# Central European Spiders A Memory Game 

Stano Pekár, Martina Martišová, Lenka Sentenská

The goal of this memory game is to teach players to recognise selected families of Central European spiders. The memory game includes 33 spider families out of 42 that occur in the Central Europe (Řezáč \& Růžička 2024). The remaining families were not included either because they are too rare or because their identification is more difficult.

Each family is represented by two cards which are, in contrast to the classical memory game, not completely identical. They are identical only in one character - represented by a drawing. One of the twin cards bears the name of the family and the colour photograph of a species belonging to the family. The other card includes verbal description of the main morphological characters, drawings, short information about ecology, and body size. The characters were selected to be unique for a given family. The principle of the game is the same as in other memory game - to find as many twin cards as possible.

The following abbreviations were used in the text: AE - anterior eyes, AME - anterior median eyes, LE lateral eyes, ME - median eyes, Mt - metatarsus, PE - posterior eyes, PME - posterior median eyes, TA tarsus.

The drawings were made using the following resources: Roberts (2001), Jocqué \& Dippenaar-Schoeman (2006), and Nentwig et al. (2012).

Enjoy the game!
authors


- 2 segmented posterior spinnerets longer than anterior
- series of trichobothria of increasing length on Ta
* build sheet webs with tubular retreat
$\leftrightarrow 4.5-20 \mathrm{~mm}$


Anyphaenidae


- tracheal stigma in the middle of abdomen
* nocturnal free-living hunters, common on trees
$\leftrightarrow 4-8 \mathrm{~mm}$


Araneidae


- height of clypeus $=$ diameter of AE (cf. Linyphiidae)
- chelicerae often with condylus
- legs with strong spines
* build vertical orb webs with a sticky spiral
$\leftrightarrow \mathbf{2 - 2 0} \mathrm{mm}$




## References

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Řezáč M. \& Růžička V. 2024. An updated checklist of spiders of Czechia. Online at https://www.arachnology.cz/checklist-of-spiders-of-Czechia-26.html.
Roberts M.J. 2001. The Spiders of Britain and Northern Europe. Harper Collins Publishers, London.

## Glossary

clypeus - area between anterior carapace margin and the eye field procurved - bent forward prograde - pointing forward recurved - bent backward
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54901 Nové Město nad Metují


## Clubionidae




- massive orthognath chelicerae (as long as the carapace)
* live inside closed tube-like burrows in the ground
$\leftrightarrow 7-15 \mathrm{~mm}$


Dictynidae


- $Q$ calamistrum in one row
- gnathocoxae enclosing labium (cf. Titanoecidae)
* build tangled cribellate webs on vegetation
$\leftrightarrow \mathbf{1 . 5 - 4} \mathrm{mm}$


- width of eye field $=$ half of largest width of prosoma
- legs short and stout, of similar length (cf. Cheiracanthiidae)
* nocturnal free-living plant-dwellers
$\leftrightarrow$ 3-11 mm



## Dysderidae



- 6 eyes arranged in a circle
- sternum with intercoxal sclerites
- chelicerae may be porrect
* nocturnal free-living grounddwellers
$\leftrightarrow$ 5-15 mm


- width of eye field $<$ half of largest width of prosoma (cf. Clubionidae)
- Mt I+II with long ventral bristles
* diurnal free-living ground-dwellers
$\leftrightarrow$ 3-10 mm


Eresidae


- 8 small eyes, ME close together, LE at corners of prosoma
- carapace rectangular
* build tangled webs with tubular retreat in the ground
$\leftrightarrow \mathbf{3 - 2 0} \mathrm{mm}$






