

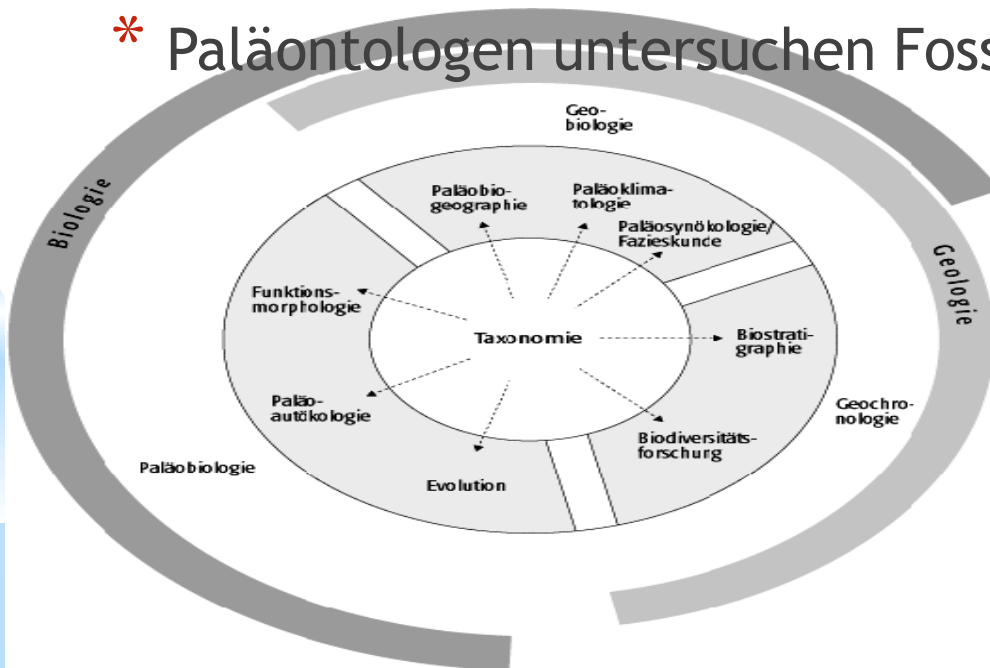
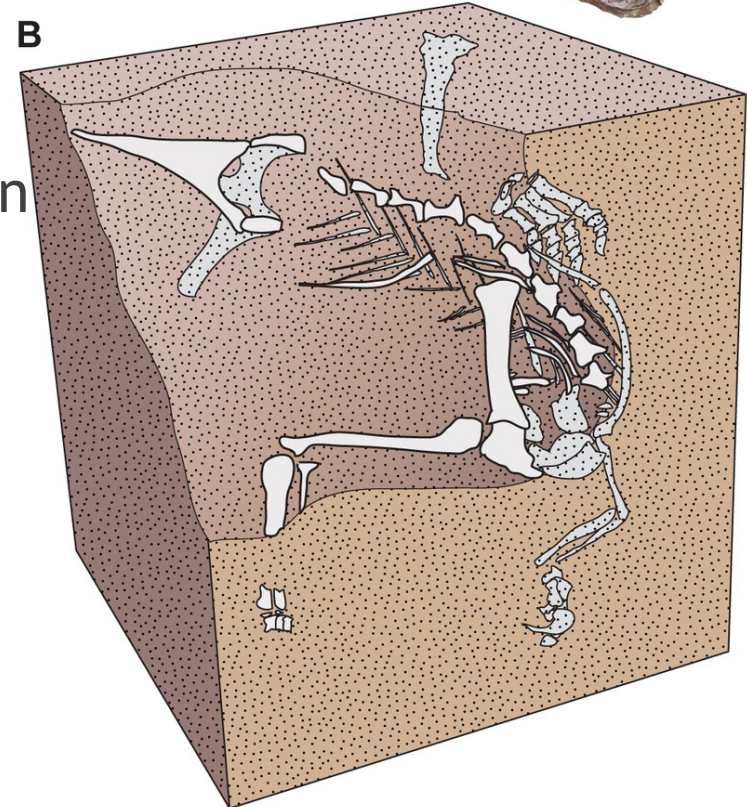
# CONODONTEN



Markéta Tkadlecová

# PALÄONTOLOGIE

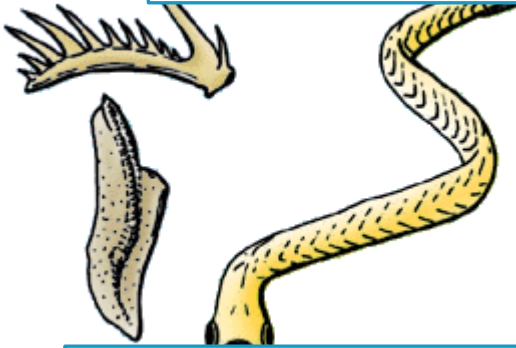
- \* Wissenschaft von den Lebewesen der geologischen Vergangenheit
- \* wird durch Fossilien repräsentiert
- \* Paläontologen untersuchen Fossilien





# CONODONTEN

1. Wer sind/waren Conodonten?



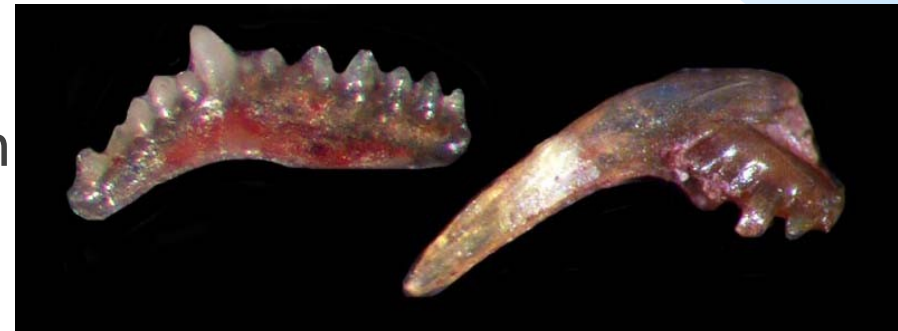
2. Präparations Techniken

3. Beobachtungs Techniken

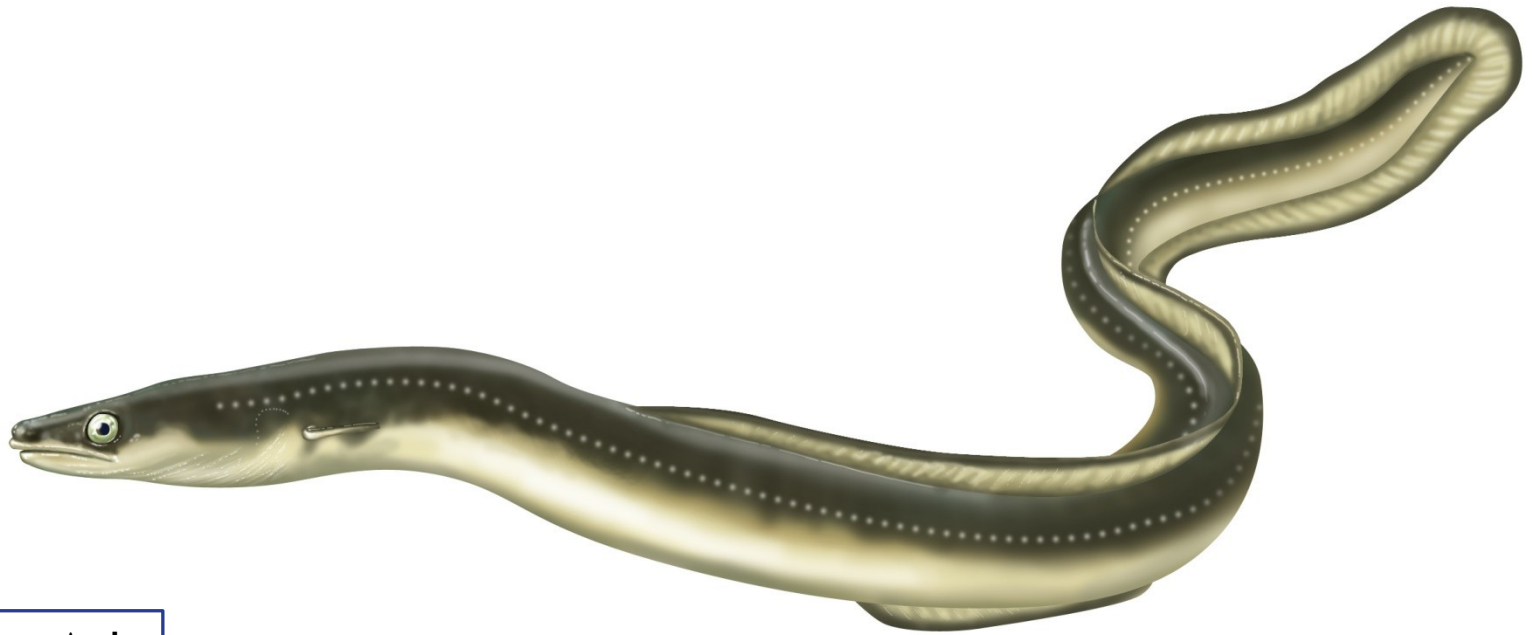


# CONODONTEN

- \* ausgestorbene Organismen
- \* von 542 - 200 Millionen Jahren
- \* Mikrofossilien
- \* index-Fossilien





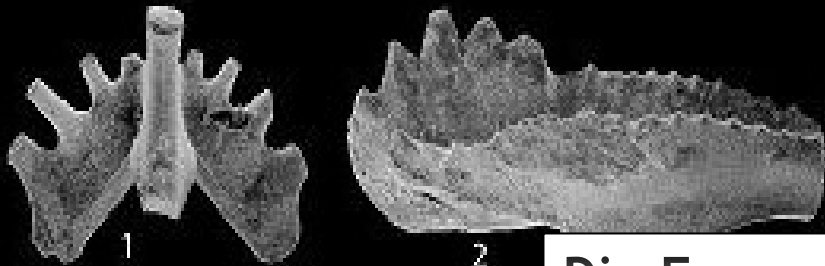


Der Aal

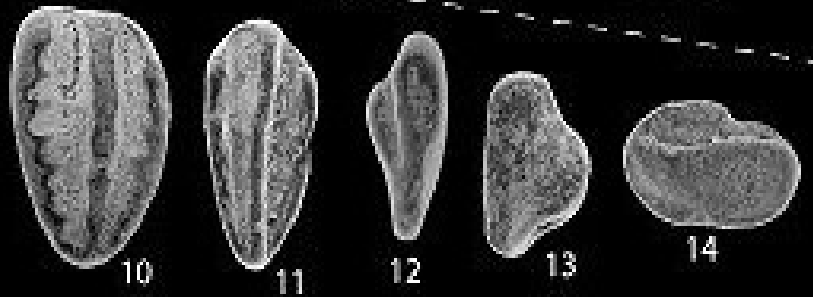
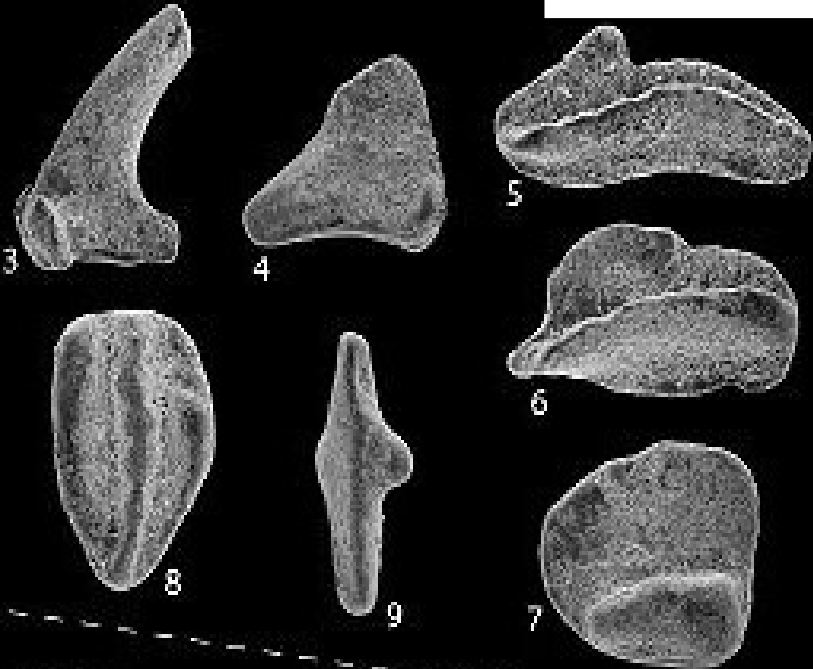


Der Conodont

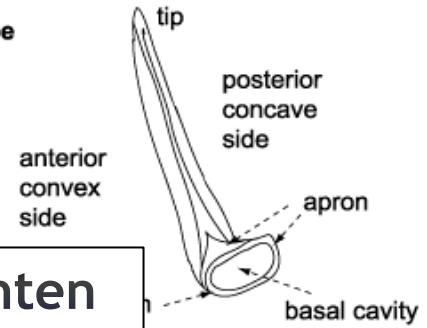
3 mm



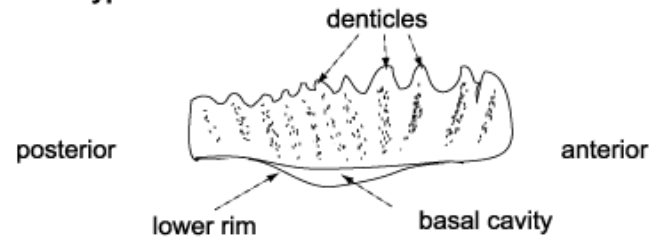
# Die Formen der Conodonten



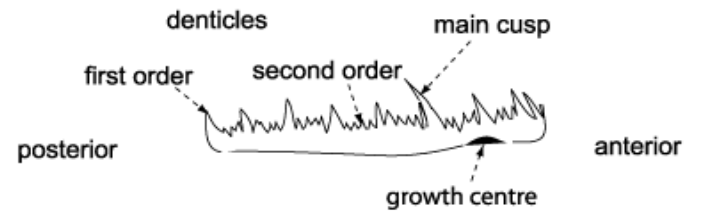
## Single cone type



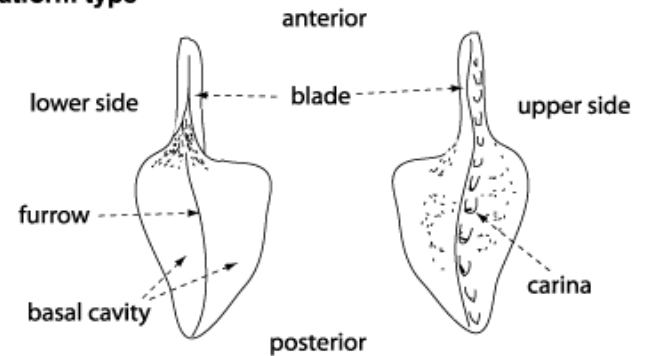
## Blade type



## Bar type



## Platform type



# PRÄPARATIONS TECHNIKEN

- \* Auflösung in der Essig-Säure
- \* dann das Eintauchen in Bromoform







*Kalkstein mit Conodonten in den Unterschichten*

# Conodonten in Bromoform

## 28 Genera Conodont Survey Collection

**Ordovician:** Harding Sandstone.

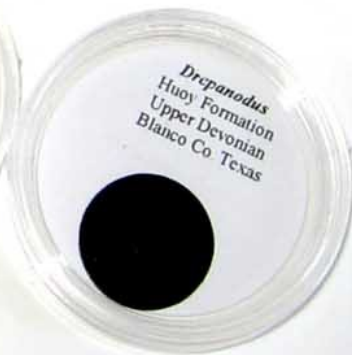
**Devonian:**  
Beechwood Limestone,  
New Albany Shale,  
Huoy Formation.

**Mississippian:**  
Chappel Limestone.

**Pennsylvanian:** Gene Autry Shale.

**Permian:** Genola Limestone.

**Triassic:** Thaynes Limestone.





# BEOBACHTUNGS TECHNIKEN

\* licht-reflektiert Mikroskop







# QUELLEN

- \* <http://www.spektrum.de/lexikon/geowissenschaften/conodonten/2783>
- \* [http://www.geologiestudenten.de/Invertebraten\\_conodonta.html](http://www.geologiestudenten.de/Invertebraten_conodonta.html)
- \* <https://freethoughtblogs.com/pharyngula/2016/07/08/conodontia/>
- \* <https://de.wikipedia.org/wiki/Fossil>
- \* <http://www.ucmp.berkeley.edu/paleo/paleowhat.html>