PROBLEM OF THE WEEK #7
(Spring 2017)

Dean Gribb had to question five of the math professors on Monday, to find out which of them had put the prairie dogs in the Chancellor's office over the weekend. Each professor told the dean two truths and a lie. Here's what they said:

- Prof. Frayer: "I'm innocent. I don't see what's so funny about putting prairie dogs in someone's office. Dr. Haertzen is the guilty one."

- Prof. Good: "It certainly wasn't me. I've never done anything like that. Dr. Jeske did it."

- Prof. Haertzen: "I didn't do it. The Chancellor thinks I did, though. I know Prof. Ira is innocent."

- Prof. Ira: "It was nothing to do with me. Dr. Frayer and I both thought it was pretty funny, though. Dr. Good is right: Dr. Jeske did it."

- Prof. Jeske: "I am not guilty. Dr. Good lied about me. Prof. Frayer is the guilty party."

Who let the dogs out?

Solution:
Prof. Haertzen is the culprit.

Proof. Jeske can't be guilty: if he were, both of his first two statements would be lies.
This means that Good's third statement is her lie. Thus Good is not guilty.
Also, Ira's third statement is his lie. Thus Ira is not guilty, and Frayer thought the prank was funny.
So Frayer's second statement is a lie, and Haertzen is guilty.   □

Source: Dedopulos, Tim. "Play." *Star Trek: Spock's Logic Puzzles.* London: Carlton Books Ltd. (2015), pp. 127, 210.