Survival of the Sneakiest by the Understanding Evolution team at http://evolution.berkeley.edu/evolibrary/article/0_0_0/sneakermales_01

"Survival of the fittest" means that the strong succeed, and the weak fail, right? Well, often that's how it's portrayed, but the real story is a bit trickier. Let's take a closer look at what the crickets do...











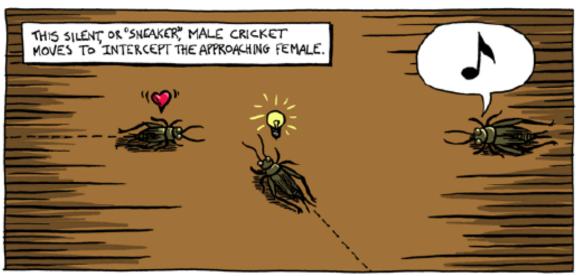


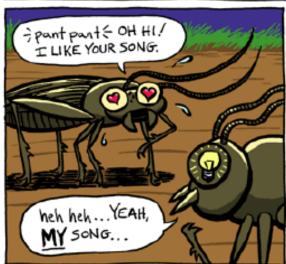


















AND OUR ORIGINAL, STRONG, LOUD, CALLING MALE IS OUT OF LUCK.

LAST CHANCE FOR YOU JASPECIAL LADIES TO ... Uh...
MEET A REALLY GREAT GUY.?

AW, FORGET IT.

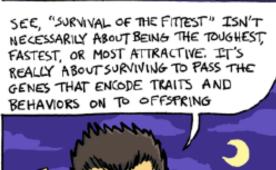
IN FACT, HIS SONG HAS ATTRACTED SOME UNWANTED ATTENTION.



SO, IN THIS CASE, THE
SNEAKER MALE GETS TO
MATE, AND THE SINGING
ATTRACTIVE MALE GETS
EATEN BY A BAT:

ERK!

SNATCH!



MAYBE OUR SNEAKER MALE'S KIDS WILL INHERIT THE "SNEAKY" GENES, AND IN TURN USE SNEAKY BEHAVIOR LIKE THEIR FATHER.



OF COURSE, TOUGHNESS **CAN** HELP TO INCREASE AN ORGANISM'S CHANCE OF LIVING LONG ENOUGH TO REPRODUCE...



...BUT REPRODUCTION AND THE PASSING ON OF GENES ARE MOST IMPORTANT IN TERMS OF EVOLUTION, AND THERE ARE MANY WAYS THAT AN INDIVIDUAL CAN GET THEIR GENES INTO THE NEXT GENERATION. CALLING IS STILL A GOOD STRATEGY FOR MALE CRICKETS TO INCREASE THEIR CHANCE OF MATING. FEMALES ARE ATTRACTED TO CALLING MALES, AND THERE WON'T ALWAYS BE SNEAKERS OR PREPATORS AROUND TO DERAIL THE CALLERS.



AND IF THEY ALL USED THE SILENT, SNEAKER STRATEGY, THEN NO FEMALES WOULD BE ATTRACTED AT ALL, AND THE MALES WOULD HAVE SOME LONG LONELY NIGHTS.

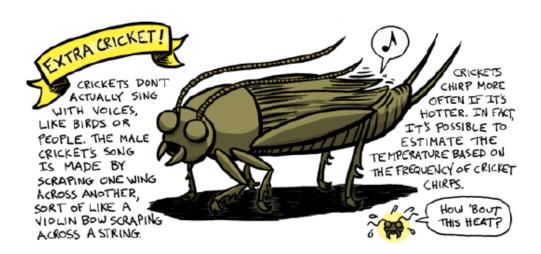


SO, WE END UP WITH A VARIETY OF SUCCESSFUL MATING STRATEGIES. THAT'S HOW NATURAL SELECTION WORKS. THERE IS NO ONE, TRUE, ULTIMATE SURVINAL STRATEGY. A SUCCESSFUL STRATEGY IS WHATEVER GETS THE JOB DONE.









Discussion Questions

Write or record your responses

1.	An organism's "fitness" for survival isn't necessary about its physical strength. What it is about
2.	Give two examples of natural selection at work in this story
3.	How does natural selection favor the "calling" characteristic?
4.	How does natural selection favor the "not calling"?