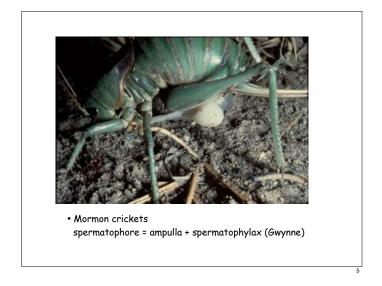
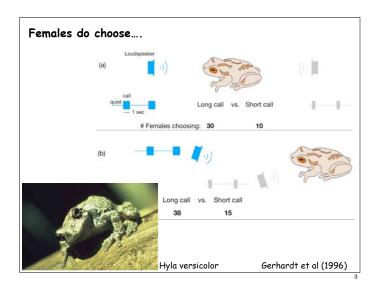
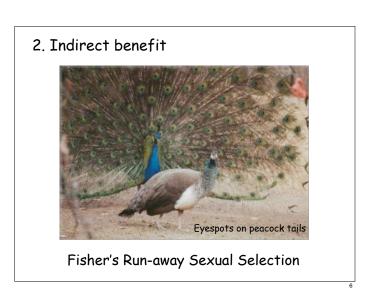
Sexual Selection II: female choice

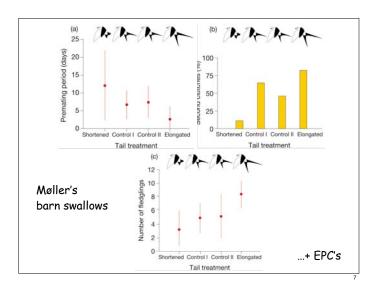
Theories of intersexual selection 1. Direct benefit- material resources; increase fecundity Empidid flies (Dance flies) nuptial gift

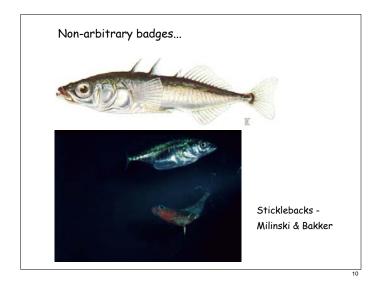












'sexy sons' the only benefit
ornaments & preference coevolve
ss & ns balance
requires genetic correlation

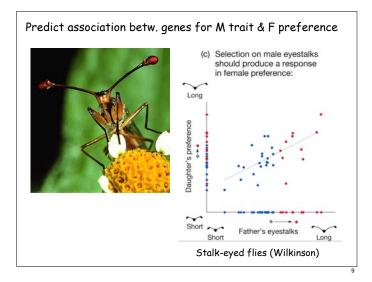
'Good Genes'
Models

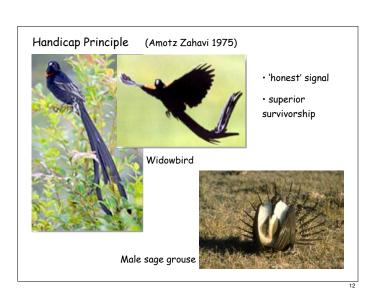
Long-call males
genetically superior to
short-call males

Welch et al 1998

Welch et al 1998

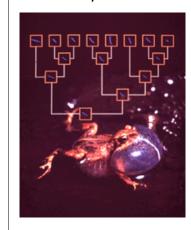
Low food





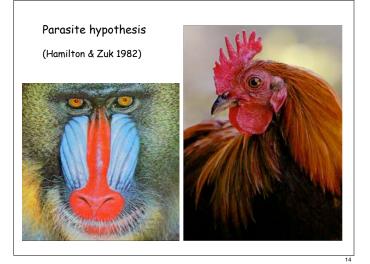


3. Sensory Bias



- 'chuck' evolved in terminal taxa
- F of unrelated species prefer calls with chuck

Physalaemus (Ryan et al)



Mate copying Dugatkin's guppies

Evidence?.... 4 types of study

- 1. Relationship betw. ornament elaboration & offspring viability
- 2. $\rm H_{\rm o}$ of female choice for parasite resistance
- 3. F choice of trait asymmetry as indicator of genetic quality
- 4. Choice for genetic complementarity

