

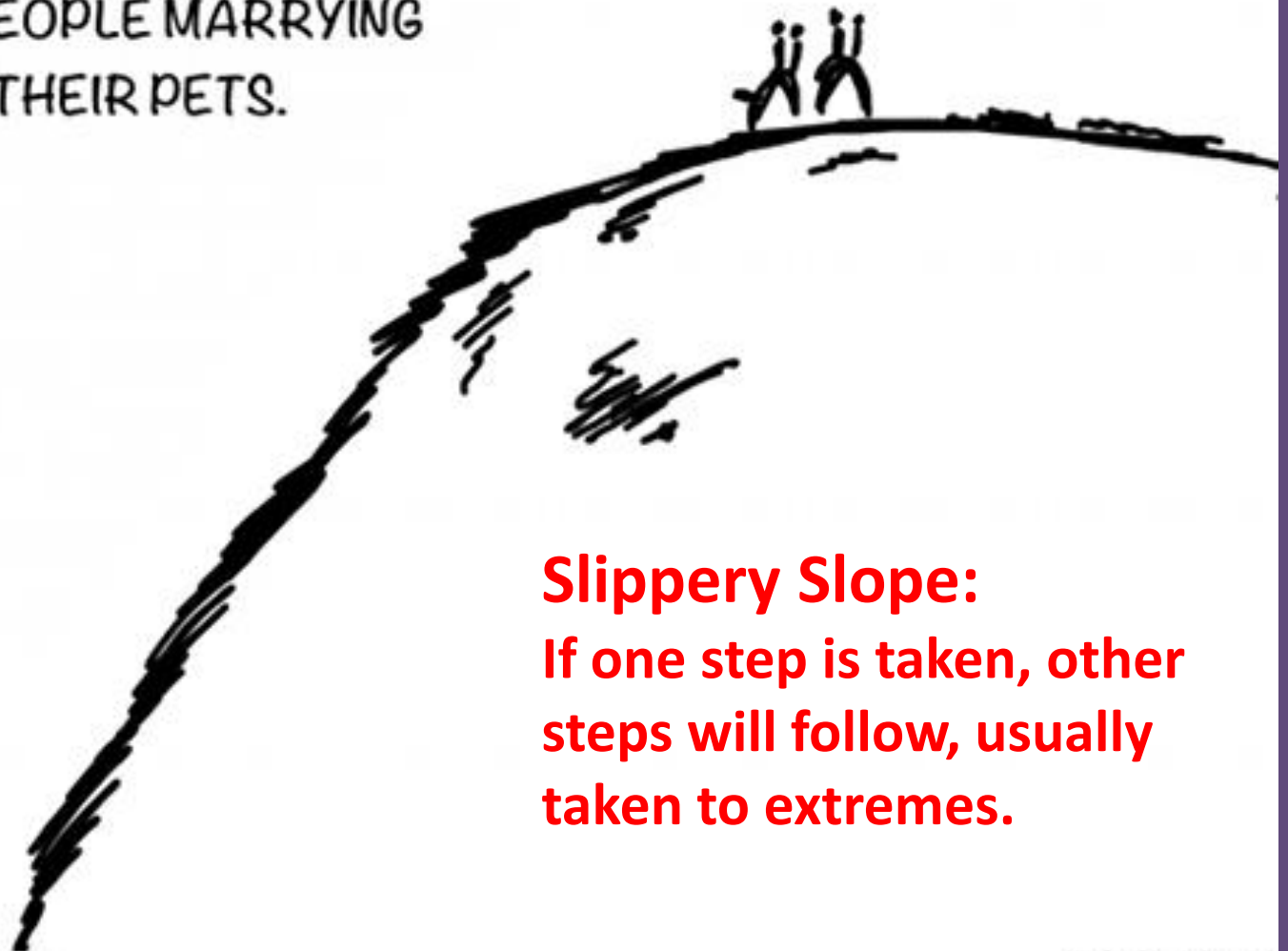
Logical Fallacies:

An Introduction

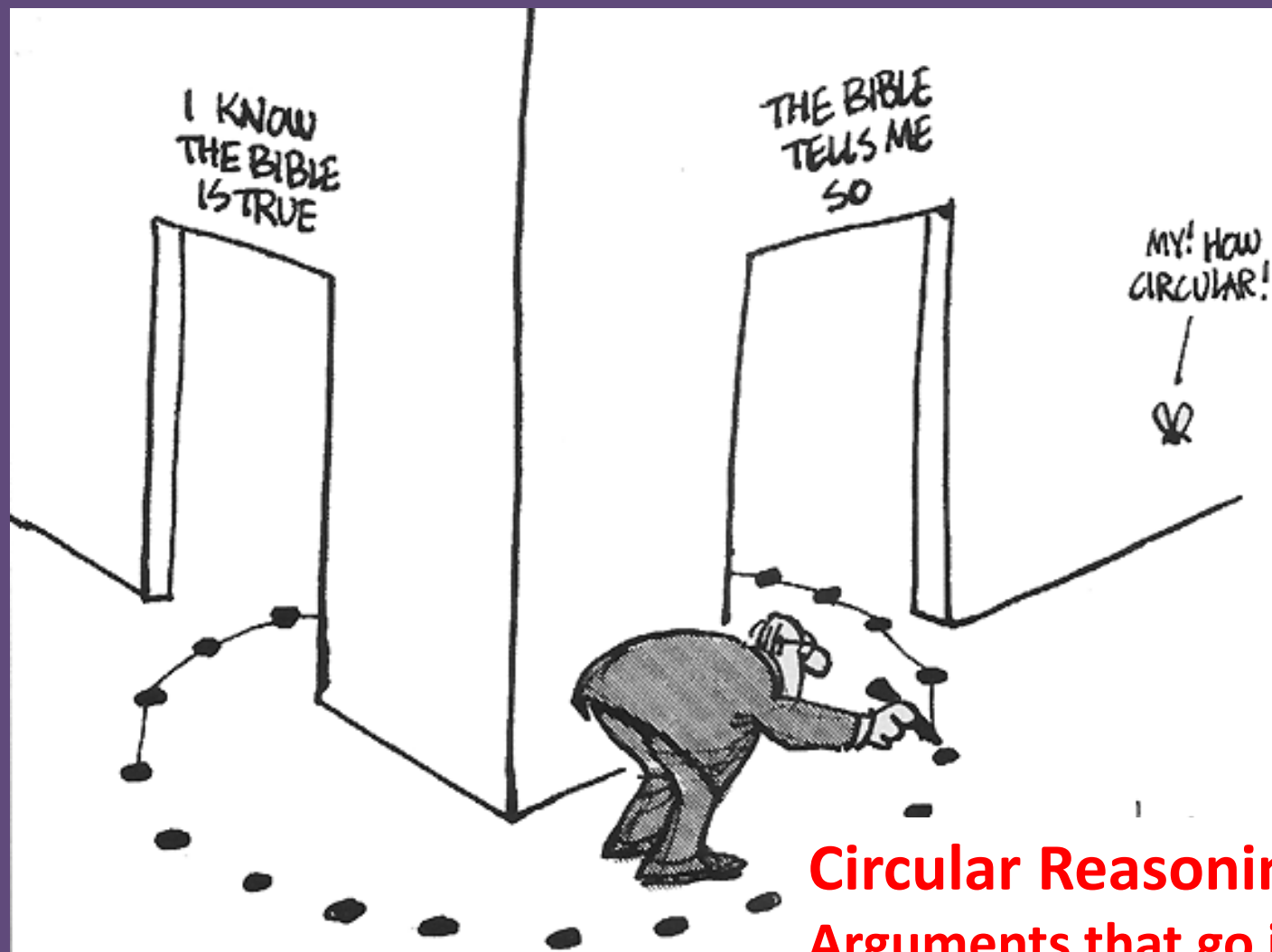
Logical Fallacies

- An intentional or unintentional error in reasoning, poor logic, or a failure to prove the conclusion
- It is **important** to be able to recognize logical fallacies to avoid being exploited or swindled by writers or speakers who want your money, your voice, or your vote.
 - Many times used by politicians, celebrities, public figure (you will see just how common they are)

AND DOWN AT THE BOTTOM
OF THE SLOPE, YOU CAN
SEE PEOPLE MARRYING
THEIR PETS.



Slippery Slope:
If one step is taken, other
steps will follow, usually
taken to extremes.

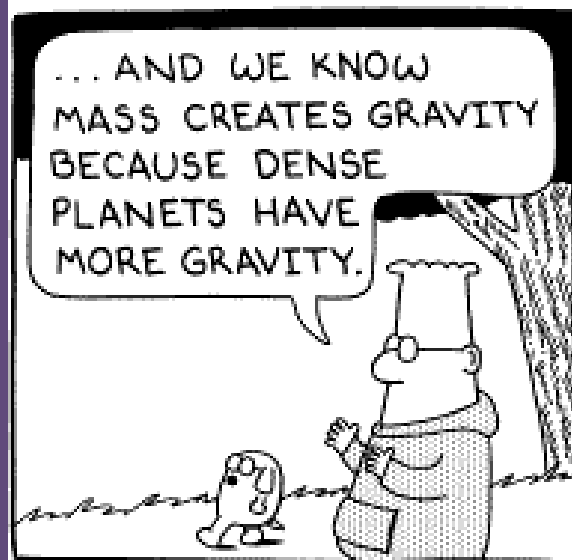


FAITH-BASED CONNECT-THE-

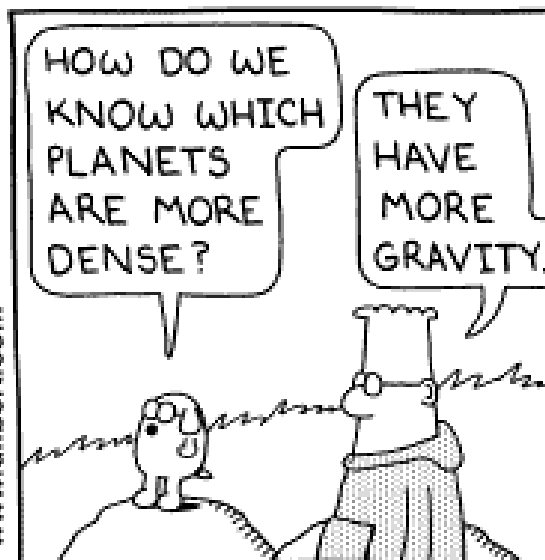
Circular Reasoning:
Arguments that go in a
circle, have no foundation

- Funny Seinfeld moment involving circular reasoning:
 - <http://www.youtube.com/watch?v=8CVbku6nxhU>

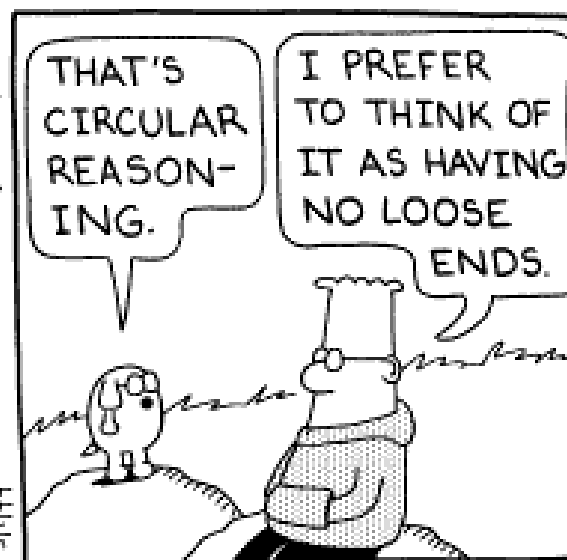




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False Dichotomy:
When only two
options/solutions are
present



Who would you

RATHER

see live?

research **saves.org**



CLEARC



Straw Man:
Refuting an argument
by weakening or
misrepresenting it



Hasty Generalization:
Making a conclusion
based on little evidence
or experience

**The two weightlifters I have met both took steroids
Therefore:
All weightlifters take steroids**

The Bandwagon Effect

A large crowd of people, mostly men, are gathered at what appears to be a sports event. They are wearing white t-shirts or jerseys, many of which feature the Pittsburgh Penguins logo. In the center of the crowd, a man stands out wearing a red Detroit Red Wings jersey with a white 'C' on the chest. The background is a solid purple color.

Bandwagon Appeal:
Using the popularity of a
belief as evidence of its
truthfulness

**Because no one wants
to be this guy.**



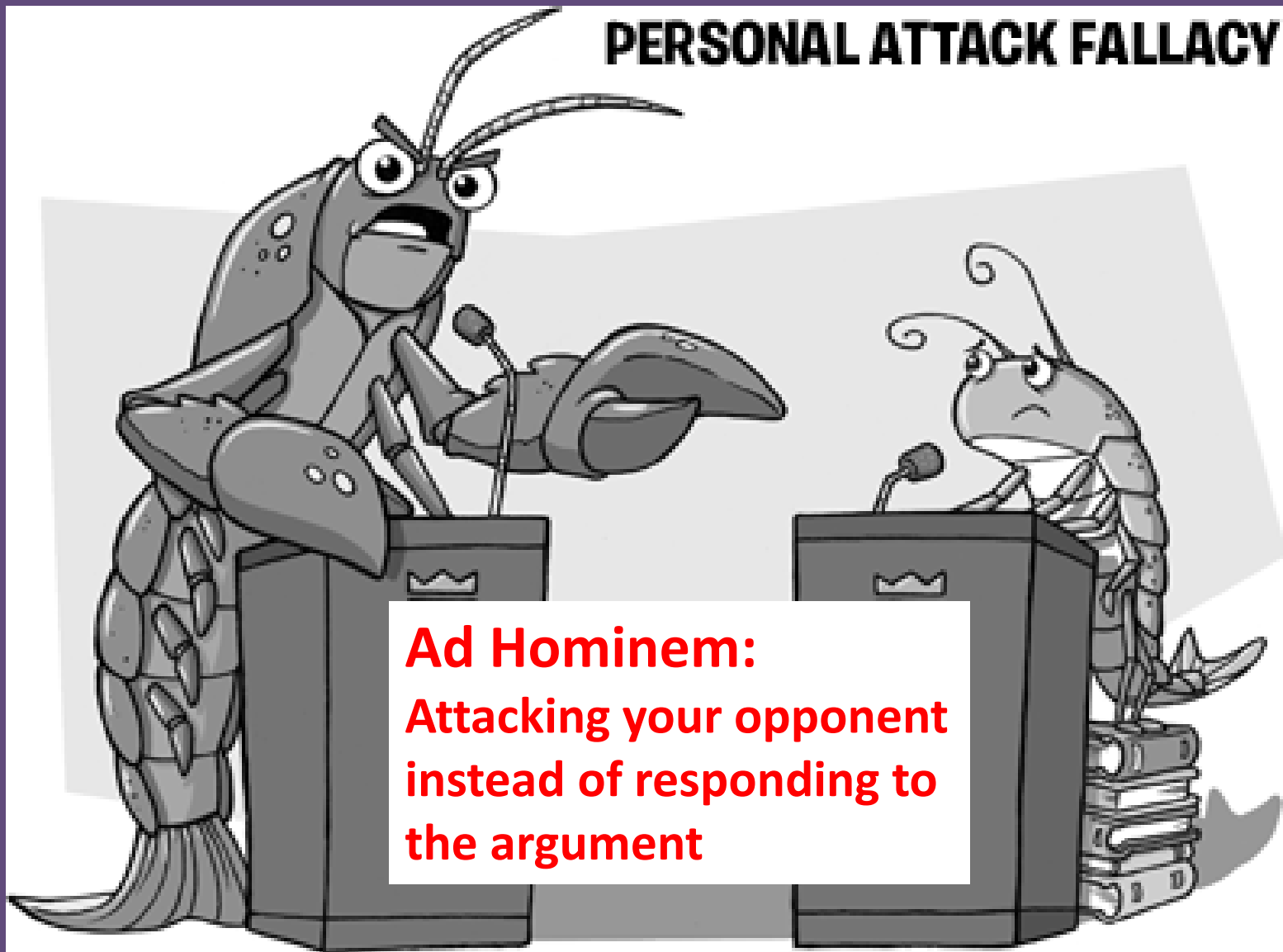
Red Herring:
Redirecting the argument
to another issue, avoiding
the question

Logical Fallacies



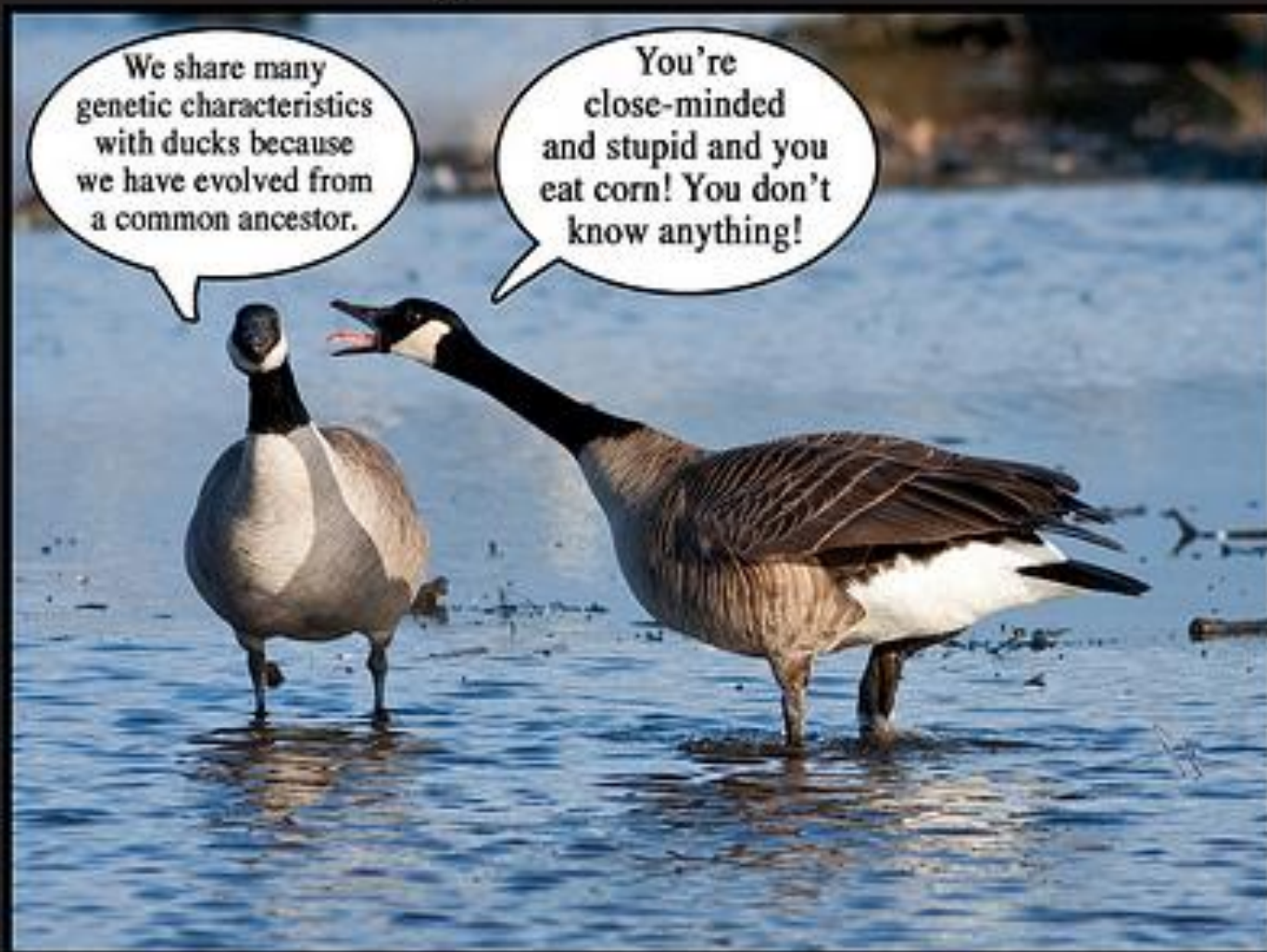
Red Herring

PERSONAL ATTACK FALLACY



Can we let a shrimp like this run our great country?

Logical Fallacies



The Ad Hominem

GLOBAL WARMING EVIDENCE:

LOOK! RIGHT HERE
HE ENDS A SENTENCE
WITH A PREPOSITION!

AND HERE HE
FORGOT TO DOT AN 'I'...
WHAT A FRAUD

SKEPTICS



- Video from class:
 - http://www.youtube.com/watch?feature=player_embedded&v=fXLTQi7vVsl
- INFO: What is logic and what is broken logic?
 - <http://www.youtube.com/watch?v=VRZk62QNOsM>
- INFO: The Gambler's fallacy:
 - <http://www.youtube.com/watch?v=K8SkCh-n4rw>
- Logical Fallacies in the media (Try to guess which fallacy is used!):
 - <http://www.youtube.com/watch?v=slv8dB6Jhsw>
- Funny student video about fallacies in commercials:
 - <http://www.youtube.com/watch?v=fais-C9CBlw>

Test Yourself

- Can you identify the logical fallacy that is used? (There may be some fallacies you haven't seen. Use this website to learn about more logical fallacies:
<http://www.nizkor.org/features/fallacies/>)
 - <http://www.funtrivia.com/playquiz/quiz2814762039ae8.html>
 - <http://www.braingle.com/trivia/29744/logical-fallacies-i.html>