

Costa Rica Summer Birding | Species List

July 21 – 30, 2023 | with Naturalist Journeys



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Compiled by Robert Gallardo

Summary: A group of eleven clients, plus Robert and the local guide Johan, explored various forested and wetlands habitats centered around north-central and a Pacific coastal area of Costa Rica. The trip was set up to explore the diverse avifauna of the country as well as search for a variety of mammals and other fauna. It was the beginning of the rainy season so we had mostly intermittent rains. Hikes, combined with several boat rides, and roadside bird watching, revealed a nice mixture of fauna. We also scratched the surface on botany and some relationships with birds and butterflies. We would end up finding a nice assortment of the more common and expected species, but also see some regional rarities such as the Black-hooded Antshrike, Streak-breasted Treehunter, Ruddy Treerunner, Three-wattled Bellbird, and the Coppery-headed Emerald, a country endemic, just to name a few.

(HO)= heard only (RE)=regional endemic

BIRDS (281 species recorded, of which 19 were heard only):

DUCKS, GEESE, AND SWANS: Anatidae — (2)

Black-bellied Whistling-Duck *Dendrocygna autumnalis*— Fair numbers seen in and around Caño Negro Refuge. Two seen along the Tarcoles River during the boat ride. A few were also seen in the vicinity of Cerro Lodge.

Muscovy Duck *Cairina moschata*— Several females seen during the boat ride at Caño Negro Refuge. Two seen along the Tarcoles River during the boat ride.

GUANS AND CURASSOWS: Cracidae— (4)

Gray-headed Chachalaca *Ortalis cinereiceps*—A small flock seen along the road below the Arenal Observatory Lodge. A small flock was seen in the courtyard at the hotel in Monteverde.

Crested Guan *Penelope purpurascens*—Heard each morning before dawn behind the rooms at Arenal Observatory Lodge. One seen along the trail at the Children’s Eternal Rainforest. Two more were seen at fairly close range in the Monteverde Reserve.

Black Guan (RE) *Chamaepetes unicolor*—Two seen in a scope while perched high at the Monteverde Reserve.

Great Curassow *Crax rubra*—Several around, and on, the fruit feeder outside the restaurant at Arenal Observatory Lodge. A very tame female was also seen at close range as it sunned itself along a forest trail at same locale.

PIGEONS AND DOVES: Columbidae — (13)

Rock Pigeon (I) *Columba livia*—A few seen at a gas station en route to Caño Negro. A few seen en route from Monteverde to Cerro Lodge.

Pale-vented Pigeon *Patagioenas cayennensis*—A couple seen perched on wires en route from H. Bougainvillea to Arenal.

Red-billed Pigeon *Patagioenas flavirostris*—Several seen inside the gardens at H. Bougainvillea. Several seen at the butterfly garden parking lot in Monteverde. Small numbers seen along the Pacific Coast at different sites.

Band-tailed Pigeon *Patagioenas fasciata*—Several seen in the Curicancha Reserve.

Ruddy Pigeon *Patagioenas subvinacea*—Two seen at close range in the Monteverde Reserve.

Short-billed Pigeon *Patagioenas nigrirostris*—(HO) during the walk in Carara N.P.

Inca Dove *Columbinainca*—Seen by some in the gardens at H. Bougainvillea. Several seen around the Cerro Lodge area.

Common Ground Dove *Columbina passerina*— One seen along the road near the Caño Negro Refuge and another near Cerro Lodge.

Ruddy Ground Dove *Columbina talpacoti*— Many seen along the road near the Caño Negro Refuge. One seen during the boat ride on the Tarcoles River. Several seen around the Cerro Lodge area.

Ruddy Quail-Dove *Geotrygon montana*—One flushed up from the trail at Carara N.P.

White-tipped Dove *Leptotilaverreauxi*—One seen inside the gardens at H. Bougainvillea. Also, seen on the grounds of Cerro Lodge.

Gray-chested Dove *Leptotila cassinii*—One walking along the trail at La Selva Biological Station.

White-winged Dove *Zenaida asiatica*—Small numbers around H. Bougainvillea and as we left the hotel. Small numbers around the Cerro Lodge area.

CUCKOOS AND ALLIES: Cuculidae— (3)

Groove-billed Ani *Crotophaga sulcirostris*—Several seen in a cattle pasture near Arenal Observatory Lodge on Day 3. Small numbers seen near the Caño Negro Refuge. Small numbers also seen around the Cerro Lodge area.

Striped Cuckoo *Tapera naevia*—One heard then spotted by Johan at the end of the boat ride on the Tarcoles River. Another just heard along a road below Cerro Lodge.

Squirrel Cuckoo *Piaya cayana*—At least two seen on the grounds of H. Bougainvillea on Days 1 & 2. Also observed in front of the hotel in Monteverde. Another one spotted by our driver, Alejandro, in the lower foothills of Carara N.P.

POTOOS: Nyctibiidae— (1)

Great Potoo *Nyctibius grandis*— One seen on a private property after we left the Caño Negro Refuge.

SWIFTS: Apodidae — (2)

White-collared Swift *Streptoprocne ezonaris*—A very large flock seen on the outskirts of La Fortuna while we stopped for ice cream. Smaller numbers seen during the boat ride across Arenal Lake.

Gray-rumped Swift *Chaetura cinereiventris*—Small numbers observed during our walk at the La Selva Biological Station and around Arenal Observatory Lodge.

HUMMINGBIRDS: Trochilidae — (18)

White-necked Jacobin *Florisuga mellivora*—A young male was seen feeding on Firebush at the entrance of La Selva Biol. Station.

Green Hermit *Phaethornis guy*—One observed by some at Arenal Observatory Lodge. Another observed several times at the feeders at the Monteverde Reserve. Another seen feeding on Heliconia at the Santa Elena Reserve.

Stripe-throated Hermit *Phaethornis striigularis*—One briefly seen feeding on *Costus* at La Selva Biol. Station. Seen several times feeding on Porterweed at Arenal Observ. Lodge.

Lesser Violetear *Colibri cyanotus*—The most common species at the Monteverde and Curicancha Reserves. It consistently chased away most other hummingbirds. One briefly seen on the grounds of our hotel at Monteverde.

Purple-crowned Fairy *Heliostyris barroti*—One briefly seen as it gleaned insects from a tree by the rooms at Arenal Observ. Lodge.

Black-crested Coquette *Lophornis helenae*—A female seen very well at Arenal Observ. Lodge while it fed on Porterweed near the foot bridge.

Green-crowned Brilliant *Heliodoxa jacula*—One briefly seen by some from the deck at Arenal Observ. Lodge where it fed on *Heliconia* flowers. Common at the feeders at the Monteverde Reserve.

Purple-throated Mountain-gem (RE) *Lampornis calolaemus*—Several males and females seen at both the Monteverde and Curicancha Reserves. A few seen along the forested trail in the Santa Elena Reserve.

Canivet's Emerald *Cyanthus canivetii*—A male seen well at a rest stop en route from Arenal to Monteverde. A male and female seen feeding on Porterweed and sage around the hotel parking lot in Monteverde.

Violet-headed Hummingbird *Klaisguimeti*—Common at Arenal Observ. Lodge where they fed on Porterweed.

Violet Sabrewing *Campylopterus hemileucurus*—Numerous males seen at the feeders at the Monteverde Reserve. Strangely, no females were observed.

Crowned Woodnymph *Thalurania colombica*—At least two seen at La Selva Biol. Station.

Coppery-headed Emerald (E) *Microchera cupreiceps*—One briefly seen at the feeders at the Monteverde Reserve and two feeding on Porterweed in the upper garden at the Curicancha Reserve. A female seen near the hotel in Monteverde.

Stripe-tailed Hummingbird *Eupherusa eximia*—One seen numerous times at the feeders at the Monteverde Reserve and two several feeding at different Porterweed gardens at the Curicancha Reserve.

Scaly-breasted Hummingbird *Phaeochroa cuvierii*—One seen in the gardens near the rooms at Arenal Observ. Lodge.

Blue-vented Hummingbird *Saucerottia hoffmanni*—Two seen near the Monteverde hotel feeding on Porterweed. Another seen in the parking lot at Carara N.P. Another seen downhill from the Cerro Lodge.

Cinnamon Hummingbird *Amazilia rutila*—One seen by some on the grounds of Cerro Lodge where it fed on *Heliconia*.

Rufous-tailed Hummingbird *Amazilia tzacatl*—Two seen in the gardens at H. Bougainvillea. The most common hummingbird at Arenal Observ. Lodge where they fed on Porterweed. Also seen at Carara N.P.

RAILS, COOTS, AND ALLIES:Rallidae— (2)

Gray-cowled Wood-Rail *Aramides cajaneus*—(HO) near the hotel in Monteverde.

Purple Gallinule *Porphyrio martinica*— One seen at a distance after we left the Caño Negro Refuge.

THICK-KNEES: Burhinidae—(1)

Double-striped Thick-knee *Burhinus bistriatus*—One seen in a short-grass field downhill from Cerro Lodge.

PLOVERS AND LAPWINGS:Charadriidae— (5)

Black-bellied Plover *Pluvialis squatarola*—Two seen during the boat ride on the Tarcoles River.

Southern Lapwing *Vanellus chilensis*—At least 16 seen scattered in a cow pasture en route from Alajuela to Arenal Observ. Lodge on Day 2. A few seen in the Caño Negro Refuge during the boat ride. One seen on the last morning below Cerro Lodge where it was chasing a Crested Caracara.

Collared Plover *Charadrius collaris*—Maybe a total of 10 seen during the boat ride on the Tarcoles River.

Semipalmated Plover *Charadrius semipalmatus*—30+ seen during the boat ride on the Tarcoles River.

Wilson's Plover *wilsonia*—Two seen during the boat ride on the Tarcoles River.

JACANAS:Jacanidae— (1)

Northern Jacana *Jacana spinosa*—One seen in a cattle pasture en route from Alajuella to Arenal Observ. Lodge. Many seen in and around the Caño Negro Refuge. One seen in a low, wet area downhill from Cerro Lodge.

SANDPIPERS AND ALLIES:Scolopacidae— (7)

Whimbrel *Numenius phaeopus*—Small numbers seen during the boat ride on the Tarcoles River.

Ruddy Turnstone *Arenaria interpres*— Small numbers seen during the boat ride on the Tarcoles River.

Least Sandpiper *Calidris minutilla*—Small numbers seen during the boat ride on the Tarcoles River.

Western Sandpiper *Calidris mauri*—Small numbers seen during the boat ride on the Tarcoles River.

Short-billed Dowitcher *Limnodromus griseus*— Three seen during the boat ride on the Tarcoles River.

Spotted Sandpiper *Actitis macularius*—One of the first shorebirds to arrive. At least 7 seen during the boat ride at Caño Negro Refuge. All had spots on the breast. Small numbers seen during the boat ride on the Tarcoles River.

Willet *Tringa semipalmata*— One seen during the boat ride on the Tarcoles River.

GULLS AND TERNS:Laridae — (2)

Laughing Gull *Leucophaeus atricilla*— One seen during the boat ride on the Tarcoles River.

Royal Tern *Thalasseus maximus*—Small numbers seen during the boat ride on the Tarcoles River. A small flock was resting on a sandbar alongside pelicans.

SUNBITTERN:Eurypygidae— (1)

Sunbittern *Eurypyga helias*—One seen well for an extended period along a creek crossing below the Arenal Observ. Lodge.

STORKS: Ciconiidae — (1)

Wood Stork *Mycteria americana*— Two seen in and around the Caño Negro Refuge. Two more seen during the boat ride on the Tarcoles River. Another one seen downhill from Cerro Lodge.

FRIGATEBIRDS:Fregatidae— (1)

Magnificent Frigatebird *Fregata magnificens*— Small numbers seen during the boat ride on the Tarcoles River.

ANHINGAS:Anhingidae— (1)

Anhinga *Anhinga anhinga*— Many seen during the boat ride at the Caño Negro Refuge. One seen during the boat ride on the Tarcoles River.

CORMORANTS:Phalacrocoracidae— (1)

Neotropic Cormorant *Nannopterum brasilianum*— Small numbers seen in the Caño Negro Refuge. Small numbers seen during the boat ride on the Tarcoles River.

PELICANS:Pelecanidae — (1)

Brown Pelican *Pelecanus occidentalis*—A couple of groups seen on the sandbars during the boat ride on the Tarcoles River.

HERONS AND EGRETS: Ardeidae — (11)

Bare-throated Tiger-Heron *Tigrisoma mexicanum*— Several adults and juveniles seen in and around the Caño Negro Refuge. A few seen during the boat ride on the Tarcoles River.

Great Blue Heron *Ardea herodias*—One seen during the boat ride on Lake Arenal. Seemingly out of season.

Great Egret *Ardea alba*— Several seen in and around the Caño Negro Refuge. Small numbers seen during the boat ride on the Tarcoles River. Two more in the cattle pastures downhill from Cerro Lodge.

Snowy Egret *Egretta thula*— Only two observed in the Caño Negro Refuge. At least two seen during the boat ride on the Tarcoles River.

Little Blue Heron *Egretta caerulea*— A flock of adults and juveniles seen in the Caño Negro Refuge. Small numbers seen during the boat ride on the Tarcoles River.

Tricolored Heron *Egretta tricolor*—One seen during the boat ride on the Tarcoles River.

Cattle Egret *Bubulcus ibis*—Small numbers seen in a cattle pasture en route from Alajuela to Arenal Observ. Lodge on Day 2. Small numbers seen during the boat ride on the Tarcoles River. Small numbers in the cattle pasture downhill from Cerro Lodge.

Green Heron *Butorides virescens*— A few seen in the Caño Negro Refuge. A few also seen during the boat ride on Lake Arenal. At least one seen during the boat ride on the Tarcoles River.

Black-crowned Night-Heron *Nycticorax nycticorax*—Two seen during the boat ride on the Tarcoles River.

Yellow-crowned Night-Heron *Nyctanassa violacea*—Two seen during the boat ride on the Tarcoles River.

Boat-billed Heron *Cochlearius cochlearius*— Only one seen in the Caño Negro Refuge. A small grouping seen during the boat ride on the Tarcoles River.

IBIS AND SPOONBILLS: Threskiornithidae — (3)

White Ibis *Eudocimus albus*—Small numbers seen during the boat ride on the Tarcoles River, both adults and immatures.

Green Ibis *Mesembrinibis cayennensis*— Two seen perched high in a tree in the Caño Negro Refuge.

Roseate Spoonbill *Platalea ajaja*— Two observed along the road in a pond en route to the Caño Negro Refuge. Small numbers seen during the boat ride on the Tarcoles River.

NEW WORLD VULTURES: Cathartidae — (2)

Black Vulture *Coragyps atratus*—Small numbers seen almost daily along the entire route.

Turkey Vulture *Cathartes aura*—Small numbers seen almost daily along entire route.

OSPREY: Pandionidae — (1)

Osprey *Pandion haliaetus*—Two briefly seen at the very end of the boat ride on Lake Arenal. Two seen during the boat ride on the Tarcoles River.

HAWKS, KITES, AND EAGLES: Accipitridae — (10)

White-tailed Kite *Elanus leucurus*— Two observed in cattle pastures before the Caño Negro Refuge.

Swallow-tailed Kite *Elanoides forficatus*—At least a dozen seen along the shore of Lake Arenal on Day 3. A few seen in the highlands en route from Arenal to Monteverde. A few more seen as we were leaving Monteverde.

Black-collared Hawk *Busarellus nigricollis*— One juvenile seen in the Caño Negro Refuge.

Common Black Hawk *Buteogallus anthracinus*—Two seen during the boat ride on the Tarcoles River, one adult and one immature.

Crane Hawk *Geranospiza caerulescens*—One seen at close range in trees that lined a cattle pasture downhill from Cerro Lodge.

Roadside Hawk *Rupornis magnirostris*— One seen in the Caño Negro Refuge and another along the road nearby. Two seen downhill from Cerro Lodge.

Harris's Hawk *Parabuteunicinctus*—A pair seen along the road from Alajuela to Arenal Observ. Lodge on Day 2. Typically a dry forest Pacific slope species elsewhere.

White Hawk *Pseudastur albicollis*—One seen perched in a distant Cecropia tree just before arriving at Monteverde. Another spotted by Alejandro along a ridgeline in Carara N.P.

Gray Hawk *Buteo plagiatus*—One seen along the road from Alajuela to Arenal Observ. Lodge on Day 2 and another just below the Arenal Lodge on Day 3. Another downhill from the Cerro Lodge.

Zone-tailed Hawk *Buteo albonotatus*—One seen along a ridgeline along the border of Carara N.P.

OWLS: Strigidae — (3)

Pacific Screech-Owl *Megascops cooperi*—A pair seen on a day roost in the Caño Negro Refuge during the boat ride.

Spectacled Owl *Pulsatrixperspicillata*—One flushed from a day roost along a forest trail at Arenal Observ. Lodge.

Ferruginous Pygmy-Owl *Glaucidium brasilianum*—A pair seen in the Gardens at H. Bougainvillea. Another one seen at close range near the gate of Cerro Lodge.

TROGONS: Trogonidae— (7)

Resplendent Quetzal *Pharomachrus mocinno*—An immature and female were seen by all at the Monteverde Reserve. The same morning part of the group walked a different trail with Johan and saw an adult male. It was near a fruiting 'aguacatillo' tree.

Lattice-tailed Trogon (RE) *Trogon clathratus*—(HO) One heard along a forested trail at Arenal Observ. Lodge.

Slaty-tailed Trogon *Trogon massena*—A pair seen along a trail at La Selva Biol. Station. The male was seen in the scope. Another heard near the gate at Cerro Lodge.

Black-headed Trogon *Trogon melanocephalus*— One seen during the boat ride in the Caño Negro Refuge. Others seen near Cerro Lodge.

Gartered Trogon *Trogon caligatus*—Males and a female seen in the garden at Arenal Observ. Lodge.

Black-throated Trogon *Trogon rufus*—One male seen at Carara N.P.

Collared Trogon *Trogon collaris*—One orange-bellied form seen at close range along a forested trail at Arenal Observ. Lodge. One seen by some at the Curicancha Reserve.

MOTMOTS: Momotidae— (4)

Lesson's Motmot *Momotus lessonii*—At least two observed in the gardens at H. Bougainvillea. Three seen along the entrance road to the Curicancha Reserve as we were leaving. Two in the parking lot at the butterfly house in Monteverde.

Rufous Motmot *Baryphthengus martii*—One seen along a trail at La Selva Biol. Station and another in the forest at Arenal Observ. Lodge.

Broad-billed Motmot *Electron platyrhynchum*—One seen along a trail at La Selva Biol. Station.

Turquoise-browed Motmot *Eumomota superciliosa*—One seen in the mangroves before arriving at Cerro Lodge. Very interesting place to see this species. Seen several more times around Cerro Lodge.

KINGFISHERS: Alcedinidae— (4)

Ringed Kingfisher *Megaceryle torquata*— Several seen during the boat ride in the Caño Negro Refuge. A couple also seen during the boat ride on Lake Arenal. One seen during the boat ride on the Tarcoles River.

Amazon Kingfisher *Chloroceryle amazona*—One seen along a small river close to Arenal Observ. Lodge on Day 2. Another seen along the shoreline of Arenal Lake on Day 3. Many seen during the boat ride in the Caño Negro Refuge. Several seen during the boat ride on Arenal Lake. A few seen during the boat ride on the Tarcoles River.

American Pygmy Kingfisher *Chloroceryle aenea*— A pair heard inside the vegetation at the Caño Negro Refuge. A male was seen at close range for an extended period during the boat ride on the Tarcoles River.

Green Kingfisher *Chloroceryle americana* —One seen along a small river close to Arenal Observ. Lodge. A few seen during the boat ride at the Caño Negro Refuge. One seen during the boat ride on Arenal Lake. A couple seen during the boat ride on the Tarcoles River.

JACAMARS: Galbulidae— (1)

Rufous-tailed Jacamar *Galbula ruficauda*—One briefly observed in a patch of forest near Arenal Lake on Day 3.

TOUCAN-BARBETS: Semnornithidae— (1)

Prong-billed Barbet (RE) *Semnornis frantzii*—Two seen at the Monteverde Reserve and two more were heard only. A pair also seen in the Santa Elena Reserve.

TOUCANS: Ramphastidae — (4)

Northern Emerald-Toucanet *Aulacorhynchus prasinus*—Several observed at the Monteverde Reserve.

Collared Aracari *Pteroglossus torquatus*—Several seen well near the restaurant at La Selva Biol. Station where they foraged inside a Heliconia thicket.

Yellow-throated Toucan *Ramphastos ambiguus*—At least two seen well at the La Selva Biol. Station. One fed on palm nuts at close range. Others seen on the grounds of Arenal Observ. Lodge.

Keel-billed Toucan *Ramphastos sulfuratus*—Several seen well at La Selva Biol. Station. Also seen on the grounds of Arenal Observ. Lodge. Several seen from the parking lot of the butterfly house in Monteverde. At least seven seen along a ridgeline at Carara N.P.

WOODPECKERS: Picidae — (8)

Black-cheeked Woodpecker *Melanerpes pucherani*—Many seen at and around Arenal Observ. Lodge.

Hoffmann's Woodpecker (RE) *Melanerpes hoffmannii*—Several seen on the grounds of H. Bougainvillea. A couple were seen by the hotel in Monteverde. Seen on the fruit feeders at Cerro Lodge.

Smoky-brown Woodpecker *Dryobates fumigatus* — (HO) Calling close by along the trail at the Santa Elena Reserve.

Pale-billed Woodpecker *Campephilus guatemalensis*—One briefly seen along a forest trail at La Selva Biol. Station.

Lineated Woodpecker *Dryocopus lineatus*—One seen well in the gardens at H. Bougainvillea.

Cinnamon Woodpecker *Celeus loricatus*—(HO) near the entrance gate at La Selva Biol. Station as it accompanied a mixed flock.

Chestnut-colored Woodpecker *Celeus castaneus*—One briefly seen in a mixed flock before the gate at La Selva Biol. Station.

Rufous-winged Woodpecker (RE) *Piculus simplex* —One seen through scope before the gate at La Selva Biol. Station.

FALCONS AND CARACARAS: Falconidae— (6)

Laughing Falcon *Herpetotheres cachinnans*—One briefly seen downhill from Cerro Lodge.

Barred Forest-Falcon *Micrastur ruficollis* —(HO) Heard only by some at the Curicancha Reserve.

Collared Forest-Falcon *Micrastur seimitorquatus*—(HO) Heard only at Carara N.P.

Crested Caracara *Caracaraplancus*—One seen in the garden at H. Bougainvillea. Others seen in the Arenal area. A bunch seen in a recently mowed orange orchard after leaving the Caño Negro Refuge.

Yellow-headed Caracara *Daptriuschimachima*—One seen flying en route from Alajuela to Arenal on Day 2. A few also seen coming and going from the Caño Negro Refuge.

Bat Falcon *Falco ruficularis*— One spotted on a distant perch during the boat ride at the Caño Negro Refuge. A pair seen by the upper Porterweed gardens at Curicancha.

PARROTS: Psittacidae — (9)

Orange-chinned Parakeet *Brotogeris jugularis* —A pair seen in the scope at the Arenal Observ. Lodge. Others seen after leaving the Caño Negro Refuge. Small numbers seen flying at different sites along the Pacific coast.

White-crowned Parrot *Pionus senilis* —A few seen flying overhead at Carara N.P.

Red-lored Parrot *Amazona autumnalis*—Several pair seen flying high overhead at the Arenal Observ. Lodge. Small numbers seen near the Caño Negro Refuge. Larger numbers seen around Cerro Lodge.

Yellow-naped Parrot *Amazona auropalliata*—A pair seen at the end of the boat ride on the Tarcoles River. Numerous pair seen near Cerro Lodge, including a pair seen in the scope.

White-fronted Parrot *Amazona albifrons*—A small flock briefly seen at the hotel in Monteverde and another flock in the parking lot of the Curicancha Reserve.

Mealy Parrot *Amazona farinosa*—A few pair seen near Cerro Lodge.

Orange-fronted Parakeet *Eupsittula canicularis*—One seen perched by the road in the highlands en route to Monteverde.

Scarlet Macaw *Ara macao*—Numerous pairs seen during the boat ride on the Tarcoles River. Small numbers came onto the ground of Cerro Lodge where they were feeding on seeding Asian Teak trees. Four seen at close range downhill from Cerro Lodge as they fed in small trees alongside cattle pastures.

Crimson-fronted Parakeet (RE) *Psittacara finschi*—Small flocks and pairs seen at H. Bougainvillea, including scope views. Another pair at the park at La Fortuna.

ANTBIRDS:Thamnophilidae— (6)

Fasciated Antshrike *Cymbilaimus lineatus*—(HO) One heard at close range along a forested trail at La Selva Biol. Station.

Barred Antshrike *Thamnophilus doliatus*—Several seen in a thicket downhill from Cerro Lodge.

Black-hooded Antshrike (RE) *Thamnophilus bridgesi*—One seen at close range in Carara N.P.

Russet Antshrike *Thamnistes anabatinus*—One briefly seen amidst a large canopy flock along the forested trail at Arenal Observ. Lodge.

Chestnut-backed Antbird *Poliocrania exsul*—Two seen well and others heard at Carara N.P.

Dull-mantled Antbird *Sipia laemosticta*—One seen at close range along a trail below the rooms at Arenal Observ. Lodge.

ANTPITTAS:Grallariidae— (1)

Streak-chested Antpitta *Hyllopezus perspicillatus*—(HO) at close range at Carara N.P.

TAPACULOS:Rhinocryptidae— (1)

Silvery-fronted Tapaculo (RE) *Scytalopus argentifrons*—(HO) Heard only at the Santa Elena Reserve.

ANTTHRUSHES:Formicariidae— (1)

Black-faced Antthrush *Formicarius analis*—(HO) Heard close to the road as we descended a ridgeline in Carara N.P.

OVENBIRDS AND WOODCREEPERS: Furnariidae — (10)

Olivaceous Woodcreeper *Sittasomus griseicapillus*—One observed while accompanying a mixed flock at the Monteverde Reserve.

Wedge-billed Woodcreeper *Glyphorhynchus spirurus*—One seen briefly along a forest trail at Arenal Observ. Lodge.

Cocoa Woodcreeper *Xiphorhynchus sarrans*— (HO) Heard at La Selva Biol. Station and Arenal Observ. Lodge.

Spotted Woodcreeper *Xiphorhynchus erythropygius*— One observed while accompanying a mixed flock at the Monteverde Reserve.

Streak-headed Woodcreeper *Lepidocolaptes souleyetii*—One seen at La Selva Biol. Station.

Plain Xenops *Xenops minutus*—One accompanying a large canopy flock inside the forest at Arenal Observ. Lodge.

Streak-breasted Treehunter (RE) *Thripadectes rufobrunneus*— One observed at close range while accompanying a mixed flock at the Monteverde Reserve.

Spotted Barbtail *Premnoplex brunnescens*— One observed while accompanying a mixed flock at the Monteverde Reserve.

Ruddy Treerunner (RE) *Margarornis rubiginosus*—Several seen well in a mixed flock at the Santa Elena Reserve.

Red-faced Spinetail *Cranioleuca erythrops*—A pair seen accompanying a mixed flock at the Santa Elena Reserve.

MANAKINS: Pipridae— (2)

Long-tailed Manakin *Chiroxiphia linearis* —One tailless male seen in the scope at the Children's Eternal Rainforest and others heard.

White-collared Manakin *Manacus candei*—A female seen at close range at La Selva Biol. Station.

COTINGAS: Cotingidae— (2)

Three-wattled Bellbird (RE) *Procnias tricarunculatus*—One male seen well in the scope at the Children's Eternal Rainforest. It was vocalizing. One heard only once at the Monteverde Reserve. A nearly adult male seen at close range in the parking lot of the butterfly house in Monteverde.

Lovely Cotinga *Cotinga amabilis*—A female seen near the rooms at Arenal Observ. Lodge. Uncommon here at its southern range limit.

TITYRAS AND BECARDS: Tityridae— (3)

Masked Tityra *Tityra semifasciata*—A pair seen in the garden at H. Bougainvillea. Many also seen in a fruiting tree by the rooms at Arenal Observ. Lodge. A couple seen in the fruiting 'aguacatillo' at the Monteverde Reserve. Smaller numbers seen along the Pacific coast and Cerro Lodge.

Cinnamon Becard *Pachyramphus cinnamomeus*—One briefly seen in the gardens at Arenal Observ. Lodge.

Rose-throated Becard *Pachyramphus aglaiae*—A female seen near the gate at Cerro Lodge during one morning walk and a male seen from the restaurant balcony at the hotel.

TYRANT FLYCATCHERS: Tyrannidae — (23)

Golden-crowned Spadebill *Platyrinchus coronatus*—One seen in the forest mid-story at Carara N.P.

Ochre-bellied Flycatcher *Mionectes oleagineus*—One briefly seen in the gardens at Arenal Observ. Lodge.

Scale-crested Pygmy-Tyrant *Lophotriccus pileatus*— (HO) Tiny flycatcher heard along a forest trail at Arenal Observ. Lodge.

Common Tody-Flycatcher *Todirostrum cinereum*—A pair foraging, and nesting, at the Sarapiquí lunch stop on Day 2. Common at the Caño Negro Refuge. A pair seen in the tree row in front of the hotel in Monteverde.

Yellow-bellied Elaenia *Elaenia flavogaster*— One seen just after leaving the Caño Negro Refuge.

Mistletoe Tyrannulet *Zimmerius parvus*—Seen briefly with a flock before the gate at La Selva Biol. Station. Heard throughout at the Monteverde Reserve.

Tufted Flycatcher *Mitrephanes phaeocercus*—One seen well along the trail at the Santa Elena Reserve.

Northern Tropical Pewee *Contopus bogotensis*—Adults and young seen at the edge of a cattle pasture near Lake Arenal. Another seen after leaving the Caño Negro Refuge.

Yellowish Flycatcher *Empidonax flavescens*— One observed while accompanying a mixed flock at the Monteverde Reserve. Another seen along the trail at the Santa Elena Reserve.

Northern Scrub-Flycatcher *Sublegatus arenarum*—One seen in the mangroves before we reached Cerro Lodge and one seen during the boat ride on the Tarcoles River.

Rufous Mourner *Rhytipterna holerythra*—One seen near the rooms at Arenal Observ. Lodge.

Dusky-capped Flycatcher *Myiarchus tuberculifer*—One along the forest trail at Carara N.P.

Panama Flycatcher *Myiarchus panamensis*—One briefly seen in the mangroves before we reached Cerro Lodge.

Brown-crested Flycatcher *Myiarchus tyrannulus*— One briefly seen in the mangroves before we reached Cerro Lodge.

Great Kiskadee *Pitangus sulphuratus*—Fairly common at many sites including H. Bougainvillea and Arenal Observ. Lodge. Seen along Tarcoles River.

Boat-billed Flycatcher *Megarynchus pitangua*—A pair seen well in the garden at H. Bougainvillea. Another one near the feeders at Cerro Lodge.

Social Flycatcher *Myiozetetes similis*—Seen well in the garden at H. Bougainvillea and the gardens at Arenal Observ. Lodge.

Gray-capped Flycatcher *Myiozetetes granadensis*—First one observed in the parking lot at La Selva Biol. Station. Also, a few in the gardens at Arenal Observ. Lodge.

Golden-bellied Flycatcher *Myiodynastes hemichrysus*—One seen by some at a fruiting tree next to the rooms at Arenal Observ. Lodge.

Streaked Flycatcher *Myiodynastes maculatus* —One seen near the gate at Cerro Lodge and another at the feeder at the hotel.

Sulphur-bellied Flycatcher *Myiodynastes luteiventris*—One in a fruiting tree by the rooms at Arenal Observ. Lodge.

Piratic Flycatcher *Legatus leucophaeus*—One in a fruiting tree by the rooms at Arenal Observ. Lodge.

Tropical Kingbird *Tyrannus melancholicus*—Seen at most sites during the trip in open areas.

VIREOS:Vireonidae— (3)

Rufous-browed Peppershrike *Cyclarhis gujanensis*—(HO) In the gardens at H. Bougainvillea. Also, HO by the parking lot at the butterfly house in Monteverde. Also heard in the mangroves along the Tarcoles River.

Lesser Greenlet *Pachysylvia decurtata*—A few seen in the Curicancha Reserve. A pair seen well just downhill from Cerro Lodge.

Yellow-green Vireo *Vireo flavoviridis*—One briefly seen in the gardens at H. Bougainvillea.

CROWS AND JAYS: Corvidae — (3)

Azure-hooded Jay *Cyanolyca cucullata*—A pair seen foraging at close range at the Santa Elena Reserve.

White-throated Magpie-Jay *Calocitta formosa*—A small flock briefly seen by a patch of forest near Arenal Lake. Four also seen at the rest stop en route from Arenal Lake to Monteverde. A small flock also seen near the gate at Cerro Lodge.

Brown Jay *Psilorhinus morio*—Seen by Michael and Janet in the parking lot at the Curicancha Reserve. A couple more seen along a ridgeline at Carara N.P. and downhill from Cerro Lodge.

SWALLOWS AND MARTINS: Hirundinidae — (3)

Blue-and-white Swallow *Pygochelidon cyanoleuca*—Small numbers seen at H. Bougainvillea. Others seen around the Monteverde area.

Gray-breasted Martin *Progne chalybea*—Many seen after departing the Caño Negro Refuge. A few were on the dirt road gathering grit.

Mangrove Swallow *Tachycineta albilinea*—Small numbers seen during the boat ride at the Caño Negro Refuge. Larger numbers seen during the boat on the Tarcoles River.

GNATCATCHERS: Polioptilidae — (1)

White-browed Gnatcatcher *Polioptila bilineata*—One seen by the gate at Cerro Lodge.

WRENS: Troglodytidae — (15)

House Wren *Troglodytes aedon*—A few seen and heard on the grounds of the Arenal Observ. Lodge. A pair also seen in the parking lot of the hotel in Monteverde.

Ochraceous Wren (RE) *Troglodytes ochraceus*— One observed while accompanying a mixed flock at the Monteverde Reserve. Two more also seen at the Santa Elena Reserve, both accompanying mixed flocks.

Rufous-naped Wren *Campylorhynchus rufinucha*—Small groups seen well on the grounds at H. Bougainvillea. Common on the grounds of Cerro Lodge.

Black-bellied Wren *Pheugopedius fasciatoventris*—(HO) along a steep ridgeline at Carara N.P.

Rufous-breasted Wren *Pheugopedius rutilus* — (HO) inside the forest at Carara N.P.

Spot-breasted Wren *Pheugopedius maculipectus*—(HO) During the boat ride at Caño Negro refuge.

Black-throated Wren (RE) *Pheugopedius atrogularis*—(HO) Along the entrance road at La Selva Biol. Station.

Rufous-and-white Wren *Thryophilus rufalbus*—Seen around the hotel in Monteverde and the parking lot at the Children's Eternal Rainforest. Also, heard at different sites along the Pacific coast.

Stripe-breasted Wren (RE) *Cantorchilus thoracicus*—Heard frequently at La Selva Biol. Station and Arenal area. One seen along the forested trail at Arenal Lodge.

Cabanis's Wren *Cantorchilus modestus*—Heard on the grounds at H. Bougainvillea. Also, heard at the Curicancha Reserve. A pair seen well by the parking lot at the hotel in Monteverde.

Riverside Wren (RE) *Cantorchilus semibadius*—One seen amidst a viny tangle as we descended a ridgeline at Carara N.P.

Bay Wren *Cantorchilus nigricapillus*—Seen briefly along the entrance road at La Selva Biol. Station.

White-breasted Wood-Wren *Henicorhina leucosticta*—Heard frequently and one briefly seen along the forested trail at Arenal Observ. Lodge.

Gray-breasted Wood-Wren *Henicorhina leucophrys*—Several heard at the Monteverde Reserve. One seen briefly at the Santa Elena Reserve and others only heard.

Song Wren *Cyphorhinus phaeocephalus*—Briefly seen by some along the forested trail at Arenal Observ. Lodge.

THRUSHES: Turdidae — (8)

Black-faced Solitaire (RE) *Myadestes melanops*—Seen only by Robert G. and Rose at the Monteverde Reserve. Also, seen by the cafeteria at the Santa Elena Reserve.

Orange-billed Nightingale-Thrush *Catharus aurantiirostris*—One briefly seen along the trail at the Children's Eternal Rainforest.

Slaty-backed Nightingale-Thrush *Catharus fuscater*— One observed while accompanying a mixed flock at the Monteverde Reserve.

Ruddy-capped Nightingale-Thrush *Catharus frantzii*—One seen well along the upper trail at the Santa Elena Reserve.

Mountain Thrush *Turdus plebejus*—Seen by some at the Curicancha Reserve.

White-throated Thrush *Turdus assimilis*—Several seen along the trail at the Children’s Eternal Rainforest.
Clay-colored Thrush *Turdus grayi*—Observed daily at most destinations in open and garden areas.

OLD WORLD SPARROWS: Passeridae— (1)

House Sparrow (I) *Passer domesticus*—A few seen at a gas station en route from Alajuela to Arenal.

FINCHES AND EUPHONIAS: Fringillidae — (6)

Golden-browed Chlorophonia (RE) *Chlorophonia callophrys*— Several females observed while accompanying a mixed flock at the Monteverde Reserve. One briefly seen in the parking lot at the butterfly house in Monteverde.

Scrub Euphonia *Euphonia affinis*—A few seen downhill from Cerro Lodge.

Yellow-crowned Euphonia (RE) *Euphonia luteicapilla*—A few seen on the grounds at the Arenal Observ. Lodge.

Yellow-throated Euphonia *Euphonia hirundinacea*— A few seen on the grounds at the Arenal Observ. Lodge.

Olive-backed Euphonia *Euphonia gouldi*—Several seen feeding on nightshade fruits at La Selva Biol. Station.

Tawny-capped Euphonia *Euphonia anneae*—One male briefly seen attending a mixed canopy flock along the forested trail at Arenal Observ. Lodge.

NEW WORLD SPARROWS: Passerellidae— (9)

Common Chlorospingus *Chlorospingus flavopectus*— Several observed while accompanying mixed flocks at the Monteverde Reserve. Many also seen at the Santa Elena Reserve.

Stripe-headed Sparrow *Peucaea ruficauda*—Small numbers seen around Cerro Lodge, usually along fencerows with trees.

Olive Sparrow *Arremonops rufivirgatus*—(HO) along the road as we descended from Monteverde.

Black-striped Sparrow *Arremonops conirostris*—Several seen in the garden and up another road at Arenal Observ. Lodge.

Orange-billed Sparrow *Arremon aurantiirostris*—One seen hopping along the trail at Carara N.P.

Chestnut-capped Brushfinch *Arremon brunneinucha*—One seen along the upper trail at the Santa Elena Reserve.

Rufous-collared Sparrow *Zonotrichia capensis* —A couple seen on the grounds at H. Bougainvillea. Another seen at the hotel in Monteverde.

White-eared Ground-Sparrow *Melospiza leucotis*—One seen in the courtyard at the hotel in Monteverde. A pair seen well in the parking lot at the butterfly house in Monteverde.

White-naped Brushfinch *Atlapetes albinucha*—Two seen at close range at the Curicancha Reserve.

NEW WORLD BLACKBIRDS: Icteridae — (8)

Montezuma Oropendola *Psarocolius montezuma*—Seen frequently at Arenal Observ. Lodge and elsewhere in the area.

Scarlet-rumped Cacique *Cacicus uropygialis*—Several seen, a couple at close range, along the forested trail at La Selva Biol. Station.

Streak-backed Oriole *Icterus pustulatus*—A few seen on the fruit feeders at Cerro Lodge.

Red-winged Blackbird *Agelaius phoeniceus* —Hundreds seen en route and around the Caño Negro Refuge. A few seen during the boat ride on Arenal Lake.

Shiny Cowbird *Molothrus bonariensis*—One briefly observed in the gardens at Arenal Observ. Lodge. Another seen on an electric wire by the Cerro Lodge gate.

Melodious Blackbird *Dives dives*— A couple seen on the grounds at Arenal Observ. Lodge. A few seen at the hotel in Monteverde.

Great-tailed Grackle *Quiscalus mexicanus* —Seen in cities and cattle pastures in most areas visited.

Nicaraguan Grackle (RE) *Quiscalus nicaraguensis*—One male observed at close range during the boat ride at Caño Negro.

NEW WORLD WARBLERS: Parulidae — (6)

Yellow Warbler *Setophaga petechia* —A few males and females seen of the mangrove race before reaching Cerro Lodge.

Chestnut-capped Warbler *Basileuterus delatirii*—A pair seen at the parking lot at the Children’s Eternal Rainforest.

Costa Rican Warbler (RE) *Basileuterus melanotis*—Seen at close range along the trail at the Monteverde Reserve.

Buff-rumped Warbler *Myiothlypis fulvicauda*—Two seen at close range on the lawn near the rooms at Arenal Observ. Lodge. Strange to see them away from water.

Slate-throated Redstart *Myioborus miniatus*—One briefly observed as it accompanied a canopy mixed flock at Arenal Observ. Lodge. Several also observed at the Santa Elena Reserve, some accompanying mixed flocks.

Collared Redstart (RE) *Myioborus torquatus*—Several seen at the Santa Elena Reserve.

CARDINALS AND ALLIES: Cardinalidae— (5)

Hepatic Tanager *Piranga flava* — One photographed by Michael at the Arenal Observ. Lodge.

Carmioli’s Tanager *Chlorothraupis carmioli*—A few seen with the mixed flock along the forested trail at Arenal Observ. Lodge.

Black-thighed Grosbeak (RE) *Pheucticus tibialis* —Two seen well for an extended period as they were sunning atop a large tree at the Santa Elena Reserve.

Blue-black Grosbeak *Cyanoloxia cyanooides*—A male seen approaching the feeders at the lunch stop in Sarapiquí on Day 2.

Blue Grosbeak *Passerina caerulea*—A resident male seen near the Cerro Lodge.

TANAGERS AND ALLIES: Thraupidae — (23)

White-throated Shrike-Tanager (RE) *Lanio leucothorax*—One female seen high in the subcanopy with the mixed flock at Arenal Observ. Lodge.

Crimson-collared Tanager *Ramphocelus sanguinolentus*—Several pair seen at Arenal Observ. Lodge and vicinity.

Scarlet-rumped Tanager *Ramphocelus passerinii*—Very common sighting at H. Bougainvillea and all around Arenal area.

Blue-gray Tanager *Thraupis episcopus*— Seen at H. Bougainvillea and small numbers around Arenal area.

Palm Tanager *Thraupis palmarum* — Seen at H. Bougainvillea and small numbers around Arenal area. Some observed at the hotel in Monteverde and vicinity. Smaller numbers seen at different sites along the Pacific coast.

Golden-hooded Tanager *Stilpnia larvata*—A few seen at the La Selva Biol. Station and on the grounds at Arenal Observ. Lodge.

Spangle-cheeked Tanager (RE) *Tangara dowii*—A small flock seen by Adrienne and Robert G. at the Monteverde Reserve. Another pair seen at the Santa Elena Reserve.

Rufous-winged Tanager *Tangara lavinia*—A young bird seen near the rooms at Arenal Observ. Lodge.

Bay-headed Tanager *Tangara gyrola*—Several seen feeding on figs behind the fruit feeders at Arenal Observ. Lodge.

Emerald Tanager *Tangara florida*—Seen by Janet and Michael at the Arenal Observ. Lodge at the fruit feeders, with an outstanding photograph.

Silver-throated Tanager *Tangara icterocephala*—A perched bird observed in the scope at the Monteverde Reserve. Several more seen at the Santa Elena Reserve.

Scarlet-thighed Dacnis *Dacnis venusta*—Many adult males, young males, and females seen on the grounds at Arenal Observ. Lodge, most feeding on Trema fruits. A few also observed at the entrance of the Monteverde Reserve.

Blue Dacnis *Dacnis cayana*—A single male was seen along a ridgeline at Carara N.P.

Shining Honeycreeper *Cyanerpes lucidus*—One seen at La Selva Biol. Station and another at Arenal Observ. Lodge.

Red-legged Honeycreeper *Cyanerpes cyaneus*—A few seen at Arenal Observ. Lodge and after the boat ride at lunch stop near Caño Negro. A few others seen in the Monteverde area.

Green Honeycreeper *Chlorophanes spiza*—Several seen at La Selva Biol. Station and many at Arenal Observ. Lodge. Common at fruit feeders by restaurant.

Blue-black Grassquit *Volatinia jacarina*—Small numbers seen along the road as we left the Caño Negro Refuge. Several seen along the road and ridgeline at Carara N.P.

Ruddy-breasted Seedeater *Sporophila minuta*— One male seen along the road near Caño Negro.

Variable Seedeater *Sporophila corvina* —Common around entire Arenal area.

Morelet's Seedeater *Sporophila moreletii*—One along the road from La Selva to Arenal. Others seen along the road near Caño Negro.

Bananaquit *Coereba flaveola*—Small numbers seen at La Selva Biol. Station and the grounds at Arenal Observ. Lodge. One seen at the hummingbird feeders at the Monteverde Reserve.

Yellow-faced Grassquit *Tiaris olivaceus*—Seen by some in the parking lot at the hotel in Monteverde and the parking area at the Curicancha Reserve.

Buff-throated Saltator *Saltator maximus* —Small numbers seen at La Selva Biol. Station and in Arenal area. Another seen in the parking lot at the butterfly house in Monteverde. A few seen at Cerro Lodge.

Cinnamon-bellied Saltator *Saltator grandis* —One seen by some at H. Bougainvillea. A pair seen at the rest stop from Arenal Lake to Monteverde. Another seen by the hotel in Monteverde.

MAMMALS (7 species recorded):

MAMMALS:— (7)

Central American Agouti *Dasyprocta punctata* —Small numbers seen at Arenal Observ. Lodge and vicinity. Also seen at the Children's Eternal Rainforest.

Variegated Squirrel *Sciurus variegatoides*—Seen at H. Bougainvillea.

Central American Spider Monkey *Ateles geoffroyi* —Several feeding on *Cecropia* fruits near the restaurant at Arenal Observ. Lodge.

White-throated Capuchin *Cebus capucinus* —A few seen at the Children's Eternal Rainforest. One day a troop came into the grounds of Cerro Lodge and took fruit from the feeders.

Mantled Howler Monkey *Alouatta palliata* —Small numbers seen well at La Selva Biol. Station.

Crab-eating Raccoon *Procyon cancrivorus* —One spotted by Adrienne during the boat ride on the Tarcoles River.

White-nosed Coati *Nasua narica* —A medium-sized group seen foraging near a parking lot at Arenal Observ. Lodge. A very large group was observed up close along the trail at the Children's Eternal Rainforest.

REPTILES & AMPHIBIANS (13 species recorded):

Spectacled Caiman *Caiman crocodilus*—Two seen at close range during the boat ride at Caño Negro.

American Crocodile *Crocodylus acutus*—Two huge ones and a small one seen during the boat ride on the Tarcoles River.

Black Spiny-tailed Iguana *Ctenosaura similis*—A few seen before arriving at Cerro Lodge. A large male near the parking lot at Carara N.P.

Green Iguana *Iguana iguana*—Several seen during the boat ride at Caño Negro. Others seen during the boat ride on Tarcoles R.

Common Basilisk *Basiliscus basiliscus*—Several large ones were on the mud bank alongside the giant crocodiles at the Tarcoles R. bridge.

Middle American Ameiva *Holcosus festivus*— One seen at La Selva Biol. Station and another along a trail at Arenal Observ. Lodge. Two more seen along the trail at Carara N.P.

Eyelash Viper *Bothriechis schlegelii*—One seen on a sign near the reception at Arenal Observ. Lodge and another on the back porch of Bill and Peg's room.

Green Palm Pit-Viper *Bothriechis lateralis*—Spotted by a tourist and seen by our group by the hummingbird feeders at the Monteverde Reserve.

Red-eyed Tree Frog *Agalychnis callidryas*—One seen on a sign by reception at Arenal Observ. Lodge.

Masked Tree Frog *Smilisca phaeota*—One found by participants atop a banana leaf in broad daylight at Arenal Observ. Lodge.

Savage's thin-toed Frog *Leptodactylus savagei*—(HO) Heard at the Arenal Observ. Lodge and Cerro Lodge.

Strawberry Poison Dart Frog *Oophaga pumilio*—Several seen along the trail at La Selva Biol. Station.

Green-and-black Poison Dart Frog *Dendrobates auratus*—A male and female were seen along the trail at Carara N.P.

OTHER FAUNA (species recorded):

BUTTERFLIES

Nymphalidae-Brushfoots

Monarch *Danaus plexippus*—Many seen at H. Bougainvillea where much milkweed was present.

Darkened Rusty Clearwing *Greta morgane oto*—One seen at H. Bougainvillea.

Orion Cecropian *Historis odius*—One sunning itself near ground level on a sign at Arenal Observ. Lodge.

Cloud-forest Beauty *Pycina zamba*—Two females seen ovipositing near the parking lot at the Santa Elena Reserve. This is apparently rare to uncommon in much of the region.

Papilionidae-Swallowtails

Polydamas Swallowtail *Battus polydamas*—Many seen feeding on flowers near the entrance to Cerro Lodge.

Riodinidae-Metalmarks

Dinora Metalmark *Brachyglenis dinora*—A clear-winged species seen along the forested trail at the Arenal Observ. Lodge.

Hesperiidae-Skippers

Pallid Scarlet-eye *Bungalotis quadratum*—A female was found on a window in the restaurant at Arenal Observ. Lodge.