Amphibian Courtship and Mating: Anuran Focus Matthew J. Gray, Ph.D. College of Agricultural Sciences and Natural Resources University of Tennessee-Knoxville

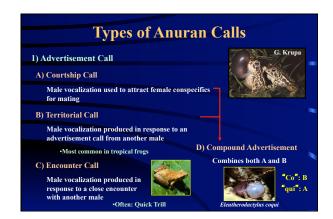
Goal of the Lecture	
To familiarize students with amphibian courtship and mating strategies.	-
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Reading Assignments: 1) See Website: Wells (2007)	
2) Types of Calls: mp3 file on website	

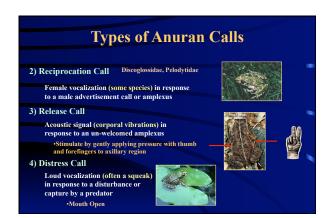
Lecture Structure I. Breeding Site Cues II. Anuran Vocalization III. Secondary Sexual Characters IV. Courtship V. External vs. Internal Fertilization





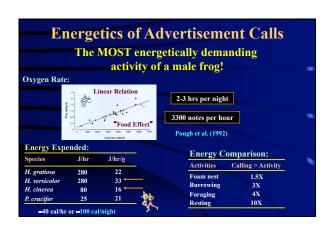


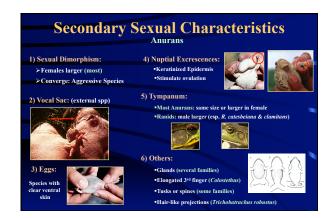




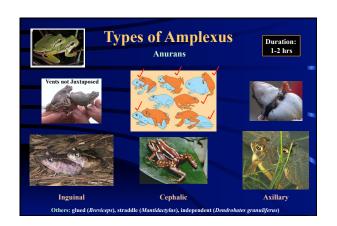














	Internal Fertilization		
Caecilians (all):	•Phallodeum: intromittent organ cloaca that is used to deliver spet ➤ Sperm delivered down be •Copulation occurs for 2-3 hrs	2 10 mm hat	
Anurans:	•Ascaphidae •Fast-flowing streams •Cloacal extension: "tail" •Tail" at 90 degree angle •Male in "sitting" position •Copulation occurs for 24-90 ln •Cloacal Apposition •E. coqui and jusperi	Salamanders (90%): Polyskecharides Spermatophore stored in spermatheca Sperm can be stored for >2 yrs (some) Ovulation stimulates sperm Oviposition Sites: Lentic: *Twigs, Leaves (O.) *Newts wrap eggs! Lotic: *Under stones (single) *Stream banks Terrestrial: *Under stones, logs or within logs	