

**B101** Large Male Assessment in Mate Choice of The Common Toad *Bufo bufo*

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The common toad is a explosive breeder which form very dense groups in shallow water, uses reduced mating calls, and actively searches and struggles for females in a relatively short breeding season. We conducted experiment to verify what the factors affect mate choice in the common toad. In two choice experiments, male toads could not discriminate sex, sexual maturity of females, and even species. But male toads chose bigger individual as their mates. This result indicated that male toads choose their mates by size.

**B102** Aggonistic Behavior and Bourgeois Strategy of The frog *Rana rugosa*

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Anurans advertisement call function to attract potential mates. The dominant frequency of advertisement call is generally lower as snout-vent length (SVL) of caller is longer. *Rana rugosa* also has advertisement call but the frequency modulation is high especially. We conducted playback experiment to verify the function of frequency modulation. In high frequency (1107Hz) playback *R. rugosa* lowered his advertisement call frequency but in low frequency (1028Hz) more lowered. Besides the number of pulse in a call was increased in playback test. This result indicate that *R. rugosa* has the physical conflict avoidance strategy with competitors by lower one's frequency to deceive his SVL.