

Responses to Quest Through the Archives

- 1. Search for an article that describes how climate change has affected flamingos. What does the article discuss?** Possible student response: In the article "[French flamingos froze to death without freezing](#)," published 10/16/2014, researchers discuss the idea that climate change events have led to the deaths of large numbers of flamingos, not because they froze in low temperatures, but because they didn't appropriately time migrations or meals because of the lack of food caused by low temperatures. Researchers found that flamingos did not have enough protein stores to abate the effects of the lack of available invertebrates to eat.
- 2. The researchers in this article were concentrating their studies on the flamingo's sway or wobble on one leg. Search for an article that examines another bird that wobbles. Explain what it is about.** Possible student response: The article "[Chubby king penguins wobble when they waddle](#)," published 2/17/2016, discusses the idea that when a king penguin carries extra weight on the front of his body, its center of gravity is shifted. The shift in its center of gravity makes it less stable while walking on land.
- 3. The flamingo clearly has overcome balance issues. Search for an article about balance problems in human beings. What is the problem and what is being done to overcome this problem?** Possible student response: The article "[New pelvic exoskeleton stops people from taking tumbles](#)," published 5/11/2017, discusses the use of a wearable motorized exoskeleton that can sense balance irregularities and correct them to help the wearer. Stroke victims and those with spinal cord injuries would benefit from these devices by preventing them from falling.