



Beasts, Birds & Fishes.

Crocodiles are found in S America.

Gargeros or heronics, with every kind of heron, stork, crane and ibis, some snow white, delicate blue or brilliant scarlet.

In water are the sting ray with a horrible poisoned spine, the payara with snake fangs, the electric eel, above all the Caribe, like a stout gold fish with bulldog head & underhung jaw.

Black ayoti - kind of pig.

Curassowa birds - up lofty trees.

Perarucu - edible fish, large.

Sandpipers, teal, brown ibis.

Black Terns.

White bell bird, size of a pigeon.

Female Jaguar has longer shriller cry than male.

Felis tygrina, wild cat.

Murky flesh of Cayman.

Macaco - monkey.

Phyllostoma hastatum - Vampire bat.

Dolphin - manatee.

Insects ants, ticks, Jiggers, leeches, mosquitos.

Peccary. gland on back to be excised.

Lobo.

The flash of the humming bird is everywhere.

Rattlesnake on open Campos.

Jaracaca - Snake that attacks man.

Plants

Farina - preparation of flowers.
Mandioc, Plantains.

Second growth woods worse than Virgin Forest.

Purple berries of Melastoma

Huge cedars, great silk cotton trees.

Graceful Assai Palms 100 feet high.

Majestic ~~Muruti~~ Muruti Palms.

Everything covered with Convolvulus, passionflowers & Bignonias.

Gyantie trees draped in golden Allamandas. Scarlet stars of Tacsonia. Rich blue of Ipomoea. Undergrowth of Phoenix & Coco palms. Deep crimson creeping flowers of Cyrtandra on banks of streams.

Miltonia Veillaria with Oncidium Carthaginense. Orchids
Here also the magnificent pink and scarlet of Cattleya Triana and Odontoglossum.

As you ascend a mountain you come from the thick growth of the vegetable ivory palm to the bamboo, and then to the region of tree ferns
Mauritia Palms only grow in damp places.

Cow tree - palo da vaca.

Up the hills you get calceolarias, Verbenas & Heliotropes.

Root called Babasco, used for poisoning water & killing fish.

Europe has had more valuable economic plants & fewer valuable animals from South America than anywhere.

You may pass days & see no flowers

India rubber from sap of *Siphonia elastica*.

Horse tail mosses from every branch.

Brazilian wax palm (*Copernicia*) the most useful tree in the world 539.

Typical Geographical Points

The medanos or low sand dunes which alter their shape with the wind.

The Orinoco and the Amazon crossed through the Rio Negro.

Puyo... a gorge.

Cocha... a lake.

It is a granite continent hollowed out in great basins by water action & these basins filled with forests.

Indians

Zambo — half negro, half Indian.

Various half breeds are Chinos, Cascos, mestizos, Curibocos &c.

Goajiros are wild Indians of Colombia.

Drum language of the Iroquois tribes.

The high stepping walk of a marsh tribe.

Indians of Rio Negro are absolute savages. Many of the natives are below the stone age, absolutely unable to fashion anything. Chujinto tribes have no minerals, though the lowest Australian & Papuan can get up to 2. The lowest tribes live near Lake Titicaca.

Indians are usually reserved & impassive, a Mongolian trait — half Mongolian, half Caucasian. Polysynthetic speech different from any other in its essential construction. 100 separate languages with no relation to each other & nothing in common save Polysynthetic character.

Munducu - on N Bank of Amazon.

Chuncho Indians, unconquered even by the Incas, inhabit the head of the Amazon.

Cusco, the old Inca Capital, was 280 miles from Pacific. Savagery beyond it.

Amaguacas - wild tribe of Peruvian Border.
They cry like bears in the woods to decoy hunters & eat them.

Indias mousos - tame.
.. bravos - wild

Mopo Indians of Bolivia best boatmen.

Misanthos - Cannibals in Putumayo.

General Remarks about S America

The whole population of the Continent is less than that of the British Islands.

It is remarkable that the Portuguese have always conducted their political changes without bloodshed while the Spanish have always been the other way.

After Brazil became Portuguese they sprang up a race half Indian half Portuguese named Paulistas who showed enormous energy & conquered Brazil for Portugal.

The population of South America consists of whites, Indians, and negroes, but miscegenation is so great that it is rare in any settled district to find any pure family of either breed.

Brazil is so named from a red wood known by that name in Chaucer's time.

There is a debatable region between Peru & Ecuador - also between Peru & Colombia.

East + South of Brazil mountainous
West + North flat.

The atmosphere of the higher plains is
delightful after the gloom + damp of the
forests with their constant heavy odour of
decay. Birds, flowers + scents of savannah.

In the great forests both the animals + the
plants are climbers, all working up
towards the light. Jasmine, nettle &
learn to climb. Even a palm tree, the
Jaitara, climbs.

As the land ascends the trees are less lofty +
further apart. The long broad mossy leaves
+ creepers are absent. Flowers are more
profuse - ferns - Brazilian Pine
(Araucaria) - the only cone-bearer.

Sertões - name for barren upland

Miscellaneous Points

There are barrow graves or Auacas in Colombia many of which contain much gold.

Soroche. Impetuous Mountain Malady.

Once the Indians poisoned the wells with a kind of upas tree that they never recovered.

The priests found that it was not Saint George but the dragon that the folk worshipped.

Bore or Perisoco comes up river.

Lingoa Geral - one third Portuguese, two thirds Indian.

Rede's - native sleeping coat.

Frei José dos Santos Innocentos.

If Brazil were populated like Belgium it would contain more than the population of the world.

Concept of holes at dusk & dawn.

The Amazon:

The Amazon has a sluggish current with unnumerable backwaters, side streams & lagoons, flooded or dry in the various seasons.

The scene of the story would be between 0 & 10 N.L. Long from 70 to 80 W. Ascending the Amazon they would pass the town of Sambarem - Rio Negro on N Bank connecting with Orinoco. Pass Purus River on South. Pass the Japura River; Then come to the stream with the concealed mouth.

Amazon is pale yellow or olive in colour. Some branches black & some milky. You can tell by colour what country is drained by each.

From Dec to May the rains and waters rise. Begin to fall about June 21. Difference is 40 feet.

Gaps... Flooded lands.

Temp from 75 to 90.

Thunderstorms from 4 to 6.

Amazon Forest extends 2600 to 1000 miles

Solenn splendens not brilliancy prevails.

Flowers are strictly deciduous.

September good month - no rain.

Hot days with north wind but most
oppressive with South.

No real seasons.

2740 miles long.

Rise is 8 inches in a mile.

20 miles wide at many points

Campos... planis.

Prevailing wind is SE and a boat may
go under sail to the frontier.

