzana albicollis							Χ						
58	Purple Gallinule	Porphyrio martinica		Х		Х			Х						
59	Azure Gallinule	Porphyrio flavirostris		Χ											ш
	SUNBITTERN	EURYPYGIDAE													
60	Sunbittern	Eurypyga helias	Н								Χ	Χ			
	JACANAS	JACANIDAE													
61	Wattled Jacana	Jacana jacana	Χ	Χ		Χ			Χ						Χ
	PLOVERS AND LAPWINGS	CHARADRIIDAE													
62	Southern Lapwing	Vanellus chilensis	Χ	Χ		Х			Χ						Χ
	SANDPIPERS Solitory Condition	SCOLOPACIDAE													
63	Solitary Sandpiper	Tringa solitaria				Х			Χ						
	PIGEONS AND DOVES	COLUMBIDAE													
64	Rock Pigeon (I)	Columba livia							Χ						ш

	Picazuro Pigeon	Patagioenas picazuro	x	x	x	х			х						Х
	Pale-vented Pigeon	Patagioenas cayennensis	X							Х					Х
,	Plumbeous Pigeon	Patagioenas plumbea								Н		Х		Х	Х
3	Ruddy Pigeon	Patagioenas subvinacea	Х		Х		Н				Х	Н			
,	Ruddy Ground-Dove	Columbina talpacoti	х	х	Х	Х			Х						Х
	Scaled Dove	Columbina squammata		Х		Х									
	White-tipped Dove	Leptotila verreauxi							Х						
	Gray-fronted Dove	Leptotila rufaxilla					Х								
	Ruddy Quail-Dove	Geotrygon montana					Х				Х	Н			
•	PARROTS	PSITTACIDAE													
	Hyacinth Macaw	Anodorhynchus hyacinthinus		Х					Х						
	Blue-and-yellow Macaw	Ara ararauna		Х	Х	Х		Х	Х	Х		Х	Х		Х
	Scarlet Macaw	Ara macao	Х	Х	Х	Х	Х	Х	Х	Х		Х			Х
	Red-and-green Macaw	Ara chloropterus	х	Х	Х		Х	Х	Х	Х	Н	Х		Н	Х
	Chestnut-fronted Macaw	Ara severus	х	Х	Х	Х			Х	Х		Х		Н	
	Red-bellied Macaw	Orthopsittaca manilata	х	Х	Х	Х	Х	Х	Х						
	White-eyed Parakeet	Aratinga leucophthalma	Х	Х	Х	Х	Х	Х	Х	Х	Н				Х
	Crimson-bellied Parakeet	Pyrrhura perlata										Х		Х	
	Madeira Parakeet	Pyrrhura snethlage	Х		Х	Х	Х	Х	Х	Х	Х		Х	Н	Х
	Dusky-billed Parrotlet	Forpus sclateri			Х		Х	Х	Х	Х	Н				
	Golden-winged Parakeet	Brotogeris chrysoptera	Н	Х	Х		Н	Х		Н	Н	Н	Х		Н
	Scarlet-shouldered Parrotlet	Touit huetii			Х								Н	Н	
	White-bellied Parrot	Pionites leucogaster				Н	Н	Н	Н	Х	Н			Н	Х
	Orange-cheeked Parrot	Gypopsitta barrabandi												L	
	Bald Parrot	Gypopsitta aurantiocephala			Х		Х	Х							
	Blue-headed Parrot	Pionus menstruus	х	Х	Х	Х	Х	Х	Х	Х	Х	Н	Н	Х	Х
	Yellow-crowned Parrot	Amazona ochrocephala	х							Н		Х			Н
	Kawall's Parrot	Amazona kawalli			Х		Х	Х		Х	Н	Х	Н	Х	
	Orange-winged Parrot	Amazona amazonica	х	Х	Н	Х	Х	Х	Х						Х
	Mealy Parrot	Amazona farinosa	х	Х						Х					
	Red-fan Parrot	Deroptyus accipitrinus	н	Н			Х		Х	Х					Х
,	CUCKOOS	CUCULIDAE	•												
	Squirrel Cuckoo	Piaya cayana	x	Х	Х	Н	Х	Х					Н		
	Black-bellied Cuckoo	Piaya melanogaster								Х			Х		Х
	Smooth-billed Ani	Crotophaga ani	х	Х		Х			Х						Х
	Guira Cuckoo	Guira guira							Х						
	owls	STRIGIDAE													
	Tawny-bellied Screech-Owl	Megascops watsonii	н			Х	Н	Н		н		I			
	Crested Owl	Lophostrix cristata								Н		Η			
	Amazonian Pygmy-Owl	Glaucidium hardyi		Н						Н		Н	Х	Н	Н
	Burrowing Owl	Athene cunicularia		Х		Х			Х						
	POTOOS	NYCTIBIIDAE													
	Common Potoo	Nyctibius griseus								Х		Х			
,	NIGHTJARS	CAPRIMULGIDAE													
	Short-tailed Nighthawk	Lurocalis semitorquatus	х									Х	Х		
	Lesser Nighthawk	Chordeiles acutipennis	Х				Х								
	Common Nighthawk	Chordeiles minor	Х		Х		Х	Х	Х	Х					
	Pauraque	Nyctidromus albicollis			L									Н	
,	Ocellated Poorwill	Nyctiphrynus ocellatus									Н				
	Blackish Nightjar	Caprimulgus nigrescens		L	Х	Н	Х		Х		Х	Н	Х	Н	
	Ladder-tailed Nightjar	Hydropsalis climacocerca								Х		Х			Х
	SWIFTS	APODIDAE	•												
	Sooty Swift	Cypseloides fumigatus		х			Х								
	White-collared Swift	77		<u> </u>			T		Х	Х	1				

440	Gray-rumped Swift	Chaotius sinovaironteis	1		l						_	I		1 1	_
113	Pale-rumped Swift	Chaetura cinereiventris			.,		X				Х				X
114	Chapman's Swift	Chaetura egregia			Х		X								X
115 116	Short-tailed Swift	Chaetura chapmani	Х				X					Х			X
	Fork-tailed Palm-Swift	Chaetura brachyura	^				Х					^			
117	Lesser Swallow-tailed Swift	Tachornis squamata							Н				Х		Х
118	HUMMINGBIRDS	Panyptila cayennensis	Χ										l		
440	White-bearded Hermit	TROCHILIDAE											· ·		
119	Eastern Long-tailed Hermit	Phaethornis hispidus					· ·						Х		
120	Reddish Hermit	Phaethornis superciliosus				Х	Х								
121		Phaethornis ruber	Н	Н	X		V	٧.	· ·		· ·		Х	Н	
122	Tapajos Hermit Gray-breasted Sabrewing	Phaethornis aethopyga			Х		Х	Х	Х		Х		· ·		
123	White-necked Jacobin	Campylopterus largipennis	Х		· ·								Х		
124		Florisuga mellivora			X .										
125	Black-throated Mango	Anthracothorax nigricollis			L										
126	Black-bellied Thorntail	Popelairia langsdorffi			X	.,	.,	.,	.,	.,		.,	.,		
127	Fork-tailed Woodnymph	Thalurania furcata			X	X	X	X	X	Х	Х	Х	Х	Х	
128	Green-tailed Goldenthroat	Polytmus theresiae			Х	Х	Х	Х	Х						
129	Gould's Jewelfront	Polyplancta aurescens										Х			
130	Crimson Topaz	Topaza pella			Х										\vdash
131	Black-eared Fairy	Heliothryx auritus			Х			Х	Х	Х	Х	Х	Х		Х
132	Long-billed Starthroat	Heliomaster longirostris										Х	Χ		
[TROGONS AND QUETZALS	TROGONIDAE													
133	White-tailed Trogon	Trogon viridis	Н	Х	Н	Н		Х							\vdash
134	Violaceous Trogon	Trogon violaceus								Х					Х
135	Collared Trogon	Trogon collaris			Н		Х	Х			Х			Х	\vdash
136	Black-throated Trogon	Trogon rufus												Х	\vdash
137	Blue-crowned Trogon	Trogon curucui		Х			Н	Х							\vdash
138	Black-tailed Trogon	Trogon melanurus		Н			Н	Н							ш
Ī	KINGFISHERS	ALCEDINIDAE											1		
139	Ringed Kingfisher	Megaceryle torquatus	Х							Χ			Х		\vdash
140	Amazon Kingfisher	Chloroceryle amazona	Х	Χ	Х	Χ		Х	Χ	Х	Х	Х			Х
141	Green Kingfisher	Chloroceryle americana			Х		Χ	Χ			Х				\vdash
142	Green-and-rufous Kingfisher	Chloroceryle inda			Х									Χ	\vdash
143	American Pygmy Kingfisher	Chloroceryle aenea									Χ	Χ			ш
Ī	MOTMOTS	MOMOTIDAE											1		
144	Blue-crowned Motmot	Momotus momota		Н	Н		Н	Н	Н					Н	\vdash
145	Rufous Motmot	Baryphthengus martii				Н									ш
ſ	JACAMARS	GALBULIDAE			1		1						1		
146	Brown Jacamar	Brachygalba lugubris			Х										\vdash
147	Blue-cheeked Jacamar	Galbula cyanicollis			Х						Х			Х	\vdash
148	Rufous-tailed Jacamar	Galbula ruficauda	Н		Х		Н			Х					\vdash
149	Bronzy Jacamar	Galbula leucogastra			Х	Н	Н								\vdash
150	Paradise Jacamar	Galbula dea			Х		Х	Х		Х					Х
151	Great Jacamar	Jacamerops aureus											Χ		ш
Ī	PUFFBIRDS	BUCCONIDAE											1		
152	White-necked Puffbird	Notharchus macrorhynchos			Х		Χ								\vdash
153	Brown-banded Puffbird	Notharchus ordii				Н					Н	Х		Н	Х
154	Pied Puffbird	Notharchus tectus			Х		Н								\vdash
155	Spotted Puffbird	Bucco tamatia				Х	Н		Н					\vdash	\vdash
156	Collared Puffbird	Bucco capensis						Х						Н	
157	Striolated Puffbird	Nystalus striolatus		Х											
158	Rufous-necked Puffbird	Malacoptila rufa						Х				Н			
159	Black-fronted Nunbird	Monasa nigrifrons	Х	Х	Х	Х	Х	Χ	Χ	Х	Х	Х		Χ	
160	White-fronted Nunbird	Monasa morphoeus				Χ		Χ		Н			Ì	Х	ı l

162 Blace TOI 163 Good 164 Lett 165 Rece 166 Che	ARBETS ack-girdled Barbet DUCANS ould's Toucanet	CAPITONIDAE Capito dayi		.,											
163 Gou 164 Lett 165 Rec 166 Che	DUCANS			,											
163 Got 164 Lett 165 Rec 166 Che				Χ	Χ	Н		Χ		Χ	Χ				Х
164 Lett 165 Rec 166 Che	ould's Toucanet	RAMPHASTIDAE													
165 Rec 166 Che		Selenidera gouldii				Χ	Н								
166 Che	ttered Aracari	Pteroglossus inscriptus	Х		Χ						Х				
	ed-necked Aracari	Pteroglossus bitorquatus	Х		Χ		Х	Χ		Х				Х	х
167 Cur	estnut-eared Aracari	Pteroglossus castanotis	Х	Х	Χ	Χ		Χ			Х				
107 Cui	ırl-crested Aracari	Pteroglossus beauharnaesii			Χ	Χ				Χ			Χ		Х
168 Cha	annel-billed Toucan	Ramphastos vitellinus			Χ	Х	Х	I	Χ		Х			Х	
169 Wh	nite-throated Toucan	Ramphastos tucanus	Х	Х	I	Х	Х	Χ	H	Х	Х	Х	Χ	Н	Х
WC	OODPECKERS	PICIDAE													
170 Bar	r-breasted Piculet	Picumnus aurifrons			Χ	Х									
171 Yell	llow-tufted Woodpecker	Melanerpes cruentatus	Х	Х	Н			Х	Х	Х	Х				Н
172 Red	ed-stained Woodpecker	Veniliornis affinis			Х		Н	Х		Х	Х				Н
173 Yell	llow-throated Woodpecker	Piculus flavigula			Х	Х								Х	
174 Gol	olden-green Woodpecker	Piculus chrysochloros			Х										
175 Sca	aly-breasted Woodpecker	Celeus grammicus			Х			Х							
176 Che	estnut Woodpecker	Celeus elegans			Х										
177 Cre	eam-colored Woodpecker	Celeus flavus			Х						Н	Х			
178 Rin	nged Woodpecker	Celeus torquatus			Х	Н				Н					
179 Line	neated Woodpecker	Dryocopus lineatus	Х	Х		Х		Х	Х						
180 Rec	ed-necked Woodpecker	Campephilus rubricollis					Н			Х		Х	Н		
	imson-crested Woodpecker	Campephilus melanoleucos								Х					
ov	/ENBIRDS	FURNARIIDAE													
182 Pale	le-breasted Spinetail	Synallaxis albescens				Н			Н						
183 Spe	eckled Spinetail	Cranioleuca gutturata										Н		L	
184 Poi	int-tailed Palmcreeper	Berlepschia rikeri													Н
185 Ruf	fous-tailed Foliage-gleaner	Philydor ruficaudatum				Х					Х				
186 Ruf	ifous-rumped Foliage-gleaner	Philydor erythrocercum										Х		Х	
	estnut-winged Foliage-gleaner	Philydor erythropterum				L								Х	Х
188 Cre	ested Foliage-gleaner	Anabazenops dorsalis						Х							
189 Buf	ff-throated Foliage-gleaner	Automolus ochrolaemus											Χ		
190 Par	ra Foliage-gleaner	Automolus paraensis											Х	Н	
191 Che	estnut-crowned Foliage-gleaner	Automolus rufipileatus						I			Х				
192 Sho	ort-billed Leaftosser	Sclerurus rufigularis													
193 Sle	ender-billed Xenops	Xenops tenuirostris													х
194 Plai	ain Xenops	Xenops minutus										Х		H	
WC	OODCREEPERS	DENDROCOLAPTINAE													
195 Plai	ain-brown Woodcreeper	Dendrocincla fuliginosa					Х								
196 Lon	ng-tailed Woodcreeper	Deconychura longicauda										Х	Χ	Х	
197 Spc	ot-throated Woodcreeper	Deconychura stictolaema										Х			
198 Oliv	vaceous Woodcreeper	Sittasomus griseicapillus			Х	Н						Н			
199 We	edge-billed Woodcreeper	Glyphorynchus spirurus			Х					Х					
200 Lon	ng-billed Woodcreeper	Nasica longirostris												Х	
201 Cin	nnamon-throated Woodcreeper	Dendrexetastes rufigula	Н	Х				Х							Х
202 Rec	ed-billed Woodcreeper	Hylexetastes perrotii			I	Х	Н	I	н					Н	
203 Str	ong-billed Woodcreeper	Xiphocolaptes promeropirhynchus	Н	I											
204 Am	nazonian Barred-Woodcreeper	Dendrocolaptes certhia			Х	Н	Н	Н				Х			
205 Bla	ack-banded Woodcreeper	Dendrocolaptes picumnus			Х	Н	Н								
	ix's Woodcreeper	Xiphorhynchus spixii					Х				Х		Х		Н
207 Ele	egant Woodcreeper	Xiphorhynchus elegans	Х												
208 Stri	riped Woodcreeper	Xiphorhynchus obsoletus			Х							Η		Х	
209 Lafı	fresnaye's Woodcreeper	Xiphorhynchus guttatoides	Н	Н	Н	Х	Х	Н					Н	Н	Н

210	Straight-billed Woodcreeper	Dendroplex picus	х	Н											Х
11	Lineated Woodcreeper	Lepidocolaptes albolineatus								Χ	Х				Х
12	Curve-billed Scythebill	Campylorhamphus procurvoides									Н	Н	Н	Н	
	TYPICAL ANTBIRDS	THAMNOPHILIDAE													
13	Fasciated Antshrike	Cymbilaimus lineatus	Н		Н			Х		Н	Н	Н		Н	
14	Great Antshrike	Taraba major	Н	Н						Н					
15	Glossy Antshrike	Sakesphorus luctuosus	х		Н		Н			Х	Н			Н	
16	Chestnut-backed Antshrike	Thamnophilus palliatus			Х			н		Ι					Н
17	White-shouldered Antshrike	Thamnophilus aethiops	Х										Н		
18	Plain-winged Antshrike	Thamnophilus schistaceus	Х		Н	Н		Н			Н	I	Н	Н	
19	Natterer's Slaty-Antshrike	Thamnophilus stictocephalus							Х				Н		
20	Amazonian Antshrike	Thamnophilus amazonicus					Х								
21	Spot-winged Antshrike	Pygiptila stellaris				Х					Х	Н	Н	Х	
22	Saturnine Antshrike	Thamnomanes saturninus									Х				
23	Cinereous Antshrike	Thamnomanes caesius				Х	Н			Х	Н	Х	Х	Х	
24	Pygmy Antwren	Myrmotherula brachyura			Х	Н	Н	Н		Н	Н	Н	Х		
25	Amazonian Antwren	Myrmotherula multostriata	х		Н		Х	Н		Х					
26	Sclater's Antwren	Myrmotherula sclateri				Х		Н			Н	н			Х
27	Plain-throated Antwren	Myrmotherula hauxwelli	Х			X	Х	н			X			Х	
28	White-eyed Antwren	Myrmotherula leucophthalma	<u> </u>			Х				Х	Н	Х	Х	X	
29	Ornate Antwren	Myrmotherula ornata				^				_^_	-''-	^	X	X	
30	White-flanked Antwren	Myrmotherula axillaris			Х	Х							^	^	
31	Long-winged Antwren	,			^	^						V		Х	
	Gray Antwren	Myrmotherula longipennis								X	Х	Х	X	^	
32	Rufous-winged Antwren	Myrmotherula menetriesii			· ·	· ·						· ·	^		
33	Dot-winged Antwren	Herpsilochmus rufimarginatus			Х	Х	Н				.,	Х		Н	
34		Microrhopias quixensis									Х				
35	White-fringed Antwren Striated Antbird	Formicivora grisea			Н		Н	H .	Н		.,				
36		Drymophila devillei		.,				L		Н	X	Н		Н	
37	Blackish Antbird	Cercomacra nigrescens	+	Х				Н			Н	l			
38	Gray Antbird Manu Antbird	Cercomacra cinerascens	Н			Х				Н	Н	Н	Х		
39		Cercomacra manu						X						.,	
40	White-backed Fire-eye	Pyriglena leuconota						X			Н			Х	
41	White-browed Antbird	Myrmoborus leucophrys			Х			Н			Н	Н	Х		
42	Black-faced Antbird	Myrmoborus myotherinus	Н			Х		Х				Н			
43	Spix's Warbling-Antbird	Hypocnemis cantator striata			Х	Х		Н		Н	Н	Н	Н		
44	Yellow-browed Antbird	Hypocnemis hypoxantha			Н	Х									
45	Band-tailed Antbird	Hypocnemoides maculicauda	Н							Х		Н			
16	Silvered Antbird	Sclateria naevia	Х		L						Н				
47	Spot-winged Antbird	Percnostola leucostigma						Н						Н	
18	Chestnut-tailed Antbird	Myrmeciza hemimelaena		Х											
19	Black-throated Antbird	Myrmeciza atrothorax	Н			Х							Н		
50	Spot-backed Antbird	Hylophylax naevius										Х		Х	
51	Dot-backed Antbird	Hylophylax punctulatus					Н			Н	Х		Н		
52	Scale-backed Antbird	Hylophylax poecilinotus			Н						Х		Х	Х	
53	Bare-eyed Antbird	Rhegmatorhina gymnops											Х		
54	Black-spotted Bare-eye	Phlegopsis nigromaculata				L	Н				Χ		Χ		
	ANTTHRUSHES & ANTPITTAS	FORMICARIIDAE			1						1	1			
55	Rufous-capped Antthrush	Formicarius colma	-								Х				
56	Spotted Antpitta	Hylopezus macularius	-							Х		Н		Н	
57	Amazonian Antpitta	Hylopezus berlepschi	Х												
58	Thrush-like Antpitta	Myrmothera campanisona	-					Н						Н	
59	Variegated Antpitta	Grallaria varia						Н							
	GNATEATERS	CONOPOPHAGIDAE	1		ı		ı	ı			ı	ı		ı	
60	Chestnut-belted Gnateater	Conopophaga aurita	1		l	Х	1		I	Н	Н		Н		

	COTINGAS	COTINGIDAE													
261	White-browed Purpletuft	lodopleura isabellae				Х							Х		
262	Screaming Piha	Lipaugus vociferans	Х	Н	H	Н	Н	I	Н	Х	Х	Н	Х	I	Н
263	Spangled Cotinga	Cotinga cayana	Х		Х	Х				Х					х
264	Pompadour Cotinga	Xipholena punicea	Х				Х								
265	Bare-necked Fruitcrow	Gymnoderus foetidus	Х							Х	Х	Х	Х		х
•	MANAKINS	PIPRIDAE													
266	Band-tailed Manakin	Pipra fasciicauda											Н	Н	
267	Red-headed Manakin	Pipra rubrocapilla			Н	Н	Н			Х	Х		Н	Н	Н
268	Snow-capped Manakin	Lepidothrix nattereri								Н	L		Н	Х	
269	White-crowned Manakin	Dixiphia pipra				Н	Н		Х						
270	Blue-backed Manakin	Chiroxiphia pareola												Н	Н
271	Fiery-capped Manakin	Machaeropterus pyrocephalus		Н			Х								
272	Flame-crested Manakin	Heterocercus linteatus									Х				
273	Dwarf Tyrant-Manakin	Tyranneutes stolzmanni			Н	Х	Н	Н		н	Н	Н	Н		
274	Wing-barred Piprites	Piprites chloris										Х		Н	
275	Greater Schiffornis	Schiffornis major	Н												
276	Thrush-like Schiffornis	Schiffornis turdina			Н	Н	Х	Н	Н	Н	Х		Х	Х	
	TYRANT FLYCATCHERS	TYRANNIDAE													
277	Yellow-crowned Tyrannulet	Tyrannulus elatus		Н	Н	Н	Х	Н		L		Х			Н
278	Forest Elaenia	Myiopagis gaimardii		Н	Н	•	Х	Н		X	Н	Н			
279	Gray Elaenia	Myiopagis caniceps								Х	Н		Н		Х
280	White-lored Tyrannulet	Ornithion inerme			Х	Н		Н					Н		Х
281	Southern Beardless-Tyrannulet	Camptostoma obsoletum										Х			
282	Ringed Antpipit	Corythopis torquatus					Х				Н	Н		н	
283	Slender-footed Tyrannulet	Zimmerius gracilipes								Х					Х
284	Amazonian Tyrannulet	Inezia subflava								X					_^_
285	Short-tailed Pygmy-Tyrant	Myiornis ecaudatus	н	Х									Н		
286	Helmeted Pygmy-Tyrant	Lophotriccus galeatus			Х	Н	Н	Х		Н	Н	Н	Н	н	
287	White-bellied Tody-Tyrant	Hemitriccus griseipectus			Λ	X	Н	Н		- 11	- 11	Н	Н	Х	
288	Spotted Tody-Flycatcher	Todirostrum maculatum				^	- ' '	Х		Н		- ' '	- 11	_^_	
289	Yellow-olive Flycatcher	Tolmomyias sulphurescens						^					Х		
290	Yellow-margined Flycatcher	Tolmomyias assimilis				Х				Н		Н	^		Х
291	Gray-crowned Flycatcher	Tolmomyias poliocephalus			Н		Н				1				_^_
292	Yellow-breasted Flycatcher	Tolmomyias flaviventris			н	Н		Н	Н		_		Н		
293	White-crested Spadebill	Platyrinchus platyrhynchos				-''-			- 11				- 11	Х	
294	Sulphur-rumped Flycatcher	Myiobius barbatus											Х	_^_	
295	Ruddy-tailed Flycatcher	Terenotriccus erythrurus			Н	Х	Н			Х					
296	Euler's Flycatcher	Lathrotriccus euleri								Λ		Х		н	
297	Olive-sided Flycatcher	Contopus cooperi						Х							
298	Drab Water-Tyrant	Ochthornis littoralis								Х					Х
299	Long-tailed Tyrant	Colonia colonus						Х							
300	Piratic Flycatcher	Legatus leucophaius	Х		Х			Х	Н	Х					
301	Rusty-margined Flycatcher	Myiozetetes cayanensis	Х	Х	Х	Х	Х	Х	Х	Х	Х		Х		Х
302	Social Flycatcher	Myiozetetes similis	Х					Λ.							
303	Dusky-chested Flycatcher	Myiozetetes luteiventris	^		Х		Н								
304	Great Kiskadee	Pitangus sulphuratus	Н	Х		Х			Х						
305	Lesser Kiskadee	Philohydor lictor	Х	X											Н
306	Sulphury Flycatcher	Tyrannopsis sulphurea						Х							Х
307	Crowned Slaty Flycatcher	Griseotyrannus aurantioatrocristatus						^		Х					X
308	Tropical Kingbird	Tyrannus melancholicus	Х	Х					Х	X	Х	Х	Х		^
309	Grayish Mourner	Rhytipterna simplex	^	^		Х	Н	Н	^	^	Н	^	Н	н	
310	Pale-bellied Mourner	Rhytipterna immunda				_^	Н	11	Х		- 11		11	- 11	
311	Dusky-capped Flycatcher	•					17		^			Х			
JII	Daviny ouppout hyoutonich	Myiarchus tuberculifer										^			ш

0.40	Short areated Elypotehor	l.,.,	Ī		ĺ		ĺ				l				
312	Short-crested Flycatcher	Myiarchus ferox											-	H	
313	Large-headed Flatbill	Ramphotrigon megacephalum						Х			X		Н	Н	
314	Rufous-tailed Flatbill Cinnamon Attila	Ramphotrigon ruficauda	l			Х	Х				Н			Н	
315	Bright-rumped Attila	Attila cinnamomeus	Х							Н				Н	
316		Attila spadiceus			Н						Н			\vdash	Н
317	Cinereous Mourner	Laniocera hypopyrra	l		.,					.,			Х	\vdash	
318	Masked Tityra	Tityra semifasciata	Х		Х		Н	Х	L	Х				\vdash	Х
319	Black-crowned Tityra	Tityra inquisitor						Х						\vdash	
321	Chestnut-crowned Becard	Pachyramphus castaneus						Х						\vdash	
322	White-winged Becard	Pachyramphus polychopterus				Н								\vdash	
323	Black-capped Becard	Pachyramphus marginatus									L		İ		Н
	SWALLOWS	HIRUNDINIDAE													
324	White-winged Swallow	Tachycineta albiventer		Х	Х			Х		X	Х			\vdash	Х
325	Purple Martin	Progne subis		Х										\vdash	
326	Gray-breasted Martin	Progne chalybea		Х										\vdash	Х
327	White-banded Swallow	Atticora fasciata			Х			Х	Χ	Χ	Х	Х	Χ	\vdash	
328	White-thighed Swallow	Neochelidon tibialis	-					Х	Χ					\vdash	
329	Southern Rough-winged Swallow	Stelgidopteryx ruficollis	Χ	Χ			Χ		Χ		Χ				
ĺ	WRENS	TROGLODYTIDAE	1		1	1	1								
330	Black-capped Donacobius	Donacobius atricapilla		Н					Χ					\vdash	
331	Thrush-like Wren	Campylorhynchus turdinus	Н	Χ				Н						$\vdash \vdash$	
332	Tooth-billed Wren	Odontorchilus cinereus								Χ					Х
333	Moustached Wren	Thryothorus genibarbis						Χ			Н		Н	Н	
334	Buff-breasted Wren	Thryothorus leucotis	Х		Н		Н		Н	Χ					Н
335	House Wren	Troglodytes aedon	Х	Х				Н	Х	Н					
336	Musician Wren	Cyphorhinus arada				Χ								Х	
1	THRUSHES	TURDIDAE	1			ı									
337	Hauxwell's Thrush	Turdus hauxwelli												Н	
			•												
	GNATCATCHERS	POLIOPTILIDAE													
338	GNATCATCHERS Long-billed Gnatwren	POLIOPTILIDAE Ramphocaenus melanurus			Х		Н	Н			Х	Н	Н	Н	
338 339					Х	х	Н	Н			Х	Н	Н	Н	
	Long-billed Gnatwren	Ramphocaenus melanurus			Х	Х	Н	Н			Х	Н	Н	Н	
	Long-billed Gnatwren Guianan Gnatcatcher	Ramphocaenus melanurus Polioptila guianensis			X	X	Н	Н	X		Х	Н	Н	Н	
339	Long-billed Gnatwren Guianan Gnatcatcher CROWS, JAYS, AND MAGPIES	Ramphocaenus melanurus Polioptila guianensis CORVIDAE			X	<u> </u>		Н	X		X	Н	Н	Н	
339	Long-billed Gnatwren Guianan Gnatcatcher CROWS, JAYS, AND MAGPIES Plush-crested Jay	Ramphocaenus melanurus Polioptila guianensis CORVIDAE Cyanocorax chrysops			X	<u> </u>		Н	X	X	X	н	Н	H	
339	Long-billed Gnatwren Guianan Gnatcatcher CROWS, JAYS, AND MAGPIES Plush-crested Jay VIREOS AND ALLIES	Ramphocaenus melanurus Polioptila guianensis CORVIDAE Cyanocorax chrysops VIREONIDAE			X	х		Н	X	X	X	Н	Н	Н	
339 340 341	Long-billed Gnatwren Guianan Gnatcatcher CROWS, JAYS, AND MAGPIES Plush-crested Jay VIREOS AND ALLIES Red-eyed Vireo	Ramphocaenus melanurus Polioptila guianensis CORVIDAE Cyanocorax chrysops VIREONIDAE Vireo olivaceus				х	X	Н	X		Х	Н	Н	Н	
340 341 342	Long-billed Gnatwren Guianan Gnatcatcher CROWS, JAYS, AND MAGPIES Plush-crested Jay VIREOS AND ALLIES Red-eyed Vireo Gray-chested Greenlet	Ramphocaenus melanurus Polioptila guianensis CORVIDAE Cyanocorax chrysops VIREONIDAE Vireo olivaceus Hylophilus semicinereus				Х	X	Н	X				Н		
339 340 341 342 343	Long-billed Gnatwren Guianan Gnatcatcher CROWS, JAYS, AND MAGPIES Plush-crested Jay VIREOS AND ALLIES Red-eyed Vireo Gray-chested Greenlet Dusky-capped Greenlet	Ramphocaenus melanurus Polioptila guianensis CORVIDAE Cyanocorax chrysops VIREONIDAE Vireo olivaceus Hylophilus semicinereus Hylophilus hypoxanthus				Х	X	H	x		Н	Н		Н	
340 341 342 343 344	Long-billed Gnatwren Guianan Gnatcatcher CROWS, JAYS, AND MAGPIES Plush-crested Jay VIREOS AND ALLIES Red-eyed Vireo Gray-chested Greenlet Dusky-capped Greenlet Tawny-crowned Greenlet	Ramphocaenus melanurus Polioptila guianensis CORVIDAE Cyanocorax chrysops VIREONIDAE Vireo olivaceus Hylophilus semicinereus Hylophilus hypoxanthus Hylophilus ochraceiceps	Н	Н		Х	X		×		Н	Н		H	
340 341 342 343 344 345	Long-billed Gnatwren Guianan Gnatcatcher CROWS, JAYS, AND MAGPIES Plush-crested Jay VIREOS AND ALLIES Red-eyed Vireo Gray-chested Greenlet Dusky-capped Greenlet Tawny-crowned Greenlet Slaty-capped Shrike-Vireo	Ramphocaenus melanurus Polioptila guianensis CORVIDAE Cyanocorax chrysops VIREONIDAE Vireo olivaceus Hylophilus semicinereus Hylophilus hypoxanthus Hylophilus ochraceiceps Vireolanius leucotis	Н	Н	X	Х	X		X	Н	Н	Н		H	
340 341 342 343 344 345 346	Long-billed Gnatwren Guianan Gnatcatcher CROWS, JAYS, AND MAGPIES Plush-crested Jay VIREOS AND ALLIES Red-eyed Vireo Gray-chested Greenlet Dusky-capped Greenlet Tawny-crowned Greenlet Slaty-capped Shrike-Vireo Rufous-browed Peppershrike SISKINS AND ALLIES	Ramphocaenus melanurus Polioptila guianensis CORVIDAE Cyanocorax chrysops VIREONIDAE Vireo olivaceus Hylophilus semicinereus Hylophilus hypoxanthus Hylophilus ochraceiceps Vireolanius leucotis Cyclarhis gujanensis FRINGILLIDAE	н	Н	X	Х	X		x	Н	Н	Н		H	
340 341 342 343 344 345	Long-billed Gnatwren Guianan Gnatcatcher CROWS, JAYS, AND MAGPIES Plush-crested Jay VIREOS AND ALLIES Red-eyed Vireo Gray-chested Greenlet Dusky-capped Greenlet Tawny-crowned Greenlet Slaty-capped Shrike-Vireo Rufous-browed Peppershrike	Ramphocaenus melanurus Polioptila guianensis CORVIDAE Cyanocorax chrysops VIREONIDAE Vireo olivaceus Hylophilus semicinereus Hylophilus hypoxanthus Hylophilus ochraceiceps Vireolanius leucotis Cyclarhis gujanensis FRINGILLIDAE Euphonia chlorotica		Н	X	X H	X	X	x	Н	Н	Н	x	H	Х
340 341 342 343 344 345 346 347 348	Long-billed Gnatwren Guianan Gnatcatcher CROWS, JAYS, AND MAGPIES Plush-crested Jay VIREOS AND ALLIES Red-eyed Vireo Gray-chested Greenlet Dusky-capped Greenlet Tawny-crowned Greenlet Slaty-capped Shrike-Vireo Rufous-browed Peppershrike SISKINS AND ALLIES Purple-throated Euphonia White-lored Euphonia	Ramphocaenus melanurus Polioptila guianensis CORVIDAE Cyanocorax chrysops VIREONIDAE Vireo olivaceus Hylophilus semicinereus Hylophilus hypoxanthus Hylophilus ochraceiceps Vireolanius leucotis Cyclarhis gujanensis FRINGILLIDAE Euphonia chlorotica Euphonia chrysopasta	Н	Н	X	H H	H		x	Н	Н	Н		H	Н
340 341 342 343 344 345 346 347 348 349	Long-billed Gnatwren Guianan Gnatcatcher CROWS, JAYS, AND MAGPIES Plush-crested Jay VIREOS AND ALLIES Red-eyed Vireo Gray-chested Greenlet Dusky-capped Greenlet Tawny-crowned Greenlet Slaty-capped Shrike-Vireo Rufous-browed Peppershrike SISKINS AND ALLIES Purple-throated Euphonia White-lored Euphonia	Ramphocaenus melanurus Polioptila guianensis CORVIDAE Cyanocorax chrysops VIREONIDAE Vireo olivaceus Hylophilus semicinereus Hylophilus hypoxanthus Hylophilus ochraceiceps Vireolanius leucotis Cyclarhis gujanensis FRINGILLIDAE Euphonia chlorotica Euphonia chrysopasta Euphonia xanthogaster		Н	X H	H H	X	X	x	H	Н	Н	X	H	X X
340 341 342 343 344 345 346 347 348	Long-billed Gnatwren Guianan Gnatcatcher CROWS, JAYS, AND MAGPIES Plush-crested Jay VIREOS AND ALLIES Red-eyed Vireo Gray-chested Greenlet Dusky-capped Greenlet Tawny-crowned Greenlet Slaty-capped Shrike-Vireo Rufous-browed Peppershrike SISKINS AND ALLIES Purple-throated Euphonia White-lored Euphonia Orange-bellied Euphonia	Ramphocaenus melanurus Polioptila guianensis CORVIDAE Cyanocorax chrysops VIREONIDAE Vireo olivaceus Hylophilus semicinereus Hylophilus hypoxanthus Hylophilus ochraceiceps Vireolanius leucotis Cyclarhis gujanensis FRINGILLIDAE Euphonia chlorotica Euphonia chrysopasta Euphonia rufiventris		Н	X	H H	H	X	x	Н	Н	Н	x	H	Х
340 341 342 343 344 345 346 347 348 349 350	Long-billed Gnatwren Guianan Gnatcatcher CROWS, JAYS, AND MAGPIES Plush-crested Jay VIREOS AND ALLIES Red-eyed Vireo Gray-chested Greenlet Dusky-capped Greenlet Tawny-crowned Greenlet Slaty-capped Shrike-Vireo Rufous-browed Peppershrike SISKINS AND ALLIES Purple-throated Euphonia White-lored Euphonia Orange-bellied Euphonia Rufous-bellied Euphonia NEW WORLD WARBLERS	Ramphocaenus melanurus Polioptila guianensis CORVIDAE Cyanocorax chrysops VIREONIDAE Vireo olivaceus Hylophilus semicinereus Hylophilus hypoxanthus Hylophilus ochraceiceps Vireolanius leucotis Cyclarhis gujanensis FRINGILLIDAE Euphonia chlorotica Euphonia chrysopasta Euphonia xanthogaster Euphonia rufiventris PARULIDAE		Н	X H	H H	H	X		H	Н	Н	X	H	X X
340 341 342 343 344 345 346 347 348 349 350	Long-billed Gnatwren Guianan Gnatcatcher CROWS, JAYS, AND MAGPIES Plush-crested Jay VIREOS AND ALLIES Red-eyed Vireo Gray-chested Greenlet Dusky-capped Greenlet Tawny-crowned Greenlet Slaty-capped Shrike-Vireo Rufous-browed Peppershrike SISKINS AND ALLIES Purple-throated Euphonia White-lored Euphonia Orange-bellied Euphonia Rufous-bellied Euphonia NEW WORLD WARBLERS Masked Yellowthroat	Ramphocaenus melanurus Polioptila guianensis CORVIDAE Cyanocorax chrysops VIREONIDAE Vireo olivaceus Hylophilus semicinereus Hylophilus hypoxanthus Hylophilus ochraceiceps Vireolanius leucotis Cyclarhis gujanensis FRINGILLIDAE Euphonia chlorotica Euphonia chrysopasta Euphonia xanthogaster Euphonia rufiventris PARULIDAE Geothlypis aequinoctialis			X H	H H X	H	X	x	H	Н	Н	X	H H H	X X
340 341 342 343 344 345 346 347 348 349 350	Long-billed Gnatwren Guianan Gnatcatcher CROWS, JAYS, AND MAGPIES Plush-crested Jay VIREOS AND ALLIES Red-eyed Vireo Gray-chested Greenlet Dusky-capped Greenlet Tawny-crowned Greenlet Slaty-capped Shrike-Vireo Rufous-browed Peppershrike SISKINS AND ALLIES Purple-throated Euphonia White-lored Euphonia Orange-bellied Euphonia Rufous-bellied Euphonia NEW WORLD WARBLERS Masked Yellowthroat Rose-breasted Chat	Ramphocaenus melanurus Polioptila guianensis CORVIDAE Cyanocorax chrysops VIREONIDAE Vireo olivaceus Hylophilus semicinereus Hylophilus hypoxanthus Hylophilus ochraceiceps Vireolanius leucotis Cyclarhis gujanensis FRINGILLIDAE Euphonia chlorotica Euphonia chrysopasta Euphonia rufiventris PARULIDAE Geothlypis aequinoctialis Granatellus pelzelni		Н	X H	H H	H	X		H	Н	Н	X	H	X X
340 341 342 343 344 345 346 347 348 349 350 351 352	Long-billed Gnatwren Guianan Gnatcatcher CROWS, JAYS, AND MAGPIES Plush-crested Jay VIREOS AND ALLIES Red-eyed Vireo Gray-chested Greenlet Dusky-capped Greenlet Tawny-crowned Greenlet Slaty-capped Shrike-Vireo Rufous-browed Peppershrike SISKINS AND ALLIES Purple-throated Euphonia White-lored Euphonia Orange-bellied Euphonia Rufous-bellied Euphonia NEW WORLD WARBLERS Masked Yellowthroat Rose-breasted Chat BANANAQUIT	Ramphocaenus melanurus Polioptila guianensis CORVIDAE Cyanocorax chrysops VIREONIDAE Vireo olivaceus Hylophilus semicinereus Hylophilus hypoxanthus Hylophilus ochraceiceps Vireolanius leucotis Cyclarhis gujanensis FRINGILLIDAE Euphonia chlorotica Euphonia chrysopasta Euphonia rufiventris PARULIDAE Geothlypis aequinoctialis Granatellus pelzelni COEREBIDAE			H H X X	H H X H	H H	x		H H X	Н	Н	X	H H H	X X
340 341 342 343 344 345 346 347 348 349 350	Long-billed Gnatwren Guianan Gnatcatcher CROWS, JAYS, AND MAGPIES Plush-crested Jay VIREOS AND ALLIES Red-eyed Vireo Gray-chested Greenlet Dusky-capped Greenlet Tawny-crowned Greenlet Slaty-capped Shrike-Vireo Rufous-browed Peppershrike SISKINS AND ALLIES Purple-throated Euphonia White-lored Euphonia Orange-bellied Euphonia Rufous-bellied Euphonia Rufous-bellied Euphonia NEW WORLD WARBLERS Masked Yellowthroat Rose-breasted Chat BANANAQUIT Bananaquit	Ramphocaenus melanurus Polioptila guianensis CORVIDAE Cyanocorax chrysops VIREONIDAE Vireo olivaceus Hylophilus semicinereus Hylophilus hypoxanthus Hylophilus ochraceiceps Vireolanius leucotis Cyclarhis gujanensis FRINGILLIDAE Euphonia chlorotica Euphonia chrysopasta Euphonia xanthogaster Euphonia rufiventris PARULIDAE Geothlypis aequinoctialis Granatellus pelzelni COEREBIDAE Coereba flaveola			X H	H H X	H	X		H	Н	Н	X	H H H	X X
340 341 342 343 344 345 346 347 348 349 350 351 352	Long-billed Gnatwren Guianan Gnatcatcher CROWS, JAYS, AND MAGPIES Plush-crested Jay VIREOS AND ALLIES Red-eyed Vireo Gray-chested Greenlet Dusky-capped Greenlet Tawny-crowned Greenlet Slaty-capped Shrike-Vireo Rufous-browed Peppershrike SISKINS AND ALLIES Purple-throated Euphonia White-lored Euphonia Orange-bellied Euphonia Rufous-bellied Euphonia NEW WORLD WARBLERS Masked Yellowthroat Rose-breasted Chat BANANAQUIT Bananaquit TANAGERS AND ALLIES	Ramphocaenus melanurus Polioptila guianensis CORVIDAE Cyanocorax chrysops VIREONIDAE Vireo olivaceus Hylophilus semicinereus Hylophilus hypoxanthus Hylophilus ochraceiceps Vireolanius leucotis Cyclarhis gujanensis FRINGILLIDAE Euphonia chlorotica Euphonia chrysopasta Euphonia rufiventris PARULIDAE Geothlypis aequinoctialis Granatellus pelzelni COEREBIDAE Coereba flaveola THRAUPIDAE			H H X X	H H X H	H H	x x x x		H H X	Н	Н	X	H H H	X X
340 341 342 343 344 345 346 347 348 349 350 351 352	Long-billed Gnatwren Guianan Gnatcatcher CROWS, JAYS, AND MAGPIES Plush-crested Jay VIREOS AND ALLIES Red-eyed Vireo Gray-chested Greenlet Dusky-capped Greenlet Tawny-crowned Greenlet Slaty-capped Shrike-Vireo Rufous-browed Peppershrike SISKINS AND ALLIES Purple-throated Euphonia White-lored Euphonia Orange-bellied Euphonia Rufous-bellied Euphonia Rufous-bellied Euphonia NEW WORLD WARBLERS Masked Yellowthroat Rose-breasted Chat BANANAQUIT Bananaquit TANAGERS AND ALLIES Magpie Tanager	Ramphocaenus melanurus Polioptila guianensis CORVIDAE Cyanocorax chrysops VIREONIDAE Vireo olivaceus Hylophilus semicinereus Hylophilus hypoxanthus Hylophilus nypoxanthus Cyclarhis gujanensis FRINGILLIDAE Euphonia chlorotica Euphonia chrysopasta Euphonia rufiventris PARULIDAE Geothlypis aequinoctialis Granatellus pelzelni COEREBIDAE Coereba flaveola THRAUPIDAE Cissopis leverianus	X		H H X X	H H X H	H H	x		H H X X	HX	н н	x	H H H	х х х
340 341 342 343 344 345 346 347 348 349 350 351 352	Long-billed Gnatwren Guianan Gnatcatcher CROWS, JAYS, AND MAGPIES Plush-crested Jay VIREOS AND ALLIES Red-eyed Vireo Gray-chested Greenlet Dusky-capped Greenlet Tawny-crowned Greenlet Slaty-capped Shrike-Vireo Rufous-browed Peppershrike SISKINS AND ALLIES Purple-throated Euphonia White-lored Euphonia Orange-bellied Euphonia Rufous-bellied Euphonia NEW WORLD WARBLERS Masked Yellowthroat Rose-breasted Chat BANANAQUIT Bananaquit TANAGERS AND ALLIES	Ramphocaenus melanurus Polioptila guianensis CORVIDAE Cyanocorax chrysops VIREONIDAE Vireo olivaceus Hylophilus semicinereus Hylophilus hypoxanthus Hylophilus ochraceiceps Vireolanius leucotis Cyclarhis gujanensis FRINGILLIDAE Euphonia chlorotica Euphonia chrysopasta Euphonia rufiventris PARULIDAE Geothlypis aequinoctialis Granatellus pelzelni COEREBIDAE Coereba flaveola THRAUPIDAE			H H X X	H H X H	H H	x x x x		H H X	Н	Н	X	H H H	X X

357	Flame-crested Tanager	Tachyphonus cristatus	Ī	х		х		х		х			х	х	х
358	White-shouldered Tanager	Tachyphonus luctuosus	Х												
359	White-lined Tanager	Tachyphonus rufus		Х											
360	Red-shouldered Tanager	Tachyphonus phoenicius			Х										
361	Red-crowned Ant-Tanager	Habia rubica									Х		Х		
362	Silver-beaked Tanager	Ramphocelus carbo	Х	L	Х	Х		Х		Х					Х
363	Blue-gray Tanager	Thraupis episcopus		X		L				Х					
364	Palm Tanager	Thraupis palmarum	Х	Х	Х	Х	Х	Х	Х	Х					Х
365	Turquoise Tanager	Tangara mexicana			Х			Х				Х			Х
366	Paradise Tanager	Tangara chilensis			Х				Х						
367	Green-and-gold Tanager	Tangara schrankii			Х	Х		Х					Х		
368	Bay-headed Tanager	Tangara gyrola			Х	Н				Н		Х	Х		
369	Blue-necked Tanager	Tangara cyanicollis						Х							
370	Masked Tanager	Tangara nigrocincta			L					Х	Х	Х			Х
371	Opal-rumped Tanager	Tangara velia			X			Х							Х
372	Black-faced Dacnis	Dacnis lineata			Х			L		Х					Х
373	Yellow-bellied Dacnis	Dacnis flaviventer	Х												
374	Blue Dacnis	Dacnis cayana			Х	Х				Х			Х		Х
375	Green Honeycreeper	Chlorophanes spiza						Х							
376	Short-billed Honeycreeper	Cyanerpes nitidus			Х										
377	Purple Honeycreeper	Cyanerpes caeruleus			Х		Х								Х
378	Swallow-Tanager	Tersina viridis			Х					Х		Х			Х
•	EMBERIZID FINCHES	EMBERIZIDAE													
379	Blue-black Grassquit	Volatinia jacarina	Х	Х	Х	Х	Х		Х						Х
380	Slate-colored Seedeater	Sporophila schistacea						Х							
381	Yellow-bellied Seedeater	Sporophila nigricollis		Х					Х						
382	Chestnut-bellied Seed-Finch	Oryzoborus angolensis	Н	Н					Х						
383	Red-capped Cardinal	Paroaria gularis	L		Х		Х	Х	Х	Х					
384	Pectoral Sparrow	Arremon taciturnus								Н	Х	Η			
385	Grassland Sparrow	Ammodramus humeralis		Х		Н			Χ						х
386	Rufous-collared Sparrow	Zonotrichia capensis		Х		Х			Х						
	SALTATORS AND ALLIES	CARDINALIDAE													
387	Grayish Saltator	Saltator coerulescens								L					
388	Buff-throated Saltator	Saltator maximus				Н		Χ							
389	Slate-colored Grosbeak	Saltator grossus			Н		Н	Н				Н	Х		
390	Yellow-shouldered Grosbeak	Parkerthraustes humeralis						Х					Х		
391	Blue-black Grosbeak	Cyanocompsa cyanoides						Х						Н	
ī	TROUPIALS AND ALLIES	ICTERIDAE													
392	Red-breasted Blackbird	Sturnella militaris							Х						
393	Giant Cowbird	Molothrus oryzivorus		Х											
394	Epaulet Oriole	Icterus cayanensis						Х		Х			Х		Х
395	Yellow-rumped Cacique	Cacicus cela	Х	Х	Х	Х	Х	Х	Х						
396	Red-rumped Cacique	Cacicus haemorrhous			Х						Н	Н		Н	Н
397	Crested Oropendola	Psarocolius decumanus	Х	Х											Х
398	Amazonian Oropendola	Gymnostinops bifasciatus			Χ			Χ		Χ	Χ	Х			

OTHER SIGHTINGS:

Guianan Squirrel

Nine-banded Armadillo Emilia's Marmoset Brown Capuchin Spix's Night Monkey Dusky Titi Monkey White-nosed Bearded Saki Red-handed Howler White-cheeked Spider Monkey

Dasypus novemcinctus
Callithrix emiliae
Cebus apella
Aotus vociferans
Callicebus moloch
Chiropotes albinasus
Alouatta belzebul
Ateles marginatus
Sciurus aestuans

Capybara
Azara's Agouti
Red-rumped Agouti
Paca
Greater Bulldog Bat
Ocelot
Neotropical Otter
White-lipped Peccary

Spectacled Caiman Yellow-footed Tortoise Western Twist-necked Turtle Smooth-sided Toad Amazon Horned Frog Spot-legged Poison Frog Common Cat-eyed Snake Velvety Swamp Snake Amazon Racerunner Hydrochoerus hydrochaeris Dasyprocta azarae Dasyprocta leporina Cuniculus paca Noctilio leporinus Leopardus pardalis Lontra longicaudis Tayassu pecari



Bicolored Hawk (Accipiter bicolor)



Kawall's Amazon (Amazona kawalli)



White-eyed Parakeet (Aratinga leucophthalma)



Red-billed Pied Tanager (Lamprospiza melanoleuca)



Blackish Nightjar (Caprimulgus nigrescens)



Red-necked Araçari (Pteroglossus bitorquatus)



Zigzag Heron (Zebrilus undulatus), photographed with a 3x zoom point and shoot camera!



Harpy Eagle (Harpia harpyja)





Harpy Eagle (Harpia harpyja), Rio Santa Helena, MT