Digging for dinosaurs

MAJOR excavation works at Flat Rocks, near Inverloch, are unearthing the bone fragments dinosaurs believed to

have roamed the area million years

Over the past week, a team of palaeontologists have dug up an array of vertebrae, small limbs and teeth, connecting the area to the polar

The diggings for the fossil-containing rock at the lucrative coastal site are being led by Lesley tant at Monash Univer-

works for exploration co-ordinators Dr Tom Rich, who is the curator of ver-tebrate palaeontology at the Museum of Victoria, and his wife Patricia Vickers-Rich, a reader in earth sciences, ecology and evolutionary biology at Monash University.

The Museum of Vic-oria and Monash iniversity have been toria and Monash University have been working on the joint project to gain a better pic-ture of prehistoric life in south-east Australia, for the past 15 years.

Alongside chiselling away at the soft rock at Flat Rocks is a small crew of volunUniversity

students.
Limited to working at low tide, the group has already found and categorised more than 75 bones.
"That does not include

"That does not include a lot of scrappy bone," Lesley said, explaining they have come across a lot of turtle fragment." "This site was part of

an ancient stream bed, inhabited by primitive short-neck turtles," she said looking over the

"We are finding a lot of them here."

Among the more significant discoveries at

the site, was a tooth dug up on the first morning on the job, Monday, January 31.

. "The first morning we

The Hypsilophodontid was a small plant-eating

According to Dr Tom Rich, had the Inverloch site been discovered earlier, excavation work would never have been

He believes the Invertoch fossils to be 10

says it was a meat eater,

serrated knives, enabl-ing them to rip into flesh,"

been found at the site, giving palaeontologists the feeling jaw fragment

found our first bone," Lesley enthused, "a Hyp-silophodontid tooth."

dinosaur.
"We were quite excited," Lesley said.
The quick success also emphasised the significance of the site, which was only discovered in 1990.

According to Dr. Tom.

carried out at what is now known as Dinosaur Cove in the Otway

to 15 million years older than those at Dinosaur Cove, and much easier to

Dr Rich expects about month's work at Inverloch than was found er a much longer eriod at Dinosaur

TEETH

On Thursday morning, ne tooth of a Theropod was also uncovered.

The small serrated tooth of the meat-eating dinosaur was found embedded in rock behind a piece of turtle

Lesley said pointing out the clearly grooved

she explained.
"It was a rip, pull and swallow motion."

Four separate Theropod teeth have been found at the cit

By Nardia Sullivan

armoured dinosaurs, the Ankylosaur, and a small freshwater Plesiosaur, a creature about the size of a dolphin, have also been

lific prospector of this area," Lesley said. "Mike is a very impor-

tant part of the crew. "As he lives in the area he is

from the shore platform. Left exposed on the sur-



The team is looking for more evidence of both. LIMBS

Talking to the "Star" at Flat Rocks, Lesley said, "So far we have found an assortment of dinosaur and turtle vertebrae, small limbs and teeth."

The most interesting limb bone found was a thigh bone, belonging to a small animal. The bone was similar

to another previously found at the site.

From the thigh bone, Lesley estimated the small prehistoric creature stood between 50 and 60cm tall and about a

metre long.

A small piece of protruding bone indicates it

had muscular legs.
"It was small, but very fast running," she

said.
"Its pace was most likely its only defence against predators," Lesley concluded, POLAR

All of these small fragments of bone are giving palaeontologists a greater insight into the dinosaurs that inhabited the area and how they survived for three mon-ths of darkness each

The goal of the 15-year long program has been to learn what vertebrates lived here so long ago and what the physical environment was like in the polar, yet not frigid, region of south-eastern Australia.

the feeling jaw fragment is not far away.
"That will make it easier to identify the species," Lesley said.
The teeth of little South Pole than it is

able to check the rocks more often. He has uncovered some excellent finds," she

The Flat Rocks site was stumbled across in 1990 on a day when the

"That made us realise we had found something quite important," Lesley said. "It was very fortunate we found this

"And there are more waiting to be found," she assured.

Golden rules

THERE are three golden rules to follow if anyone finds what believe to be a

Leave it there

Report the find to the Inverloch rangers.

If it turns out to be a bone, the fossil will be added to the group's collection and the finder where will be given a cast of the original.



The crew continues the search for bone fragments that will give them a greater insight into the or dinosaur, which roamed the area 120 million years ago.

today, with the south-eastern region on the continent well inside the Antarctic Circle.

"These animals would have lived in darkness for three to four months every year," Lesley explained.

With no modern animals living in that

environment today, just how the pre historic ecosystem historic ecosystem functioned is a fascination that keeps Lesley and her colleagues

THE SEARCH

A concerted effort in search of dinosaur fossils began along the South Gippsland coast in 1988, after finds around Eagles Nest and further west.

Among the prospectors is Mike Cleeland, from Phillip Island.
"Mike is the most pro-