MEET THE COLOSSAL ANIMALS OF THE ICE AGE



SHORT-FACED BEAR

The short-faced bear (scientific name Arctodus) is the largest bear ever to have existed. At 3.6 metres tall, it stood at double the height of an adult person and weighed as much as a small car. These bears were not only huge, they



Bone-Crushing Bite

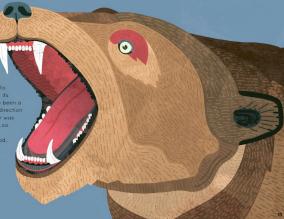
The skull of Arctodus had a short shout in comparison to other bears. A shorter shout means more power, so we know this bear was capable of crushing bone with its jaw's to get to the marrow inside. This tells scientists that Arctodus ofter scavenged for food.

Next of Kin

The short-faced bear became extinct 10,000 years ago. This may have been because other predators ale their food source, along with humans hunting them for fur and meat. The closest living relative and last of the *Arctodus* group is the spectacled bear, which lives in South America,

Bulky Bear

With long limbs, this bear was well equipped to run at speed to hunt. But its massive bulk would have been a burden when changing direction during a chase. The bear was too large to turn quickly, so agile prey could escape. When scavenging for food, it used its intimidating size to scare other predators away.





There are at least seven ditterent species of huge Ice Age herbivores known as giant deer or giant ells, scientific name Megaloceros. The largest and most magnificent was Megaloceros giganteus. It stood 21 metres tall at the shoulder, and crowning the mole's head was a pair of gigantic antiers with a spon equal to the height of five adult people A giant ells's antiers alone weighed 45 kilograms, which were supported by its strong neck. Like deer today, male giant ells khed their antiers each spring to regrow them for autumn, when they would clash in brutal battles to win over temales.

Deer Distribution

Confrory to its name, Megaloceros was not an elk. It was a close relation of foday's red deer, but with a thickset, moose-like body. Many well-preserved fossils have been found in bogs in Ireland, but we know giant elk lived all over Europe and parts of salo. Irels mythology from the twelfth century mentions this huge deer, calling it Fladh Mor, or the great deer, with antilers taller than a medical property of the great deer, with antilers taller than a medical property.

Long-Distance Deer

The giant elk had two things in its favour to escape predators - speed and stamino. Scientists say these mose like animals could run great distances, wearing out predators brave enough to chase them. As they were social herbityres, travelling and grazing in herbs like modernday deer, glant elk probably chased off prowling hunters in groups to protect their vulnerable fawns.

Ancient Evidence

Ancient cave paintings of giant elk have been discovered all across Europe, which tell us how important these animals were to people as a source of food. Our lee Age human cousins would have hunted tactically, to take down these dangerous deer, driving them into dense forests where their onliers were too wide to fit between the trees, which made them easier to catch. Nobody reality knows what led to the giant elk's extinction, but it survived in Siberia until less than 9,000 years ago.



Behemoth Bears

Orbus spenaeus wids a species of cave bear that lived across much of Europe and west Asia during the Ice Age. The fearsome males stood up to 3 metres tall and weighed half a tone, although females were much smaller, weighing half that. Cave bears mainly fed on plants, seeds, berries and hone but they occasionally hunted small mammals and scavenged other cave bears that had diet

Seeking Shelter

After a day spent foraging for fruit and raiding insect nests, these solitary bears returned to caves for cover. When the brutal Ice Age winter approached, they would venture deeper into cave tunnels to take shelter and hibernate, like some madern-day bears. This deep sleep helped cave bears to conserve energy and survive while food was scarce, but even hidden away deep in a funnel they were not completely safe. There was one menacing predator that skulked in deep, dark caves, hunting these sleeping giants.



Carnivorous Cave Cats

Cave lons, scientifically known as Praintera lea spelace, were 25 per cent bigger than liant today. Prehistoric cave art tells us that cave lians had neck manes and faint stripps, and that they hunted in prides, taking down horses deer, bison and other large herbivores. In 2015, in northeastern Russia, scientists discovered a pair of preserved cave lian cubs who died at least 25,000 years ago, with inner organs, ears, fur and whiskers intact.



The cave lion is so-called because many of its remains have been found in caves across Eurasia, but it actually lived in forests and grasslands. These predators preyed upon hibernating cave bear cubs, stealing them away whilst the adult slept. This might sound like an easy meal, but by the number of lion benes found in caves we can guess that it didn't always end well for these big cats!





According to Māori legend, enormous flightless birds once roamed the forests of New Zealand. These birds were the moa. There were 10 or more species, and their preserved feathers show they varied in colour. The females of the biggest species stood at 3.5 metres tall and weighed the same as two astriches! Mao had long necks and, like ostriches, would have held their heads close to the ground to search for low-growing greens. These big birds kept a lookout too, craning their neck to scan for their only preddor (before humans arrived) – Haast's eagles.





North Island moa

Female maa were much bigger than the males and mare than twice as heavy. Scientists think that dire a female laid her eggs, the male took care of them while she went to forage. This is because eggshell fossils show the shells were too thin to have taken the female's weight. While foraging, mao ate twigs, berries, leaves and occasionally sharp rocks and gemstones. These stones are called gastroliths, and they stay in a part of the gut called a gizzard and help to crush food into a pulp. This is common in birds, because they don't have teeth to grind up food.

Haast's eagle

South Island moa

A Special Find

pland moa foot

In 1986, scientists were exploring the gloomy caves of New Zealand's South Island when they stumbled on a remarkable find – a 3,000-year-old upland moa foot with scales, claws and flesh still preserved!

No Meal Too Big

Haast's eagle, or Harpagarnis moorei, was the largest eagle ever to have lived. It weighed up to 15 kilograms, nearly twice as much as the heaviest eagles alive today, such as Steller's sea eagle. Haast's eagles were the top predators of New Zealand at the time, with bone-puncturing talons the size of tigers' claws, short wings for navigating through the dense forests and a broad beak. This daring carnivarous raptor hunted the mightly moa, despite it being ten

Deadly Diver

It's thought these terrifying birds of prey could have swooped down at up to 80 kilometres per hour, striking moa to the ground. Scientists have found lots of moa skeletons with holes that are an exact match to the talons of Haast's eagles.

Two Birds with One Stone

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They hunted moa for food, destroyed their habitat and introduced animals that preyed on moa eggs. By the end of the same century, moa had all vanished, and with no prey to eat, Haast's eagles met the same fate soon after.