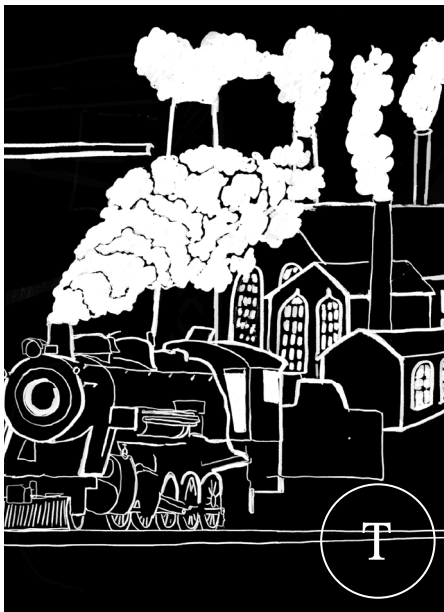




2009 FROM BEER BOTTLES TO ICE CORE RESEARCH

What did Willi Dansgaard collect in beer bottles and why?

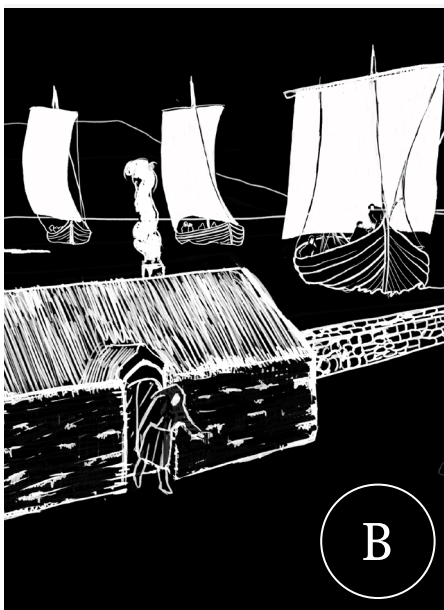
In the ice core, some dots can be seen. What is it? Find the year 1970 and get the answer.



SINCE THE 1830S THE ICE CORE IS AN IMPORTANT ELEMENT IN THE CURRENT CLIMATE DEBATE

With industrialization, the composition in the air changed. Why? The air bubbles in the ice core are valuable for climate research.

What can be measured in the bubbles?



900-1000 GREENLAND'S WARM PAST

Which people settled in South Greenland around the year 1000?

How does one know that Greenland was warmer at that time?



2500 BCE PAST TEMPERATURES CAN BE MEASURED WITH A THERMOMETER

How can you measure the temperatures of the past?
What was the temperature like in Greenland in the period 6000-2500?



14,700 BCE SUDDEN WARMTH IN EUROPE

How much did the temperature rise in just a few years in Greenland 16,700 years ago?
How can the sudden rise be determined from the ice core?



30,000 BCE ASHES UNVEIL DATING OF STONE AGE TOOLS

Naples is today a city in Italy.
What was Naples in the Stone Age?
In the ice cores there are traces of acid rain from volcanic eruptions. What could these traces reveal?
