

Spider evolution



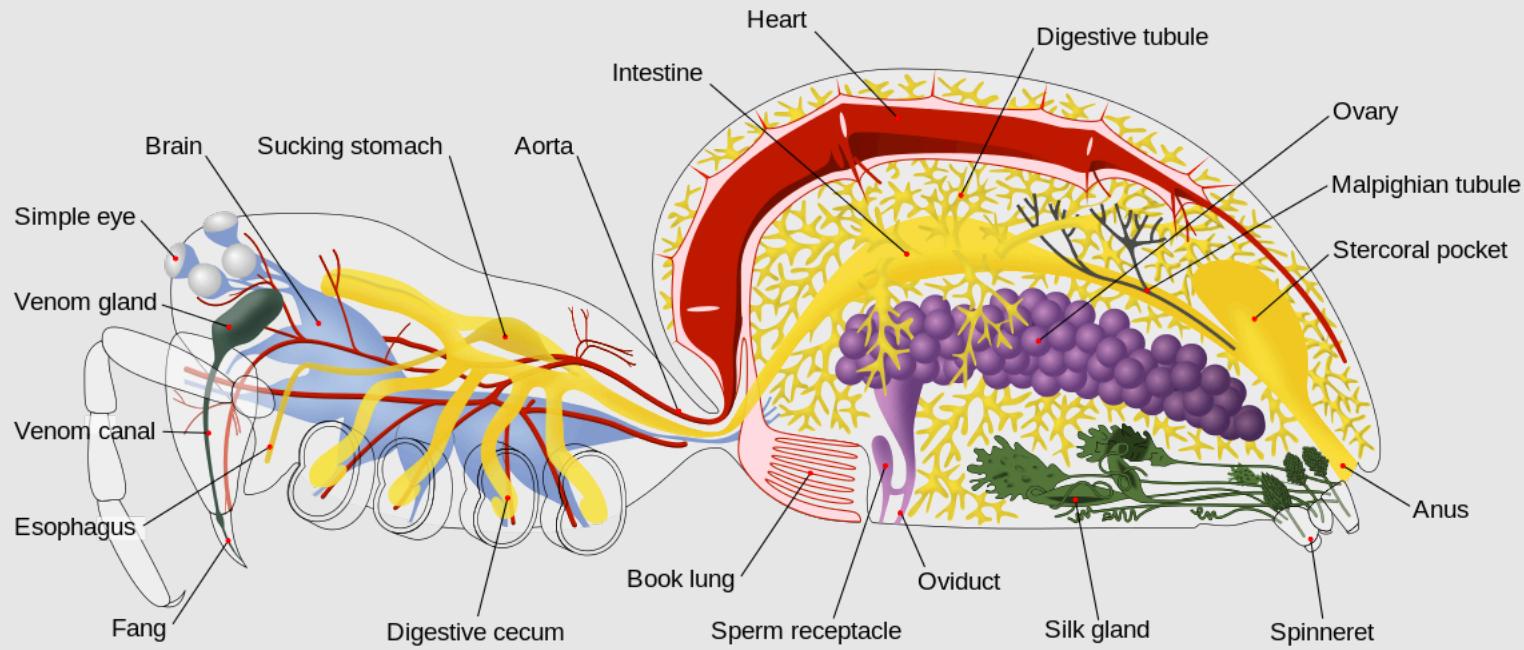
Eriauchenius milloti is one of the 18 new species of pelican spiders from Madagascar described by the scientists.
HANNAH WOOD, SMITHSONIAN

Brian O'Meara
EEB464 Fall 2019

Learning objectives

- Learn about spider diversity
- Learn how this diversity evolved, applying our knowledge of macroevolution







Pholcidae 1



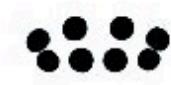
Pholcidae 2



Linyphiidae



Dysderidae



Dictynidae



Cybaeidae



Ctenizidae



Clubionidae



Araneidae



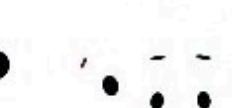
Anyphaenidae



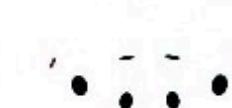
Amaurobiidae



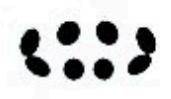
Agelenidae 2



Agelenidae 1



Thomisidae 1



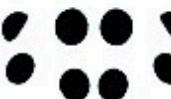
Theridiidae 2



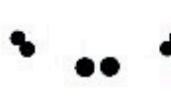
Gnaphosidae



Theridiidae 1



Tetragnathidae



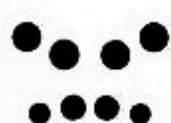
Sicariidae



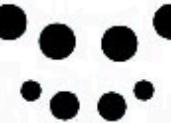
Scytodidae



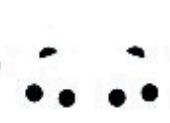
Salticidae



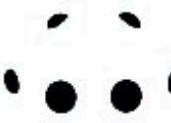
Pisauridae 2



Pisauridae 1



Philodromidae



Oxyopidae



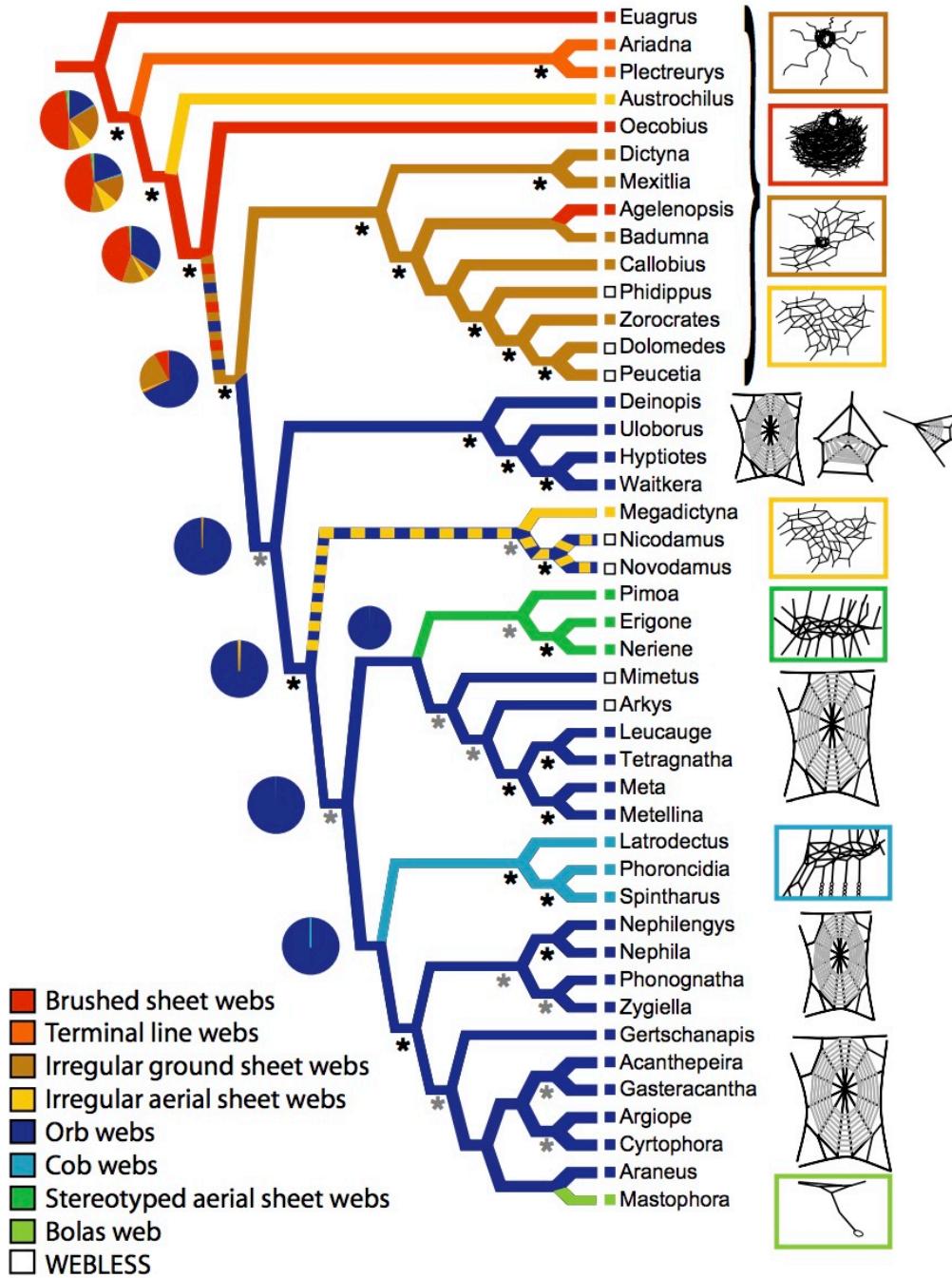
Oecobiidae



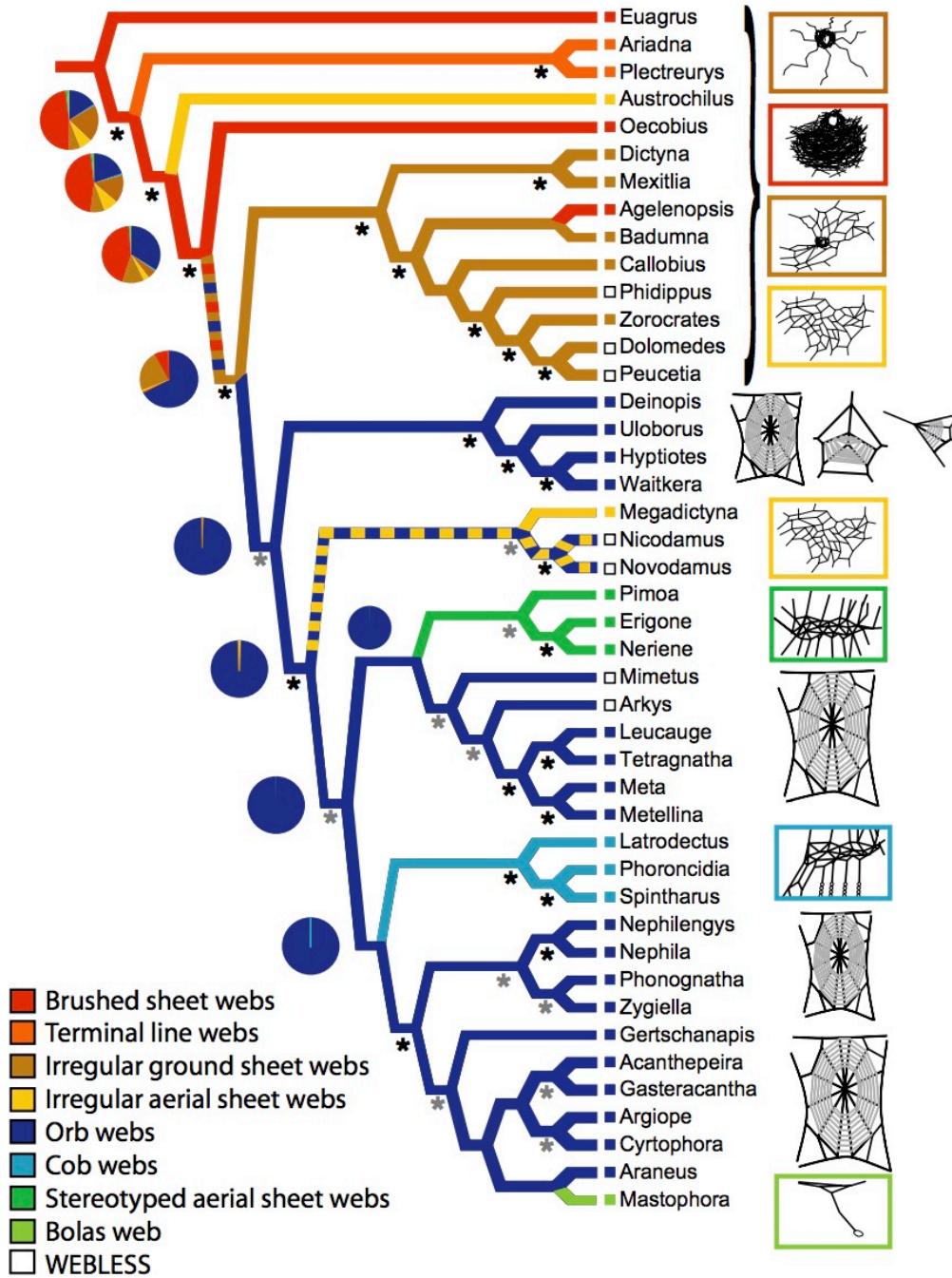
Miturgidae



Lycosidae 2







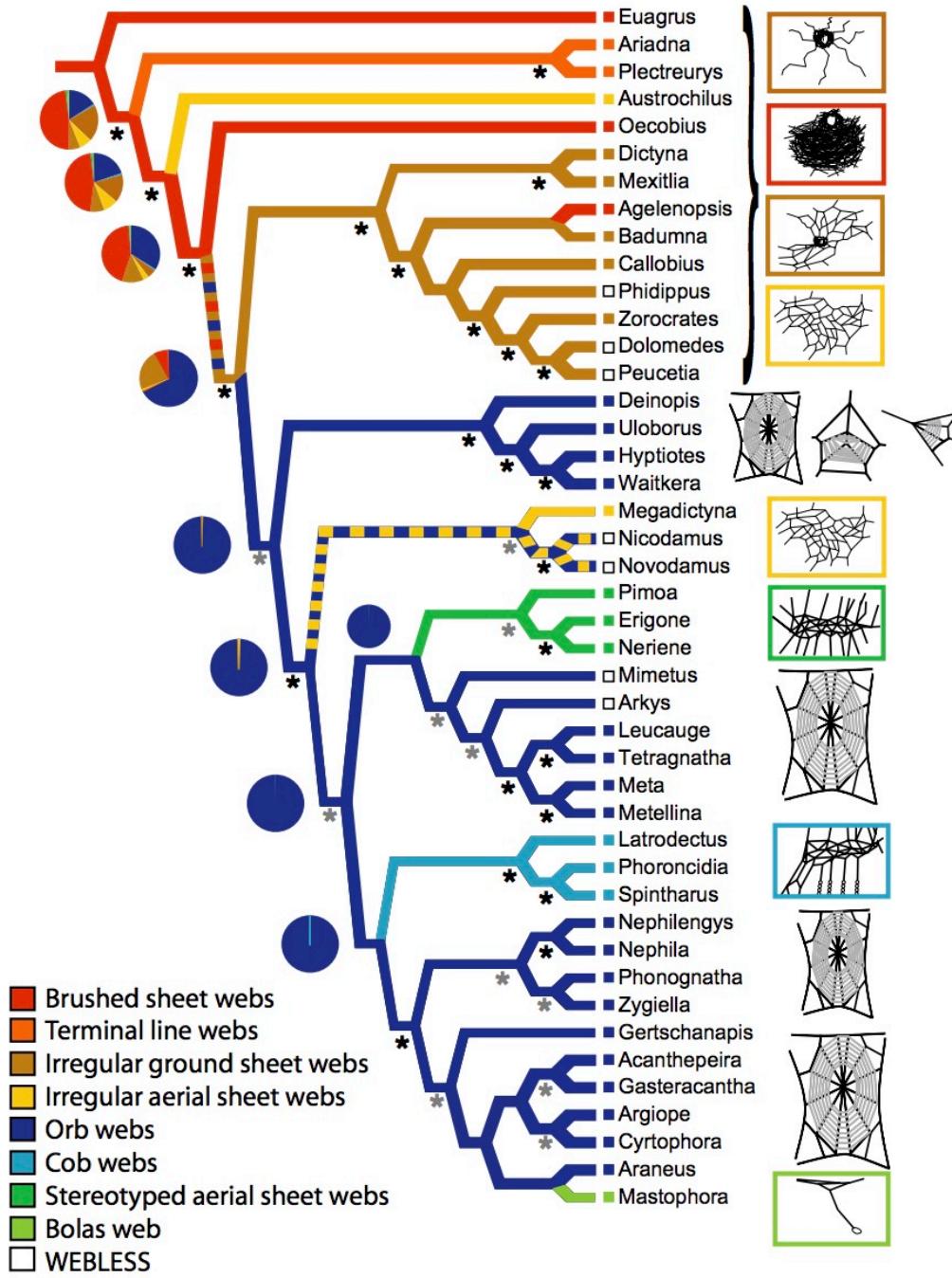
BBC



Do you agree with the narrator that this shows intelligence?

How could this have evolved?

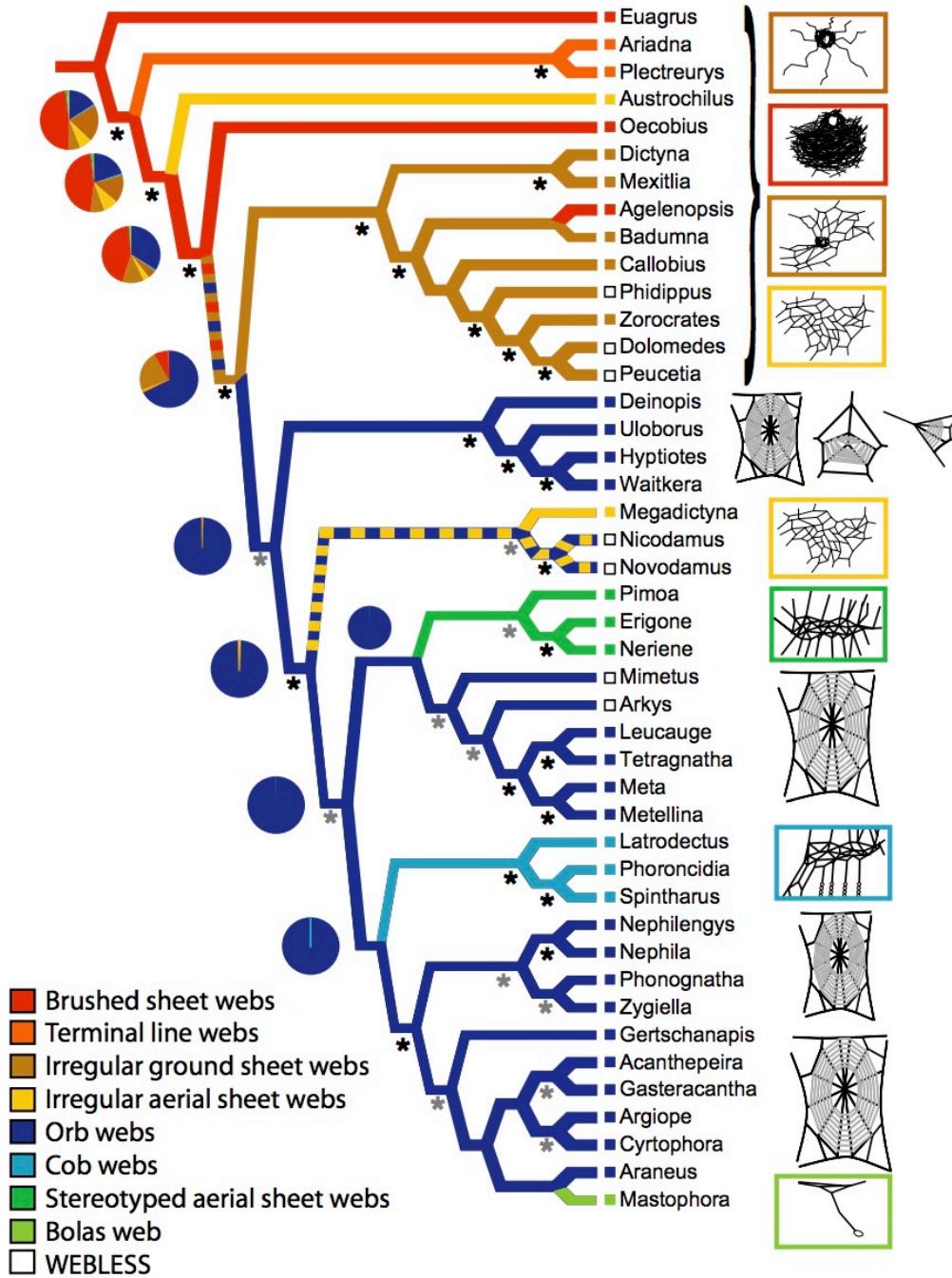
How could you test these ideas?





How could this foraging strategy have evolved?

How could you test these ideas?



BBC



Why might this courtship dance have evolved?

How could you test these ideas?