

# ***Animal Communication***



# *Purposes*

- ◆ It serves to alert other species members of danger.
- ◆ It is used to ask another member for help.
- ◆ And it is used for simple conversation



# *Forms of Communication*

- ◆ Gestures
- ◆ Facial Expressions
- ◆ Vocalization
- ◆ Olfactory Communication
- ◆ Bioluminescence
- ◆ Electrocommunication



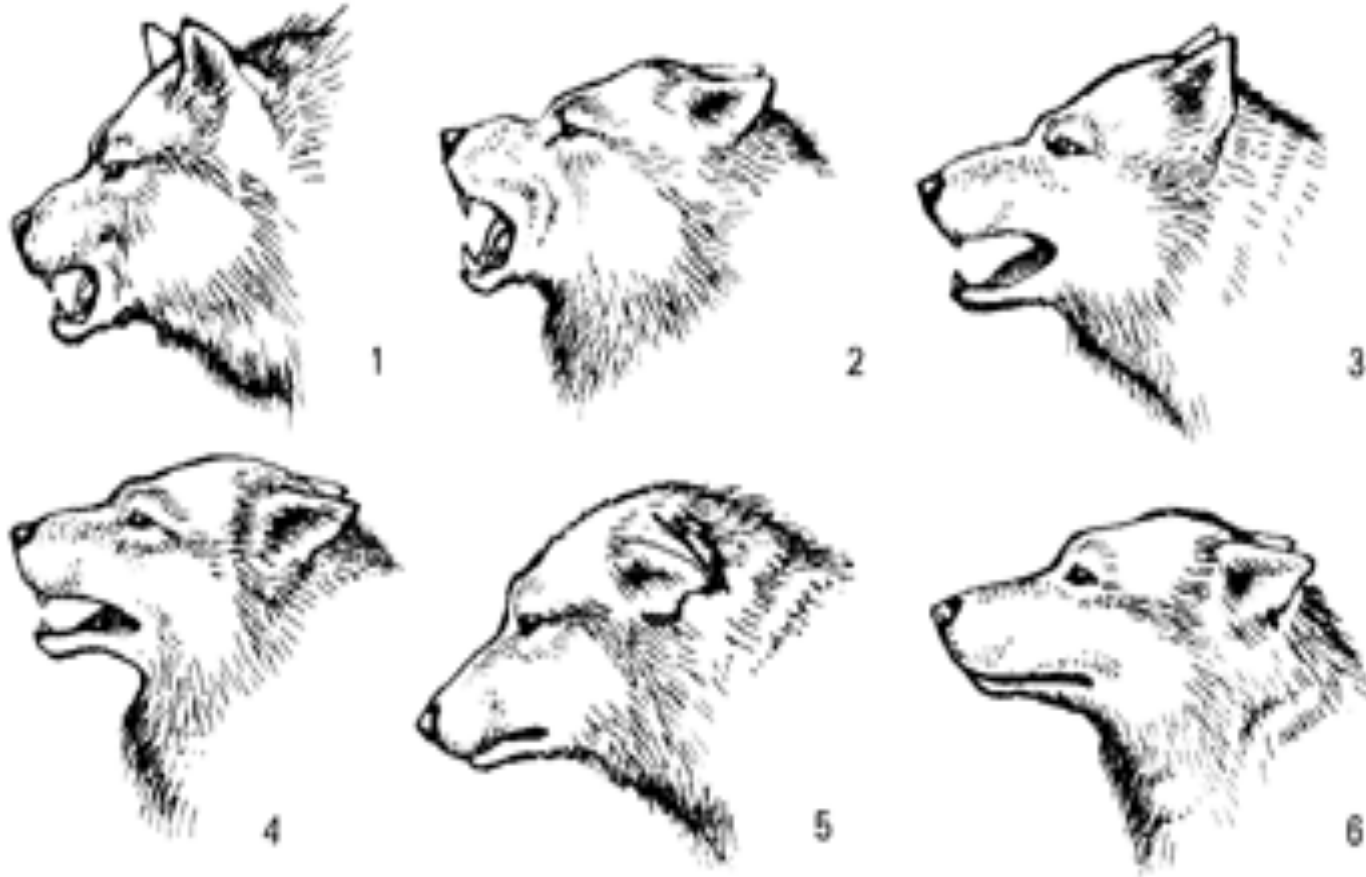
# *Gestures*



- ◆ Its one of the best known forms, and involves the display of:
  - ◆ Distinctive body parts
  - ◆ Movements
  - ◆ Often occur in combination to convey a message
- ◆ Ex: A young seagull will tap their parents' red spot on their bill when they want food.



# ***Facial Expressions***



- ◆ Different animals have different way of conveying emotion through facial expressions.
- ◆ However, some are found throughout different species.
- ◆ EX: Showing ones teeth show anger, or lowering ears to show fear or submission, such as with the alpha males in a wolf pack.



# ***Gaze***





- ◆ Although not commonly used for detailed communication, its often a useful form to draw another species member's attention to something.
- ◆ It can also be used by competing males, for the first to back down is often considered weaker.
- ◆ It is used to avoid direct communication.

# *Vocalization*



One of the most common among higher intelligence animals, this form is most commonly found among humans.



Among Animals it can be used for warning calls and attracting males. Exs: Meerkats and whales.

<http://www.youtube.com/watch?v=hSNujfyaR7Ehttp>  
[www.youtube.com/watch?v=DsQnRnE-W8A](http://www.youtube.com/watch?v=DsQnRnE-W8A)



# *Olfactory Communication*



- ◆ Most commonly found in “hive mind” animals, such as ants and termites.

- ◆ This form involves the use of pheromones and scents to convey messages. EX: cats using scents to mark spots or bees.

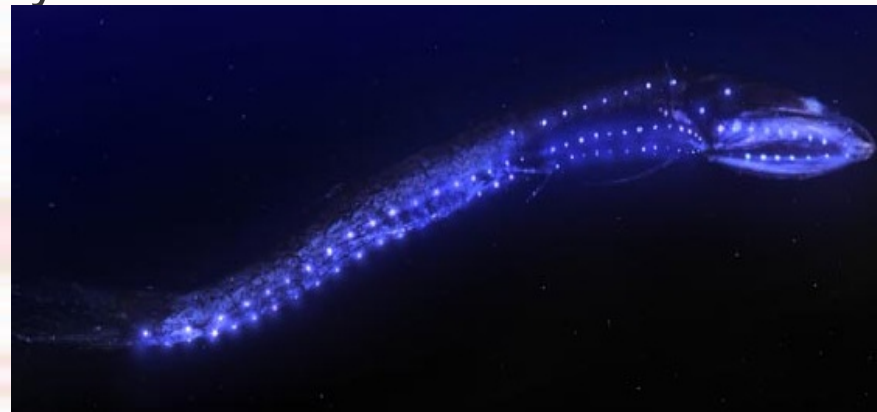
<http://www.youtube.com/watch?v=7HaXQXqCaO8>



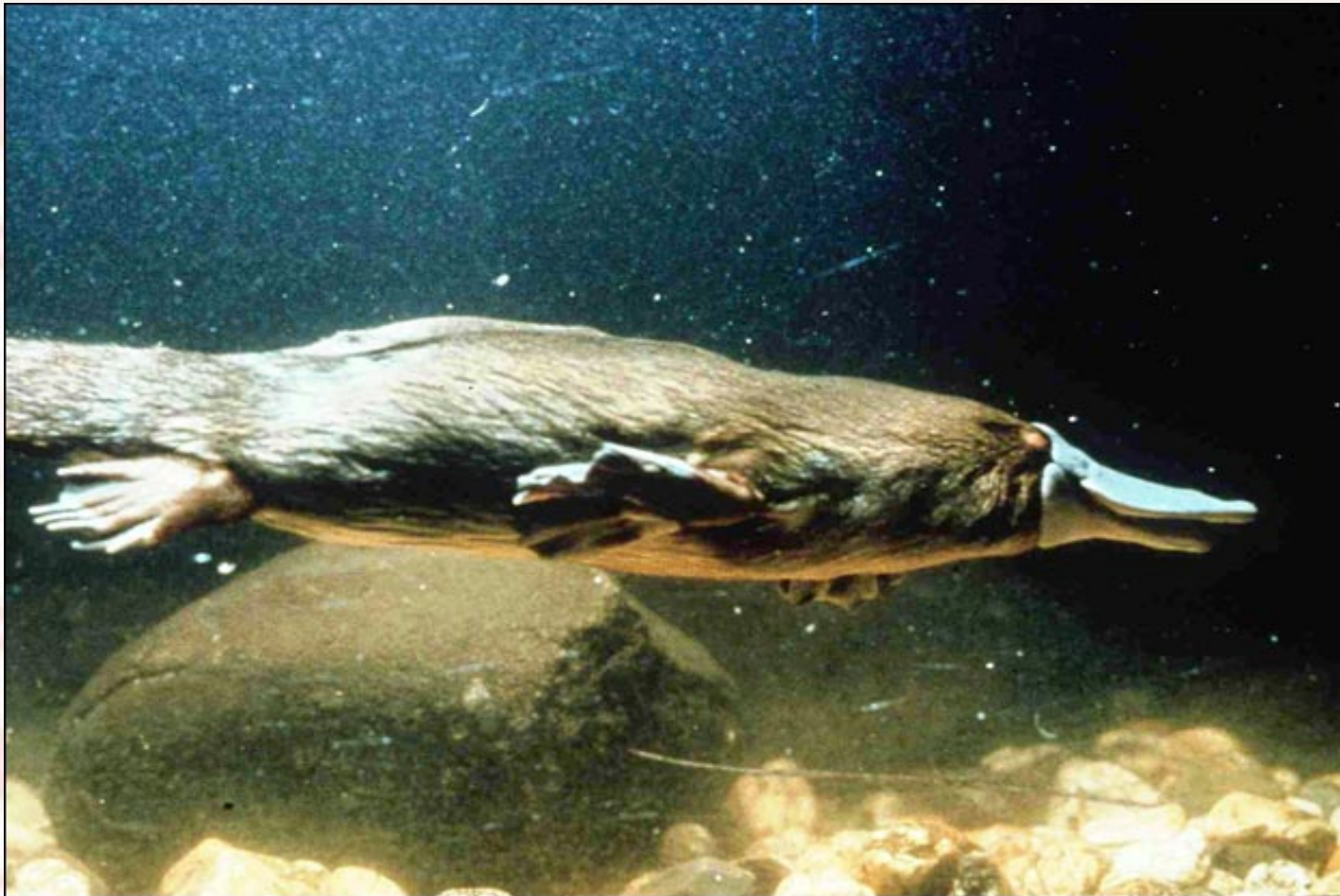
# ***Bioluminescence***



- ◆ Most commonly found in dark places, such as the ocean-bed, this form involves biologically generated lights.
- ◆ Most known amongst fireflies, but is it also common in the ocean-bed, and most terrifyingly used by anglerfish to attract prey.



## *Electrocommunication*





- ◆ The least common form of communication, it involves conveying messages through electrical signals.

- ◆ It's commonly found in aquatic life, but some mammals such as the platypus and echidna are hypothetically able to do it.

