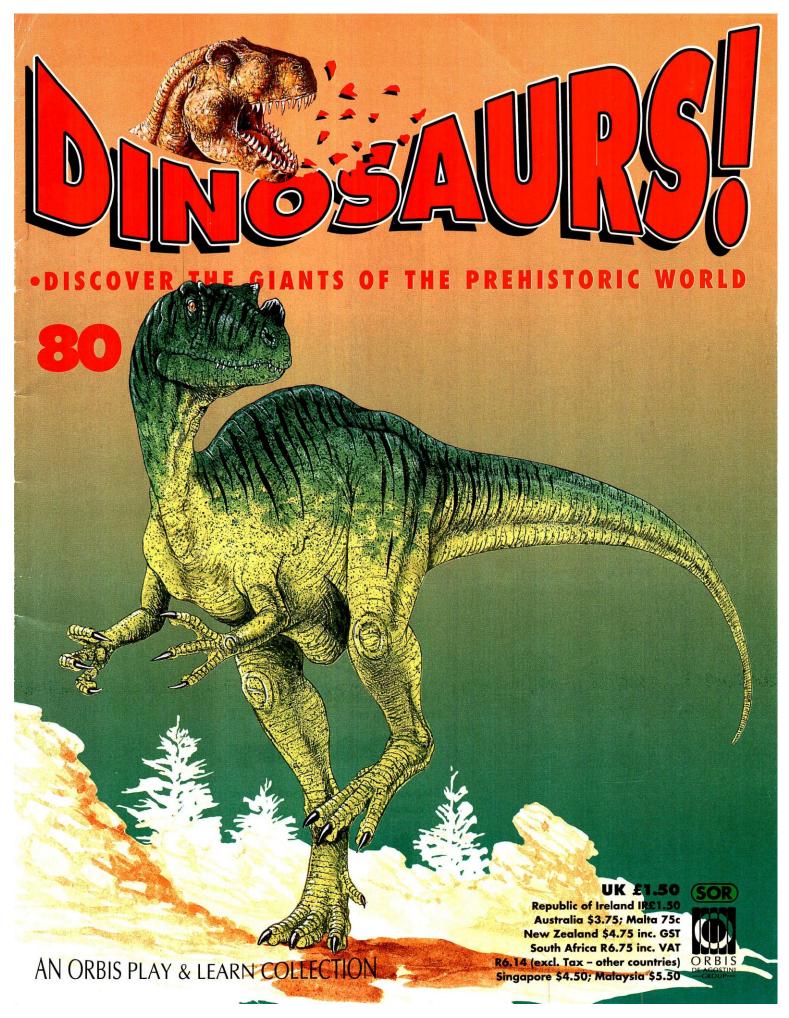
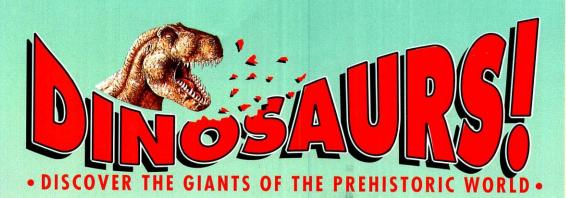
# ESTA REVISTA FOI DIGITALIZADA A FIM DE DIFUNDIR CONHECIMENTO E PRESERVAR O MATERIAL. É PROIBIDA A VENDA DESTE MATERIAL E USO PARA FINS LUCRATIVOS!



WWW.IKESSAURO.COM







Meet three more amazing prehistoric creatures AMEBELODON 1897 **PROCERATOSAURUS** 1900 **DESMATOSUCHUS** 1901



Put dinosaurs on the map in ATLAS OF FINDS: EUROPE 1902



Test your knowledge and see if you can SPOT THE DINO 1910



What did dinosaurs really look like? Discover how opinions differ in THE CHANGING **FACE OF STEGOSAURUS** 1912



A DAY IN THE LIFE OF **DILOPHOSAURUS** 

1916

## HOW TO DRAW

Add to your dino drawing collection with Diplodocus 1920



Dr David Norman of Cambridge University answers more of your dinosaur queries BACK COVER

## PLUS



A baby Amebelodon is in danger from a big cat 1907



Stegosaurus is ambushed by two Allosaurus



More fascinating trivia and the weekly quiz 1918

## **HOW TO CONTINUE** YOUR COLLECTION

Most people collect their issues by placing a regular order with their newsagent. You can, however, also obtain your copies directly in the following ways:

### UK and REPUBLIC OF IRELAND

If you have any difficulty obtaining your copies of DINOSAURSI from your regular retailer, telephone Nicky Scott on 081-846 9977.

Subscriptions: Phone 0424 755755 for information (Mon-Fri, 9am-5pm). **Back issues:** If you miss any issues of

Back issues: If you miss any issues of DINOSAURSI, these can be ordered through your newsagent. Alternatively, you can order back issues by phoning 0424 755755 [Monfri, 9am-5pm]. Credit card orders accepted. Or write to: Back Issues Department, DINOSAURSI, PO Box 1, Hastings, TN35 4T]. Back issue charges: Issue 1: 30p. All other issues: £1.50. Postage and packing: 50p per copy. When ordering, please enclose: 1. Your name, address and postcode.

2. The issue number(s) and number of copies of each issue you require.

- 2. The issue intimities of the copies of each issue you require.
  3. Your payment. This can be by postal order or cheque made payable to Orbis Publishing Ltd.
  You can calculate the amount based on the charges shown above

### Binders:

UK: DINOSAURS! binders are now available Each binder holds 13 issues and costs just £4.95 [including £1 p&p]. You can order binders direct from: DINOSAURSI, PO Box 1, Hastings, TN35 4TJ. Please enclose payment for £4.95 for each binder. You can pay by cheque or postal order made payable to Orbis Publishing Limited, or phone 0424 755755. Telephone credit card orders are accepted.

Republic of Ireland: Binders are available through your newsagent, priced at £4.95.

### AUSTRALIA

Back issues: Write to: Gordon & Gotch Itd. P.O. Box 290, Burwood, Victoria 3125. Please enclose your payment of the cover price plus \$1

Binders: Details will be published in future issues. Or you can write to: DINOSAURS! Binders, Bissett Magazine Service Pty Ltd, MC Box 460, Eastern Mail Centre, Victoria

### NEW ZEALAND

Back issues: Write for details to: Gordon & Gotch Ltd, P.O. Box 584, Auckland.

Binders: Write for details to: Gordon & Gotch Ltd. P.O. Box 584. Auckland

Back issues: These can be ordered through

**Binders:** Write for details to: Miller (Malta) Ltd, Valetta.

### **SOUTH AFRICA**

Back issues: Telephone 011 402 3816 for details. Or write to: Back Issues Department, Republican News Agency, PO Box 16034, Doornfontein, 2028. Please enclose your payment of the cover price plus 2 Rand per

issue p&h.

Binders: These can be obtained at the shop where you bought this magazine.

SINGAPORE, MALAYSIA

Back issues and binders: These can be obtained at the shop where you bought this

DINOSAURS! is published by Orbis Publishing Ltd Griffin House
161 Hammersmith Rd
London W6 8SD
© 1994 Orbis Publishing

**EDITORIAL & DESIGN by** Tucker Slingsby 3G London House 66-68 Upper Richmond Rd London SW15 2RP

N80 94 10 13 ISBN 0 7489 1680 6

Printed in Italy by Officine Grafiche De Agostini, Novara



## AMEBELODON

Amebelodon had the two tusks we see on elephants today, plus two massive shovel-shaped tusks.

G

reat areas of grass covered much of the world during the Late Miocene, 10 million years ago. These grassy

## **AGE OF THE ELEPHANTS**

The first elephants lived in Africa. They looked more like today's pygmy hippopotamus than elephants. Later, elephants were much larger and had tusks. They fed on plants and became very successful. Soon they spread all over the world. By the Miocene there were dozens of different types roaming the plains.

plains were criss-crossed by broad rivers **BIG TUSKER** that teemed with a wide variety of plant Amebelodon was a 'shovel-tusker'. life. Amebelodon was a 7m-Shovel-tuskers were among the long elephant that used most common large its amazing tusks like mammals that lived the scoop of an during the Miocene earth-mover - to Period. They plough up the belonged to the plants that gomphothere lived in the family of shallow elephants. water. 1897





### **PACK IT IN**

After it had sliced off vegetation with its tusks, *Amebelodon* probably used its trunk to pick up clumps of plants and push them up into its mouth. *Amebelodon* may also have used its trunk to drink water, just like today's elephants.

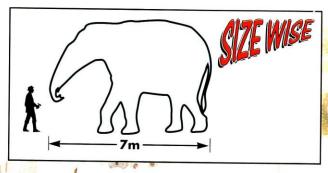
Amebelodon had a second set of tusks, which were shaped like shovels. It used them to scoop up food, just as an earth-mover scoops up earth.

## **SPADE BLADE**

Amebelodon got its name because of its tusks – the name means 'blunt weapon tooth'. The two strange tusks on the lower jaw of Amebelodon formed a wide cutting tool. Each flattened tusk looked rather like a spade and ended in a sharp blade. Amebelodon used its knife-like tusks to slice through large clumps of vegetation when it ate. It may also have used its tusks to dig up the ground to get to delicious plant roots.

## **TERRIFIC TRUNKS**

Although there is no direct fossil evidence, experts think *Amebelodon* had the same kind of flexible trunk as today's elephant.





## **GENTLE GIANTS**

Apart from its shovel tusk, *Amebelodon* was very much like today's elephant. It was about the same size and it had the same shaped body. The prehistoric mammal also had the same long, pillarlike legs to support its great weight. *Amebelodon* was a peaceful grazer and,

like today's elephants, it was
probably a sociable animal and
may well have lived in a
herd. Family members
probably stayed
together all
their lives.

## MONSTER FACTS

- NAME: Amebelodon (am-eh-bel-oh-don) means 'blunt weapon tooth'
- GROUP: mammal
- SIZE: up to 7m longFOOD: water plants
- LIVED: about 10 million years ago in the Late
  Miocene in North America

## **ALL CHANGE**

Amebelodon's tusks were ideally suited to scooping up water plants. When the climate changed and the rivers dried up, Amebelodon was in trouble. The shovel-tuskers could not adapt to eat anything except plants and they died out, to be replaced by today's elephants.

A mother and baby Amebelodon stroll down to the river to feed on the succulent water plants. The baby's tusks are nowhere near full size, but they can scoop up enough food to satisfy his appetite.





## PROCERATOSAURUS

Proceratosaurus was a fierce meateater with strong jaws and teeth.



Proceratosaurus' skull was discovered in England in 1910. Experts disagree about which meat-eaters are its closest

relatives. Some believe it is an ancestor of the ceratosaurs and some that it is one of the earliest tyrannosaurs.

## MONSTER FACTS

- Proceratosaurus (pro-ser-at-oh-saw-rus) means 'before Ceratosaurus'
- GROUP: dinosaur
- SIZE: up to 3m long
- FOOD: meat

LIVED: 200 million years ago in Mid Jurassic Europe

## **NOSEY KILLER**

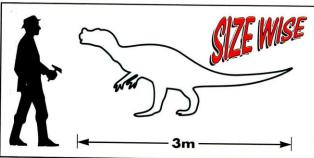
Proceratosaurus had a small horn on its nose. Ceratosaurus had a similar horn, which is why some scientists think they are related. Proceratosaurus was a typical carnosaur with a large head, strong jaws and sharp

teeth. It probably had strong legs and short

arms.

## **HUNTER HUNTED**

Even a fierce meat-eater such as *Proceratosaurus* had enemies. *Megalosaurus* was twice as big and could easily have killed the smaller dinosaur.







## DESMATOSUCHUS

Millions of years ago, giant armoured reptiles roamed the land.

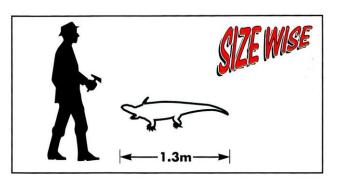


The two curved horns on its back made *Desmatosuchus* one of the fiercest looking plant eaters. This tank-like

creature was an aetosaur. They were a group of armoured reptiles that lived in the Late Triassic Period.

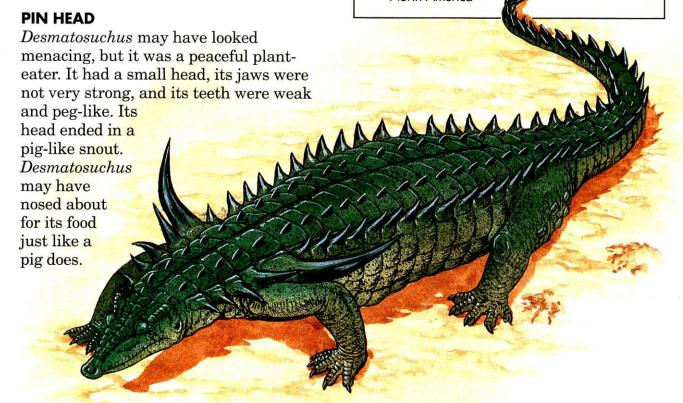
## **SHELL SHOCK**

Desmatosuchus had plates of bone covering its back, tail and part of its stomach. A pair of tusk-like spines jutted out from its shoulders. Its bony armour would have deterred larger carnivores, such as *Ornithosuchus*, from attacking it.



## MONSTER FACTS

- NAME: Desmatosuchus (des-mat-oh-soo-kus) means 'musk crocodile'
- GROUP: reptile
- SIZE: up to 1.3m long
- FOOD: plants
- LIVED: 220 million years ago in Late Triassic
  North America



# Atlas of finds

## Europe

Dragons or giants? For years the identity of giant bones found in Europe remained a mystery.

e know what dinosaurs looked like and how they lived because scientists have studied their fossils. But until 1841 nobody had ever heard of the word 'dinosaur'. A few fossils of giant reptiles had been found, but no one knew what they were. Some people thought they were dragon bones, some thought they belonged to giants, and others that they were animals that had lived before Noah's flood. It was in Europe that scientists first began to study dinosaur fossils. They realised that the bones belonged to a special

*1902* 

## **GREAT BRITAIN Many Early Cretaceous** dinosaurs have been found in Britain. In 1983. a new giant flesh-eating dinosaur, Baryonyx (1), was discovered by amateur fossil hunter William Walker. In 1994 new Polacanthus (2) fossils were discovered on the Isle of Wight, which have changed how we think it looks. In 1811 in Dorset, Mary Anning and her brother found the first complete fossil Icthyosaurus (3). **PORTUGAL** Peaceful planteater Camptosaurus (4) was found in **Torres** Vedras. **SPAIN** Fossils of one of the longest

surviving dinosaurs,

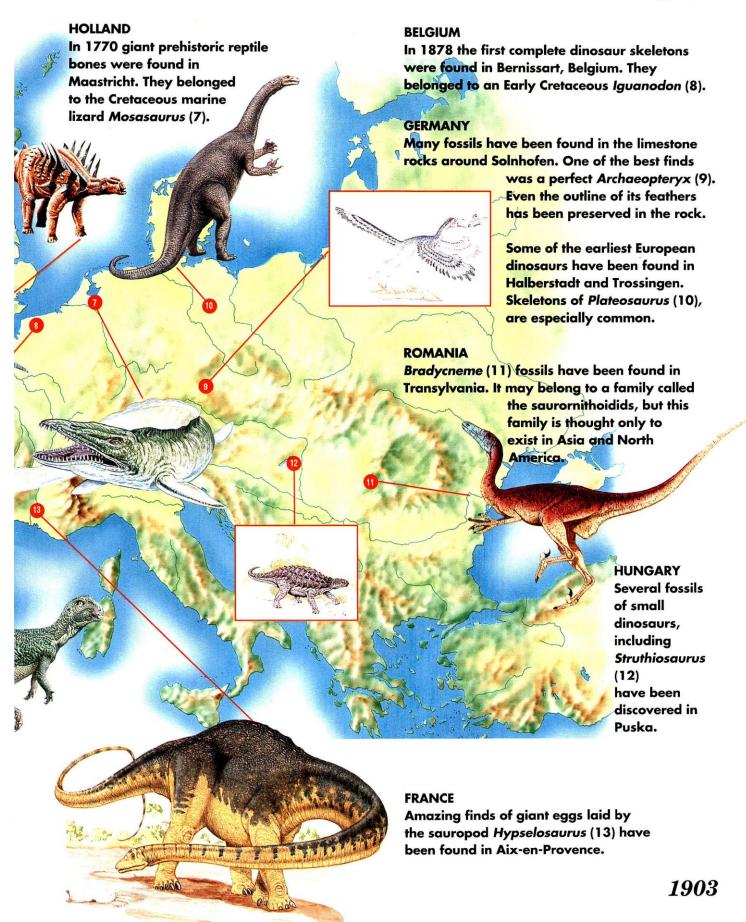
found in Spain.

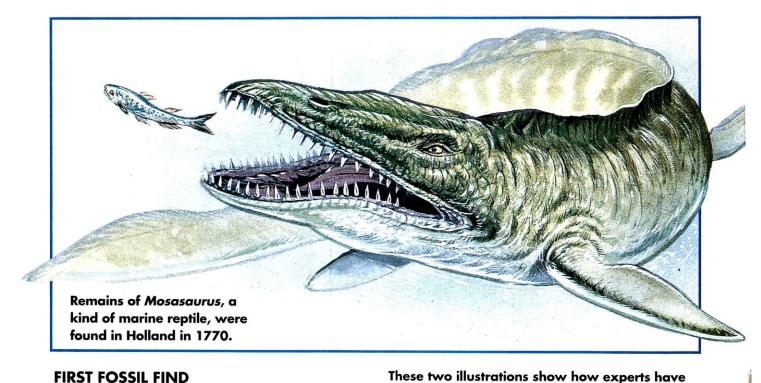
Hypsilophodon (5), have been

the important fossil finds in Europe.

type of ancient reptile.

This map shows some of





## **FIRST FOSSIL FIND**

The first gigantic fossils from the time of the dinosaurs were found by workmen in Maastricht, Holland, in 1770. They sold the head and jaws to a local doctor. Dr Hoffman. We now know they were the remains of a giant sea reptile called Mosasaurus. But at that time, no one knew what the bones were.

A TROPHY OF WAR

The Mosasaurus fossils were put into the Maastricht Museum. In 1795 France invaded, and General Charles Pichegru took the fossils back to Paris where they remain today, a trophy of war!

## **FOSSILS IN THE COAL**

In 1878 Belgian coal miners found a fossil bone. They dug it out and sent it to the Belgium Natural History Museum. A scientist, Louis Dollo, recognised it as a bone from an *Iguanodon*. Over the next 20 years he found a herd of about 30 *Iguanodon* in the same mine.

looked like. The new picture (below left) has more spikes and they point upwards rather than sideways, like the old picture (below right).

changed their ideas about what Polacanthus



### **TOOTHY STONES**

In the early 1800s an amateur fossil hunter from England, Gideon Mantell, was given some strange stones with large teeth embedded in them. He believed they belonged to a giant prehistoric reptile, but the experts disagreed. Years later, people realised Mantell was right. The teeth belonged to an *Iguanodon* that lived about 110 million years ago.

### **LATEST FINDS**

In 1994 a complete *Polacanthus* skeleton was found on the Isle of Wight in England. The front half of the animal had been found 100 years earlier, but nobody knew what the whole thing looked like. The new fossils promise to reveal the truth about *Polacanthus* and we should soon know what it really looked like.



In 1983 an amateur fossil hunter called William Walker found a perfectly preserved claw in a clay pit in Surrey, England. The claw was huge – 31cm long and sharply curved. Mr Walker took his find to the Natural History Museum, which set up a dig immediately. They discovered an almost complete skeleton. After months of study, they named the new dinosaur Baryonyx walkeri in honour of William Walker.

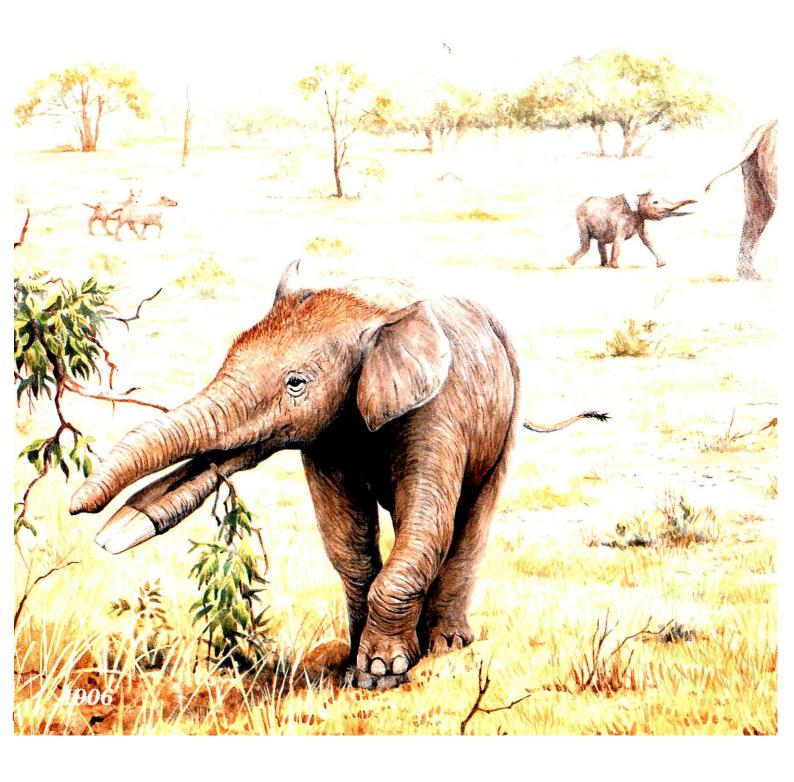
## TTO A TACT

## MOST FOSSILS ARE FOUND BY ORDINARY PEOPLE

Fossils finders are not always scientists. Most fossils are found by ordinary people or amateur fossil hunters. It is the job of palaeontologists to study the finds and decide what the animal is, what it looked like and how it lived.

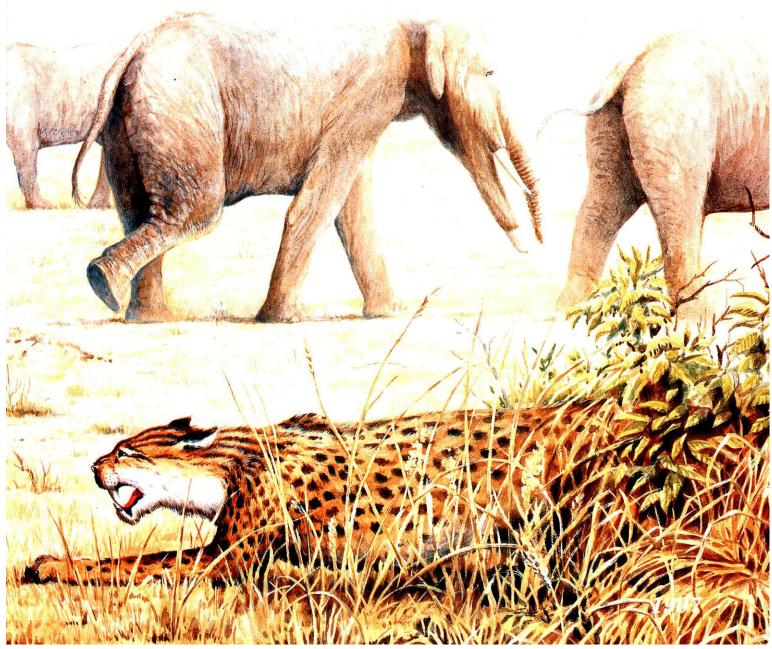






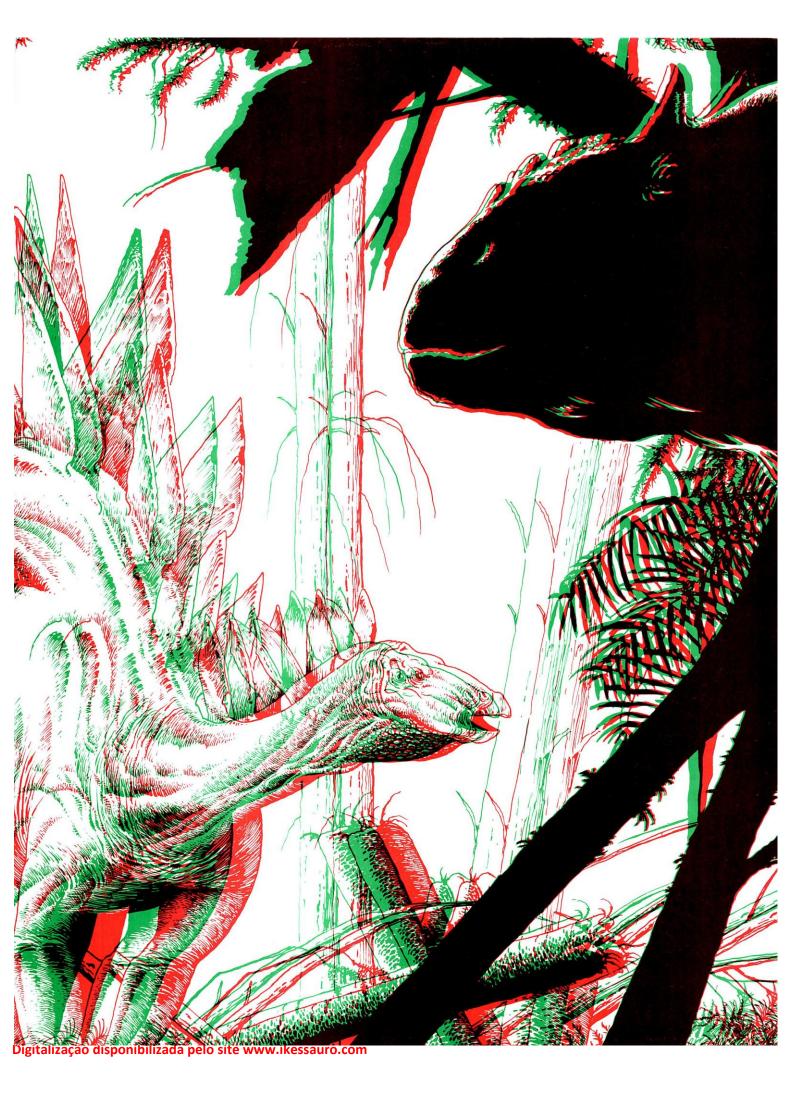
## **AMEBELODON**

On the grassy plains of Late Miocene North America, a herd of Amebelodon are grazing peacefully. With their great bulk and massive tusks, adult Amebelodon are well equipped to protect themselves against predators. But the very young and very old are vulnerable to attack. A large stabbing cat has spotted a baby away from the rest of the herd and is about to pounce. It has to be quick to escape with its kill before the herd is alerted by the baby's cries.



Digitalização disponibilizada pelo site www.ikessauro.com







## Spot the dinos!

All these creatures lived millions of years ago. But not all of them were dinosaurs. Look at each animal carefully. See if you can name it and spot which are the dinosaurs!



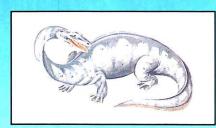
lues to consider are: when did the creature live? Was it during the Age of the

Dinosaurs? Does it it look and behave like a dinosaur? Check the answers opposite to see how good a dinosaur spotter you are.

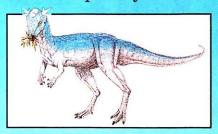
**CREATURE 3** 



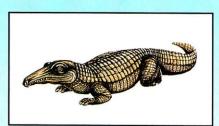
CREATURE 1
SIZE: 60cm long
LIVED: Late Triassic
CLUE: had five-fingered hands



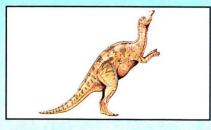
CREATURE 2
SIZE: up to 3m long
LIVED: Mid Triassic
CLUE: swam in the sea



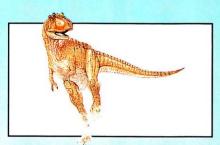
SIZE: 3m long
LIVED: Cretaceous
CLUE: held out tail when running



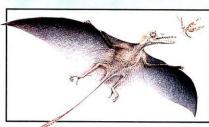
CREATURE 4
SIZE: 1.5m long
LIVED: Triassic
CLUE: crocodile-like creature



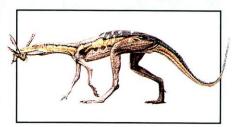
CREATURE 5
SIZE: 8–10m long
LIVED: Late Cretaceous
CLUE: had a toothless beak



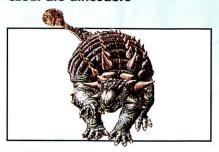
CREATURE 6
SIZE: 9m long
LIVED: Cretaceous
CLUE: ate dinosaurs



CREATURE 7
SIZE: wingspan over 63cm
LIVED: Late Jurassic
CLUE: had wings made of skin

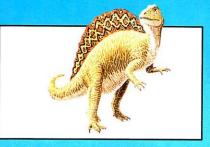


CREATURE 8 SIZE: 30cm long LIVED: Mid Triassic CLUE: agile hunter



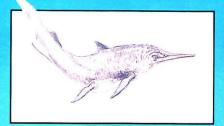
CREATURE 9
SIZE: 10m long
LIVED: Late Cretaceous
CLUE: armoured body

## SPOTTER'S GUIDE

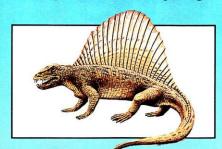


back

## CREATURE 10 SIZE: 10–12m long LIVED: Cretaceous CLUE: sail of skin on



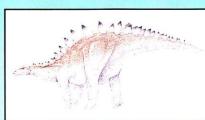
CREATURE 11
SIZE: 1 m long
LIVED: Triassic
CLUE: gave birth to live young



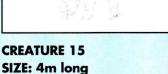
CREATURE 12 SIZE: up to 30m long LIVED: Late Jurassic CLUE: ate plants





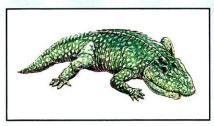


CREATURE 14
SIZE: up to 4m long
LIVED: Late Cretaceous
CLUE: had distinctive neck frill



LIVED: Middle Jurassic

**CLUE:** spikes on tail



CREATURE 16 SIZE: up to 2m long LIVED: Early Permian CLUE: ate fish and amphibians

CREATURE 17
SIZE: up to 2m long
LIVED: Early to Mid Triassic
CLUE: may have had whiskers

## **ANSWERS**

is not a dinosaur	
Cynognathus	(ZL)
is not a dinosaur	
Eryops	(9L)
is a dinosaur	
Hnayangosaurus	(SL)
is a dinosaur	
Brachyceratops	(PL)
is not a dinosaur	
Dimetrodon	(ET)
is a dinosaur	
Ultrasauros	(ZL)
rupsonib a ton si	
Mixosaurus	(LL)
is a dinosaur	
Spinosaurus	(OL)
is a dinosaur	
Ankylosanrus	(6)
is not a dinosaur	
radosncyns	(8)
is not a dinosaur	
sordes	<b>(Z)</b>
is a dinosaur	
Albertosaurus	(9)
is a dinosaur	
Hadrosaurus	(5)
rupeonib p ton ei	
Proterosuchus	( <del>1</del> )
is a dinosaur	
450lomigyt2	(5)
rupeonib p ton si	
Nothosaurus	(2)
is a dinosaur	2 2

## **KEY**

Saltopus

PERMIAN PERIOD
290-245 MYA
TRIASSIC PERIOD
245-204MYA
JURASSIC PERIOD
204-140 MYA
CRETACEOUS PERIOD
140-66 MYA

(L)





# The changing face of Stegosaurus

Reconstructions of *Stegosaurus* have altered over the years. How and why have its looks changed?

magine you have a plastic construction kit of an aeroplane or a ship. Now imagine that half the pieces are missing, but you still have to build the model. You would just have to try to guess what the missing bits were like and make them out of modelling clay. This is just like reconstructing dinosaur skeletons – they are hardly ever complete and palaeontologists have to use a great deal of imagination.



Perhaps
Stegosaurus
used its plates
as weapons. It
may have
been able to
turn them to
point towards
an enemy, just
like today's
porcupine
(left).

## WE DON'T KNOW IT ALL

Even when they are almost complete, as in the case of two known *Stegosaurus* skeletons, there are no instructions. Again, you have to use your imagination.

Early artists showed

Stegosaurus with a double row of plates in pairs.



### A CONFUSING JUMBLE

When they are found, *Stegosaurus* skeletons are usually lying on their sides. In life, the plates and spines were embedded in the skin rather than attached to the skeleton. Now they lie scattered around. It might be obvious how the bones of the skeleton fit together, but where do the plates and spines go? That is the question that has puzzled palaeontologists ever since this animal was first discovered by Othniel Charles Marsh back in 1877.

## that there's a difference between a reconstruction and a restoration?

Usually when a palaeontologist talks about a reconstruction, he or she means a fossilized skeleton put together from pieces and built up into a whole. A restoration, on the other hand, is a picture, or a model, of what the artist thinks the animal looked like when it was alive.

## SLAP-DASH ARTISTS

When Marsh first described his ideas of what Stegosaurus looked like, he mentioned a double row of plates down its back. However, the diagram of the skeleton that he published only

seemed to show a single row of plates. He may have drawn it this way to make the picture clearer. Artists who looked at the diagram without reading the paper then restored *Stegosaurus* with a single row of plates along its back.

## WHAT KIND OF PLATE RACK?

Later artists were more careful, painting *Stegosaurus* with a double row of plates. Usually, the plates were drawn arranged in pairs. During the 1920s more and more palaeontologists came to believe that the plates were arranged in a double row, but in an alternating pattern – a plate on the left being followed by one on the right followed by one on the left, and so on.



Some scientists believed that the plates of *Stegosaurus* lay flat. This would have given it a similar protection to today's pangolin (above).

### **NOVEL GUESS**

One or two scientists thought that the plates did not stick up at all. They believed that they lay flat on the back of *Stegosaurus*. This would certainly have made the plates more useful as armour.

### AND HOW MANY SPINES?

Most experts agreed that *Stegosaurus* had spines growing from the end of its tail, but were there two pairs, or were there four?



### A PUZZLING POINT

During the 1970s another puzzle cropped up. Scientists not only wondered how the plates were arranged, but they began to wonder what they had been used for.

### CHINKED ARMOUR

Scientists had always assumed that the plates were armour of some sort. But there was still some doubt. Why did the plates stick up in the air – as most scientists were sure they did – when armour should really lie flat? Why were they not attached to the skeleton but only embedded in the skin, where they would have been easily wrenched out in a fierce fight?

## TEMPERATURE REGULATORS

Jim Farlow, an American palaeontologist, came up with another idea. Maybe these plates were not armour at all. Maybe they were heat exchangers. If they were covered in skin, they could be held up to the

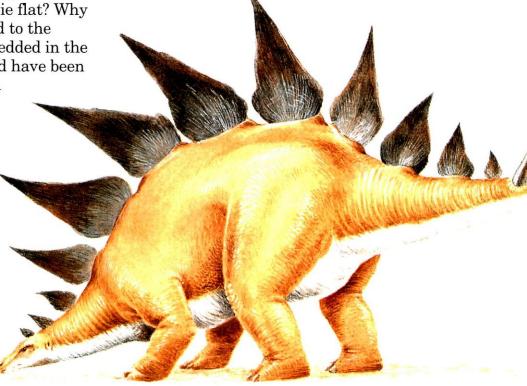
sunlight to warm the animal's blood when it was cold.

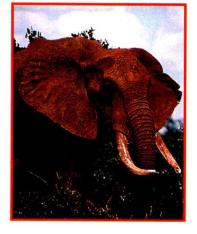
### **VEIN EVIDENCE**

When the plates were cut across, scientists found that they were filled with blood vessels. Skin contains veins and arteries, so perhaps the plates were covered in skin. However, if the plates were for armour, they would have been covered in horn. Though the horn would have needed blood vessels, too!

## that *Stegosaurus* may have had two brains?

This is an old idea based on the fact that there is a big hole in *Stegosaurus'* hip bones, near the spine. This may have been where all the leg and tail nerves came together, or it may have held a gland of some sort. It didn't hold an extra brain!





African elephants use their broad ears to cool down. The wind passing over their large surfaces cools the blood. Perhaps Stegosaurus used its plates in the same way.



### FIT FOR THE JOB

How would the function of the plates affect their arrangement? Plates for armour would work best lying flat.

One scientist, Robert T.

Bakker, has suggested that the armour plates stuck straight up, but

their bases were embedded in masses of muscle. This would mean that they could be turned so that their sharp edges could be pointed at an attacker.



The idea that the plates were used to heat up or cool down the animal fits in with the 1920s theory that the plates were arranged in alternating rows. With this pattern, one plate would have had less chance of shading another.

Also, the biggest area possible would be exposed to the sun or the wind.

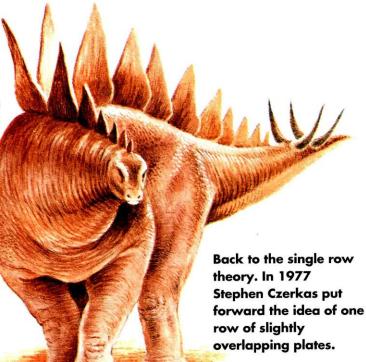
If the plates were used to control Stegosaurus' temperature, then the most sensible pattern would be a double row of alternating plates.

## OLD IDEA REVISED

In 1977 the palaeontologist and sculptor Stephen Czerkas suggested that the plates were arranged in a single row. His theory was different from the singlerow theories that had gone before, because he believed the plates overlapped slightly.

### WHAT NEXT?

The latest ideas are based on a skeleton found in 1992 by palaeontologist Brian Small. This fossil seemed to suggest that the plates, whatever they were used for, were arranged in a double alternating row. However, the spines on the end of the tail pointed outwards. What will the next skeleton show?





## A DAY IN THE LIFE OF DILOPHOSAURUS



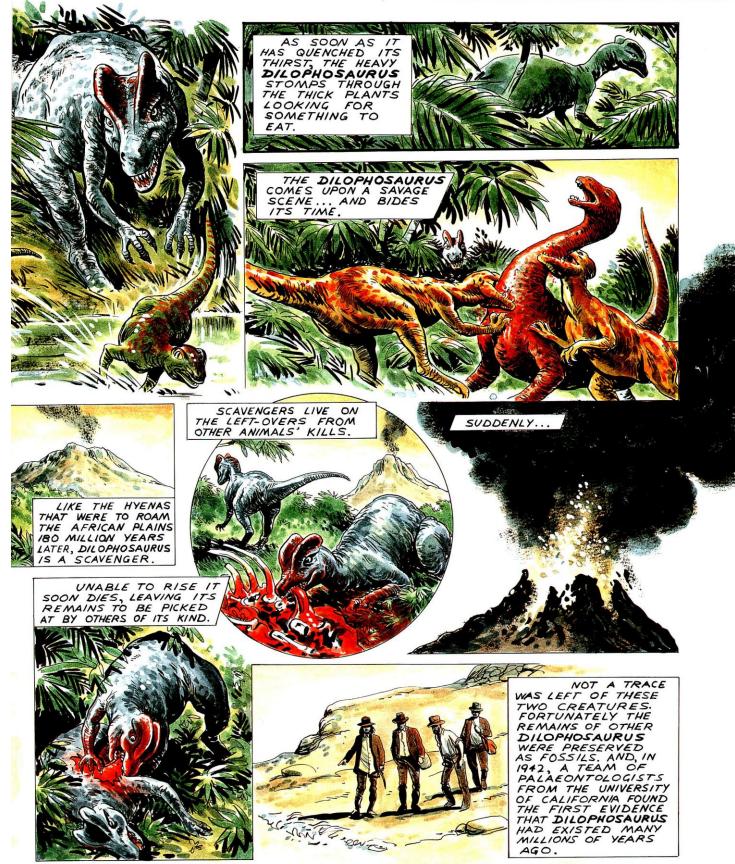
THE DINOSAUR
TRUNDLES TO A
NEARBY WATERING
HOLE TO GULP DOWN
AS MUCH WATER AS
IT CAN. THE SMALL
ANIMALS ALREADY
THERE SCATTER
IN PANIC.

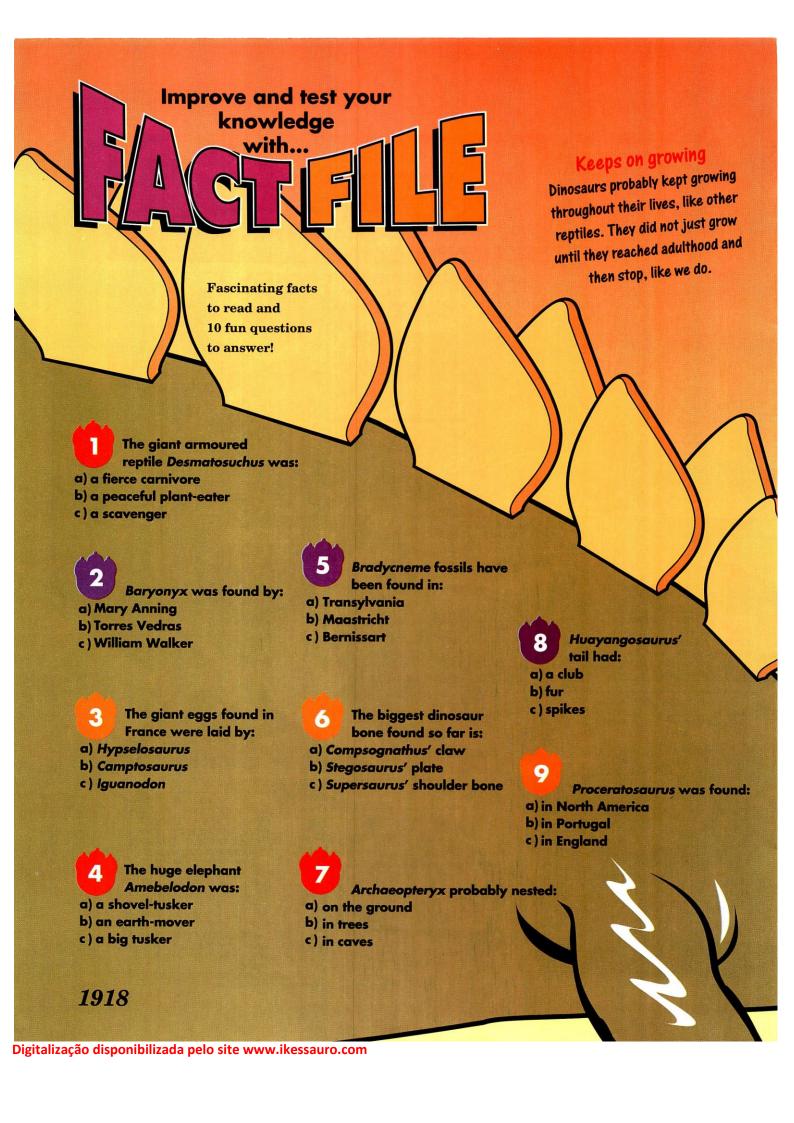


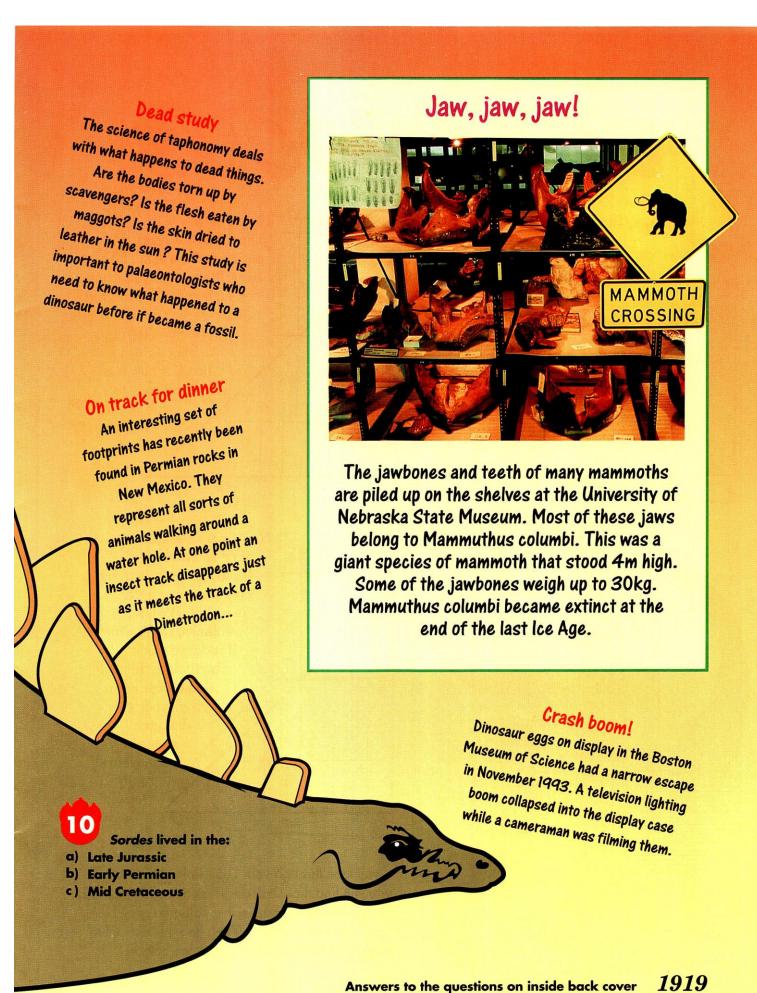
DILOPHOSAURUS' JAWS ARE
TOO SLENDER AND WEAK TO
RIP FLESH FROM LIVE PREY,
WHICH STRUGGLES AND WRITHES.





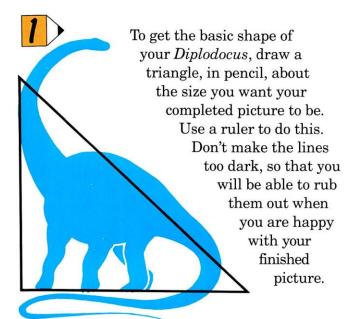


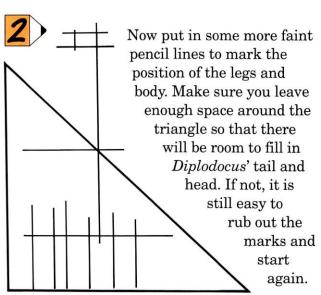


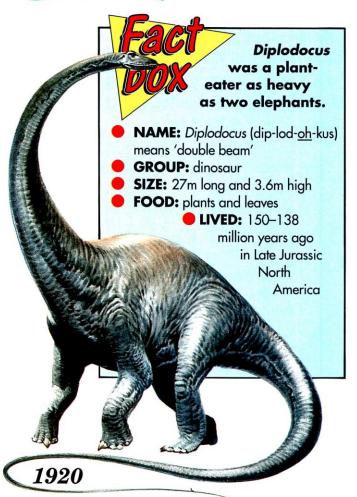


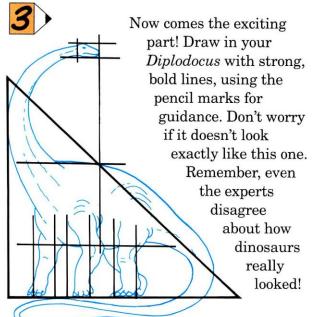


## DIPLODOCUS



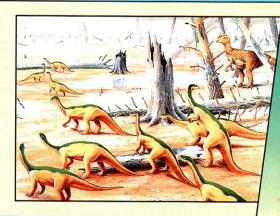






If you look through your copies of DINOSAURS!, you will find that *Diplodocus'* skin is often painted to looked like elephant skin – coloured grey-blue, with a wrinkled texture. If you find this difficult to copy, he'll look just as good all one colour!

Take a walk through Jurassic North America in PREHISTORIC WORLD. Meet the dino scavengers in TIME DETECTIVE.



## PLUS

AN ORBIS PLAY & LEARN COLLECTION

Three fascinating creatures in IDENTIKIT and HISTORY IN PICTURES 3-D GALLERY GIANTS OF THE PAST

## PICTURE CREDITS: Front cover: Graham Rosewarne. Jane Burton/Bruce Coleman 1914B; Silvestris/FLPA 1913CR; The Natural History Museum, London 1905TR, 1910BC; J. Silbbick/The Natural History Museum 1902BR, 1903TL, 1910BC; Richard Coomber/Planet Earth 1912C; Peter Menzel/Science Photo Library 1919TR; ZEFA 1898TL. Artwork: Robin Boutell/WLAA 1910BR; Barry Croucher/WLAA 1911TL, CBL; Mike Dorey 1916-17; Tony Gibbons 1902C; Edwina Goldstone/WLAA 1910CL, 1911BR; Tim Hayward 1902TL, 1903CL, 1904TL, 1910CR; Philip Hood/WLAA 1902TC, 1910TL; Kingfisher 1910TC; Neil Lloyd 1902BL Janos Marffy 1902-3; Deidre McHolle BC; Paul Mitchell/Black Hat 1911BL; Robert Morton 1905BL; Nick Pike/WLAA 1912B 1913TL, 1914C, 1915T, B; Michael Rowe/WLAA 1897, 1898-99; Graham Rosewarne 1900, 1901,1903TR, C, CR, BR, 1910TR, 1911TR, CTR, CBR; Peter David Scott/WLAA 1906-7,1911TTL; Chris Turnbull/WLAA 1910C; Steve White 1902TR, 1904B,

## Keep your DINOSAURS! safe

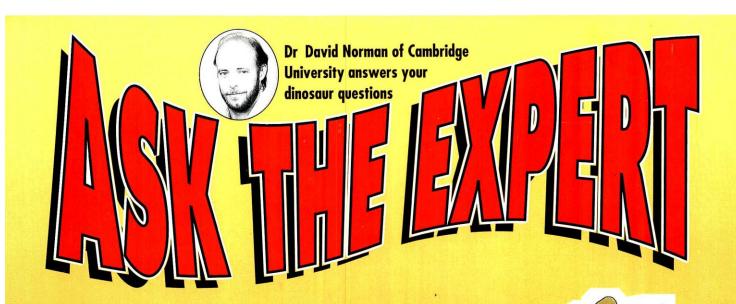
## Keep your copies safe and neat with these fantastic binders.

Your binders have been designed to look good at home or at school. Each is sturdy and hardwearing – it even has a wipe-clean cover – and holds 13 issues. You'll want to use your DINOSAURS! collection again and again – for reference, for school projects, or just for fun. So don't let your copies go missing; keep them in your own set of binders.



DINOSAURS! binders are now available and cost just £4.95 (including £1 p&p). Please refer to the information on the inside front cover or telephone 0424 755755 for details.

ANSWERS TO FACT FILE QUESTIONS: 1.b 2.c 3.a 4.a 5.a 6.c 7.b 8.c 9.c 10.a



## Would Archaeopteryx have nested in trees or on the ground?

My answer is one based on common sense. Given the variety of small carnivorous dinosaurs, such as

Compsognathus, and lizards, such as Bavarisaurus, that lived at the same time as Archaeopteryx, it is likely that Archaeopteryx would have chosen to build a nest up in the tree tops to stop its eggs being stolen.

Unfortunately, we have no

proof that it did so because nests in trees do not stand

much chance of being preserved as fossils.

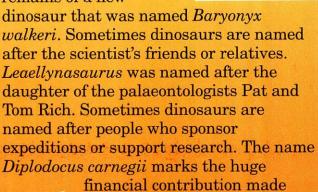
## Which is the biggest dinosaur bone ever found?

One of the biggest bones found so far is the shoulder bone of the giant sauropod *Supersaurus*, which was found by Jim Jensen in America. It is nearly 3m long. It will be interesting to see how

big the same bone is in the really giant dinosaur *Seismosaurus*, if it is ever found.

How can you get a dinosaur named after you?

If you discover a dinosaur that is new to science, it might be named after you. William Walker found the remains of a new



by Andrew

Carnegie to fossil research earlier this century.



