# An abundant variety of fossils

Abundant and various fossils have been produced from the strata deposited in the Cretaceous and Paleogene periods on the Amakusa area including Goshoura town, also known as "dinosaur island" or "fossil island

## Fossils explained

Dead bodies of once living things such as shellfish, sink to the bottom of the body of water they inhabit and through the process of sedimentation, sand and mud accumulate on them. In the same way, more deceased animal bodies are layered on top in time compressing the previously deposited bodies under the weight causing them to harden and fossilize. Eventually, through a process called diastrophism, once submerged land becomes dry and fossils are exposed to the waiting eye.



#### **Marine sediment and** basalt in Yushima



#### **Occurrence of Ammonite** in Kugushima



Kugushima is the most abundant spot of occurmollusca such as Ammonite, Inoceramus and fish fossil such as shark teeth.

## Shellfish fossil bed of



The upper part of the Akasaki Formation lies at the mid part of Senganzan. The formation outcrop which was deposited under a shallow marine condition from brackish water of low salinity where marine water and freshwater from rivers mixed left many brackish bivalve and marine univalve shellfish fossils.

### 5 Ammonite House



#### **Cretaceous fossils in the** Takado area



which was distributed at Wadanohana next to the

#### 6 Nigaki Fossil Park



#### Bentenjima



#### 10 Around the Akagi dam





#### **8** Kyodomari



#### 11 Tohmiyama fossil bed



### Dinosaur footprint on the



#### 12 Abandoned quarry

#### **13** Wall of Sphenoceramus

#### 14 Oe Coast in Amakusa town

which includes many shell fossils is distributed at the place where Christian legend remains.

### 15 The Miyanokawachi area

One of the index fossils for time determination of the Eocene epoch is *Nummulites* of a large benthic foraminifera. The first discovery place of *Nummulites* in Japan is the Miyanokawachi area in

#### 16 Oshima in Ushibuka town

Ushibuka housing a Cretaceous formation and condensed layers of fossils. Along the coast,

#### **Gongenyama basalt and** the Sakasegawa Formation

Basalt is distributed on the top of Mt. Gongen.

#### **Goshoura Cretaceous Museum**

About 1000 specimens o



#### **Main specimens displayed in the museum:**

#### The tooth of Carnosauria, the largest carnivorous dinosaur in Japan



Estimating its original

#### Fossil of mammal 'Coryphodontid'

