

https://www.britannica.com/plant/Calamites#/media/1/88767/1624

- Extinct form of horsetail fern
- Lived along sandy banks, in coal swamps
- Thrived during the Carboniferous and Permian Periods
- Found at near-equatorial paleolatitude
- Common across much of the world during their temporal range. See Figure 1

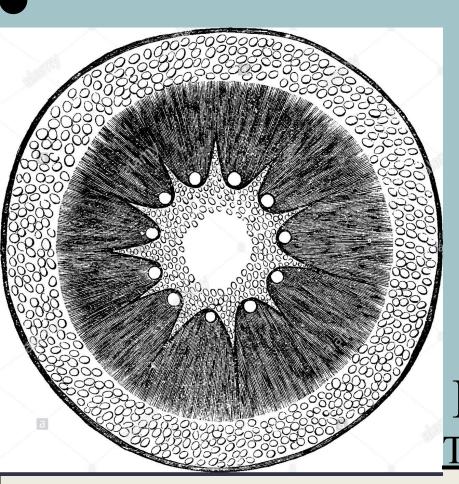
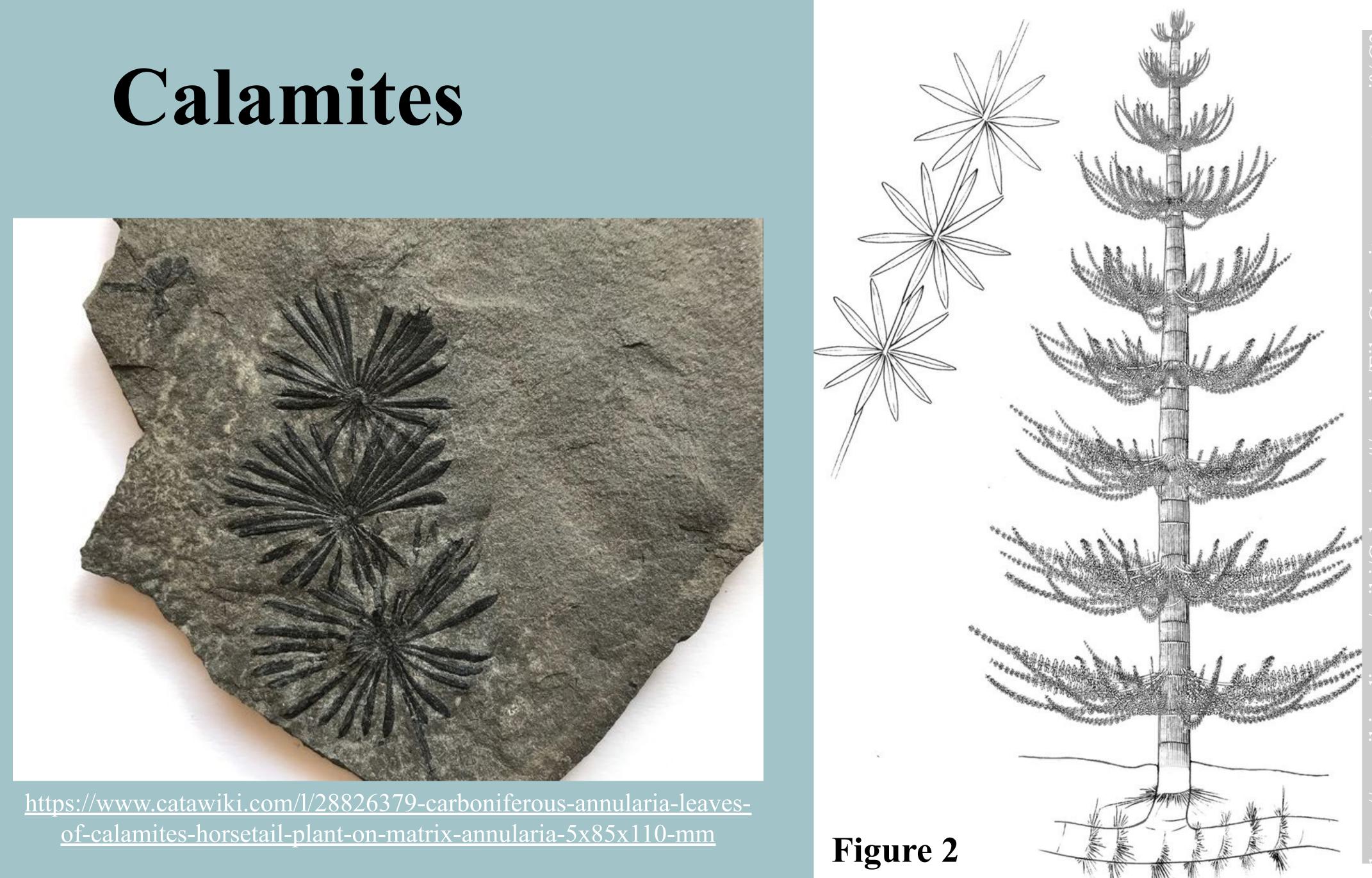


Figure 3 Transverse section of Calamite

- Grew up to 30 meters (100 feet) tall • Hollow trunks were segmented, had
- bamboo like appearance & vertical ribbing
- Whorl structure of branches, leaves, and cones (similar to coneccentric circles)
- Reproduced via spores, with sacs located in their cones
- Spread massive network of rhizomes underground; allowed them to clone, much like bamboo
- Grew in very close proximity to each other



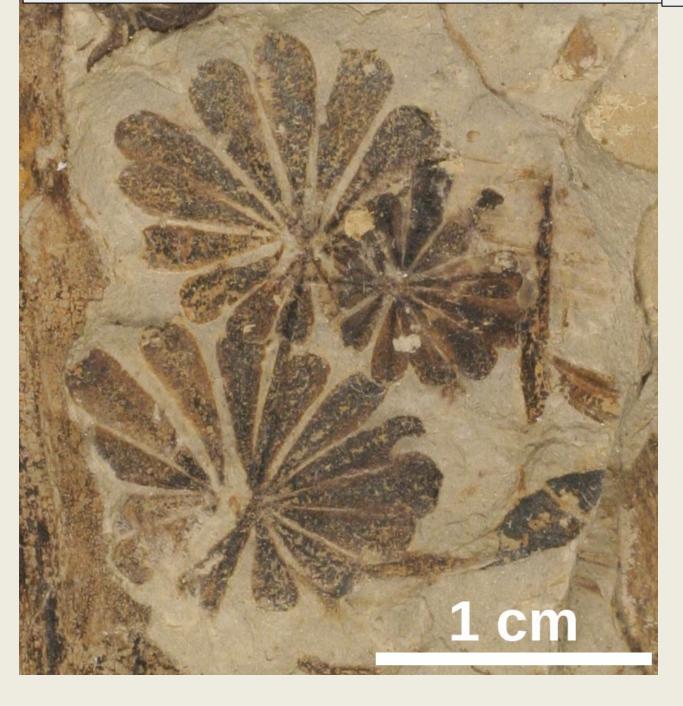


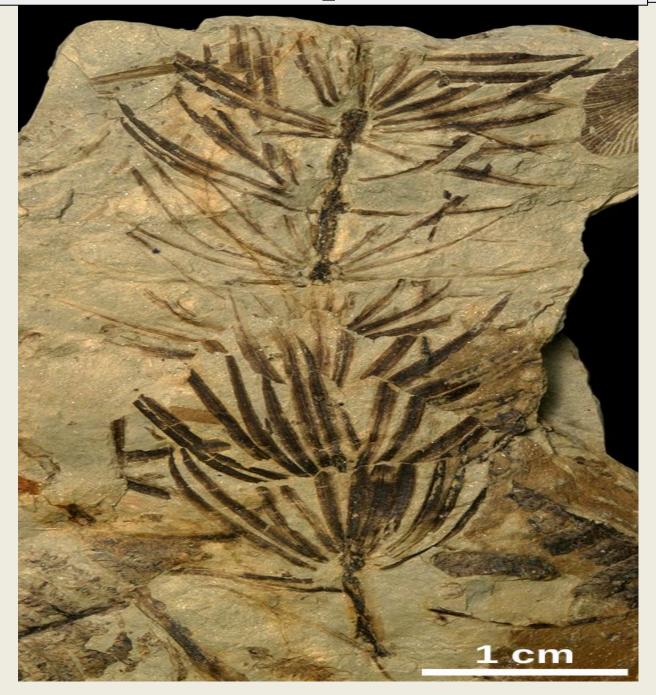
Annularia

Asterophyllites

Cluster of leaves (8 or more) Long and narrow leaves "Starburst" appearance

Cluster of leaves (8 or more) Midvein running the length Curved upwards to form a cup shape



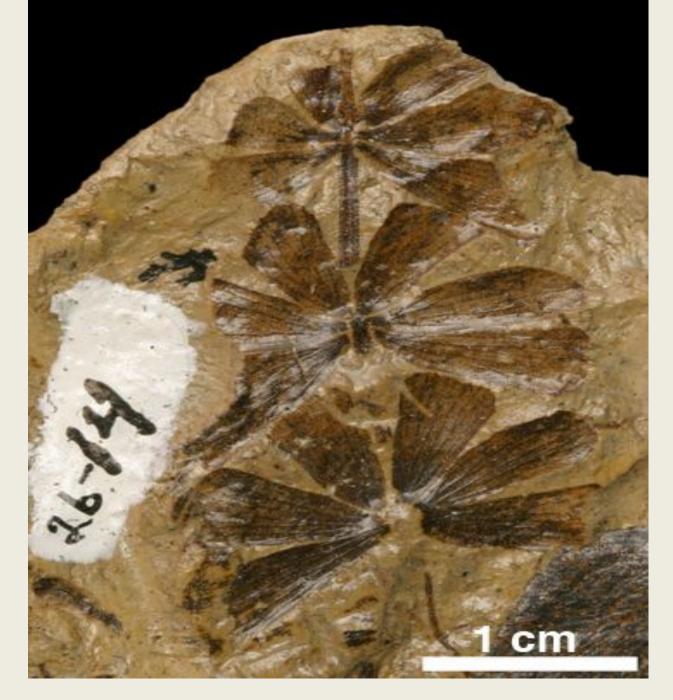


https://samnoblemuseum.ou.edu/common-fossils-of-oklahoma/plant-fossils/fossils-by-plant-group/fossil-sphenophytes/

Sphenophyllum

Circle of triangular leaves (8 or fewer)

1 or 2 veins from base to tips Tips smooth, jagged, or forked



GEOL 204 The Fossil Record Spring 2020 Section 0104 Emma Campbell, Maggie Fritz, Kevin Tsai, Andrew Sarama