

Out of the oil emerges Venezuela's 'Jurassic Park' (Update, w/ Images)

September 5 2013, by María Isabel Sánchez



Venezuelan paleontologist Ascanio Rincon shows the skull of a glyptodont found in Venezuela, in Caracas on August, 30, 2013. Under the Venezuelan rich soil lies more than oil: paleontologists have found traces of an armadillo the size of a Volkswagen, a crocodile bigger than a bus, a mastodon of six tonnes and a saber-toothed tiger. Now, they walk after the human fossil.

Under the rich Venezuelan soil, paleontologists have found treasures rivaling the bountiful oil: a giant armadillo the size of a Volkswagen, a

crocodile bigger than a bus and a saber-toothed tiger.

Oil companies' surveys of the soil have uncovered a trove of fossils dating from 14,000 to 370 million years ago.

Many of the 12,000 recorded specimens from different eras are now kept in a tiny office of the Venezuelan Institute for Scientific Research.

A strong smell of oil fills the room as Ascania Rincon opens the drawer of a filing cabinet to reveal the tar-stained femur of a giant, six-ton [mastodon](#) from 25,000 years ago at the end of the Ice Age.

Unfazed by the significance of the finds already made, the head of the institute's Laboratory of Paleontology is intent on realizing his next goal: locating human fossils for proof of prehistoric human life in the area.

"We are close. You have to keep exploring the area. We have already found spearheads," he told AFP. "What's lacking is reliable indication that man hunted the [megafauna](#) that we are finding. And lacking are human fossils."

Located in northern South America, Venezuela has a complex [geological structure](#) that leaves it swimming in [oil deposits](#) teeming with life preserved from so very long ago.



Venezuelan paleontologist Ascanio Rincon shows bones of prehistoric animals found in Venezuela, in Caracas on August, 30, 2013. Under the Venezuelan rich soil lies more than oil: paleontologists have found traces of an armadillo the size of a Volkswagen, a crocodile bigger than a bus, a mastodon of six tonnes and a saber-toothed tiger.

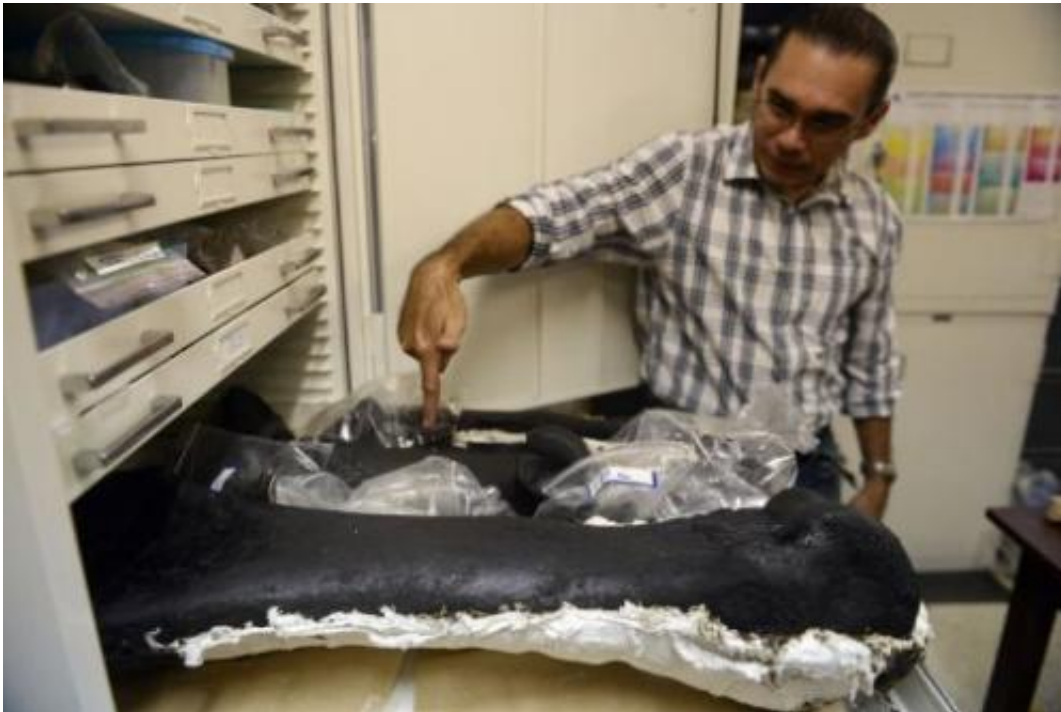
Most of the fossils are concentrated in a large area north of the Orinoco River where the Atlantic Ocean originated 200 million years ago, the [paleontologist](#) explained.

About eight million years ago, the Orinoco was formed, followed by the Isthmus of Panama (or Isthmus of Darien, which links North and South

America) about three to five million years ago.

The fossils found during the surveys include a featherless chicken that looked like an iguana, a three-meter (10-foot) pelican and giant sloths that lived on land 12 million year ago, unlike their modern relatives living in the trees.

But it can take years to prepare a fossil for classification. Experts needed four years after its discovery to identify a saber-toothed tiger, a darling of the collection dubbed *Homotherium venezuelensis*.



Venezuelan paleontologist Ascanio Rincon shows bones of prehistoric animals found in Venezuela, in Caracas on August, 30, 2013. Under the Venezuelan rich soil lies more than oil: paleontologists have found traces of an armadillo the size of a Volkswagen, a crocodile bigger than a bus, a mastodon of six tonnes and a saber-toothed tiger.

Once a fossil is found, experts must remove the sediment, transport it, wash it and carefully compare it to existing specimens.

In September, the institute plans to announce the discovery in a remote area of the country of a new species, Rincon said proudly, without revealing the whole surprise.

"Imagine a puzzle of 5,000 pieces and you have 200 pieces you are trying to interpret and draw a conclusion that might contribute something to science," he said.

Rincon's laboratory, staffed with only five researchers, has state and private support but lacks the logistical and technological resources of similar operations in other countries.



Venezuelan paleontologist Ascanio Rincon shows a jaw of a prehistoric animal found in Venezuela, in Caracas on August, 30, 2013. Under the Venezuelan rich soil lies more than oil: paleontologists have found traces of an armadillo the size

of a Volkswagen, a crocodile bigger than a bus, a mastodon of six tonnes and a saber-toothed tiger.

His team finds in paleontology a mission to raise awareness of what was on the planet millions of years ago and encourage people to care for the Earth today.

"We are destroying what little is left of the forests, oceans, deserts; we are destroying our ecosystems and accelerating extinction," said Rincon.

The researcher, who knew he wanted to be a paleontologist since he was eight years old, urged the younger generations to take up the torch.

"Paleontology is fun. It seems that it has no use, but it has economic implications. With a fossil record, we can determine the age of an oil field," he said.

© 2013 AFP

Citation: Out of the oil emerges Venezuela's 'Jurassic Park' (Update, w/ Images) (2013, September 5) retrieved 25 April 2024 from <https://phys.org/news/2013-09-oil-emerges-venezuela-jurassic.html>

This document is subject to copyright. Apart from any fair dealing for the purpose of private study or research, no part may be reproduced without the written permission. The content is provided for information purposes only.