SEAHORSE Natina Behaviou

MATING BEHAVIOUR fun facts

- It is the male that becomes pregnan in seahorses 1
- Males compete more intensely for mates, despite male pregnancy ²
- Seahorses never abandon their mates, even if they are injured or unable to reproduce, and only search for another if their mate has disappeared or died³

KEY TERMS

Social and sexual monogamy: pre/post-reproductive behaviours seen with one male, one female 4 **Conventional sex roles:** choosy females, competitive males 7

Courtship: indicates readiness to mate ⁶

Greetings: shows attraction to potential, or existing mates ³

Mutual mate choice: males preference for body size, female preference for olfactory cue dissimilarity 7

COURTSHIP BEHAVIOURS

- Courtship behaviours are characterized by greeting behaviours combined with seahorse-specific actions termed pointing, rising, or pumping 6
- Traditional courtship roles = males have a higher potential reproductive rate, therefore, less access to females⁸
- Complex phases of courtship take place in the morning, except on the day of copulation⁸
- **Greetings** are displayed by body brightening and at least 2 or 4 common ritualistic behaviours ⁶



MATE SELECTION

- Mutual mate choice 7
- Highly discriminate males, females are less discriminate in choosing a mate
- Choosy, more competitive males means sexual selection acts more strongly on females⁶
- Body size preferences- strong preference for larger females by males⁹
- Olfactory cues- females prefer males of different genetic makeup in olfactory cues, rather than of similar



- Exhibit social and sexual monogamy³
- 1) Partners performing daily greeting rituals ³
 - 2) Mating only with partner³
- 3) Refraining from interacting with other individuals 3
 - Faithful pair bonds that mate exclusively and repeatedly have been proven by DNA genetic testing done in males 3,4



- Conventional sex roles²
- 1) Males exhibit greater amounts of courtship behavior patterns²
- 2) Distinguished aggressive behaviors are seen in males ²
- Females transfer eggs into specialized egg-brooding structures 2
- Males nourish, osmoregulate, aerate eggs²





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