Ethology

Avian Valentinos

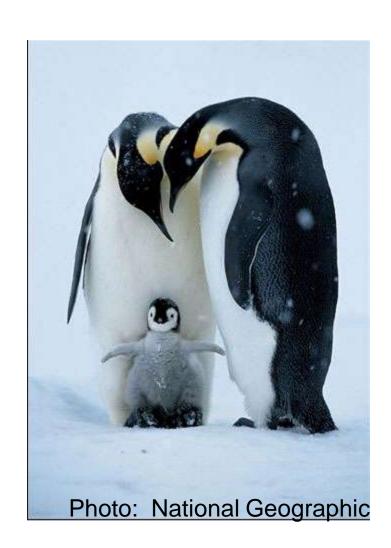
Why do some birds mate for life, while others are less faithful?

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Mating for life depends on....

- Caring for the young
- Attracting mates
- **▶** Intimidating rivals



Which sex is liberated?

CARING FOR YOUNG



Defense from predators



SOURCE: "Growing up" Trials of Life

Compete for resources



SOURCE: "Friends & Rivals" Trials of Life

▶ Feed the young



SOURCE: "Growing up" Trials of Life

- Defense from predators
- Compete for resources
- Feed the young



SOURCE: "Growing up" Trials of Life

Liberation when 1 parent suffices...

- Sexual dimorphism
- ▶ IF mother's care is enough
- Males are liberated
- Female choice is instinctcoded in genes



SOURCE: "Courting" Trials of Life

How to choose a mate?

ATTRACTING MATES



When single mothers are not enough...

- Females choose...
- ...honestcues aboutmale care
- e.g. real gifts of food & nest material



SOURCE: "Courting" Trials of Life

When single mothers are not enough...

- If female choice is instinctive
- Little cost for false advertising
- e.g. symbolic gifts



SOURCE: "Parenthood Game" Sierra Club

When single mothers are not enough...

- e.g. symbolic gifts...
- ...on exciting feet



SOURCE: "Courting" Trials of Life

- ▶ IF females continue to choose based on advertising
- No cost for males who cheat on quality of gifts
- ▶ e.g....."bling"



SOURCE: "Courting" Trials of Life

- ▶ e.g. "bling"...
- and "fancy penthouse"



SOURCE: "Courting" Trials of Life

- ▶ e.g. "bling"...
- ▶ and "dance floor"....
- and dancing& singing



SOURCE: "Courting" Trials of Life

- ▶ e.g. "dance space"....
- dances
- and group aerobatics



SOURCE: "Courting": National Life ographic

• e.g. "best costume"



SOURCE: "Courting" Trials of Life

▶ e.g. "most dramatic"



SOURCE: "Courting" Trials of Life

How to defend a mate?

INTIMIDATING RIVALS



Costs of liberation for males...

"outrageous clothing budget"



SOURCE: "Courting" Trials of Life

Costs of liberation for males

- "outrageous clothing budget"
- "vulnerable to predators"



SOURCE: "Courting" Trials of Life

Liberated or not....males compete

Chase off rivals



SOURCE: "Courting" Trials of Life

Liberated or not....males compete

- Attract female attention despite costs
- Expensive ornaments
- Vulnerable to predators
- Intimidate rivals



SOURCE: "Parenthood" Sierra Club

SUMMARY

Q: Why do some birds mate for life and others are less faithful?

A: depends on....

- when a single parent is not enough to raise chicks successfully=>lifers
- single parents do fine=> less faithful
 - Mate choice becomes instinctive, not based on cues of parental care...more on attention-getting
 - Intimidation of rivals becomes as important as attracting females

