

# Forensics Information Packet

Princeton Science Olympiad 2017

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## The Harvard-Princeton Football Game

It was the night before the big Harvard-Princeton Football game. David Fan, the Princeton team's star runningback, was working out in Jadwin Gym, getting ready for the game. The next morning, his team was warming up a few hours before the game, and David was nowhere to be found. David's best friend and teammate Eddie realized, "Wait, David always works out the night before a game! Maybe he fell asleep in the gym?" The team rushed to Jadwin and found David unconscious underneath a barbell with three plates on each side. Several teammates rushed to remove the barbell, and Eddie shook David awake.

"David! What happened?"

David opened his eyes in a daze. He was barely able to get the words out.

"Who are you?"

David could not remember anything that had happened. He had several cuts and bruises on his body and after spending a night on the floor of Jadwin gym and suffering from amnesia, was in no condition to play.

Accusations started flying.

A teammate then pointed out. "Wait, David would never lift without a spotter! Someone must have done this to him!"

"Eddie always spots David! How did you know he was at the gym?"

"What?! He didn't tell me about this! It must have been a Harvard guy!"

"Okay David would never trust a Harvard guy to spot to him."

**It is your job as a forensic scientist to figure out what happened to David. You must answer questions to prove yourself, then analyze the evidence from the crime scene and from each of the suspects.**

Good luck!

### *Evidence from Crime Scene*

Powders A, E, H, K

Polymers E/H, F

Hair H1, H2

Fibers F3, F4

Fingerprints (in Answer Packet)

Ink sample found on a post it

## Suspects

### Eddie Lee

Eddie is David's best friend and fellow runningback on the football team. With David out of shape to play, Eddie now has a chance to shine in the most important game of the year.

Statement: David is my best friend! I would never do this to him!

Evidence:

- White Powder - "Okay you caught me, I just really enjoy eating large chunks of sugar before a game."
- Hair - "OKAY you caught me again, I'm hiding a pet squirrel in my room. His name is Fluffy."
- Fiber - "I'm obsessed with silk scarves, you really need to try one!"

### John Pilgrim

John is the mascot of the Harvard team, mostly because his name was just so fitting for the role. He is bullied by the "actual players" of the team, and doing something like taking out a key player of the Princeton team could win him the respect of his teammates.

Statement: First of all, I hate to admit this, but can't even lift a barbell with no weights on it. Also, I hate the guys on my team and would never want to help them. How could I have done this!

Evidence:

- White Powder - "I sprained my ankle! It helps reduce swelling."
- Fiber - "It's from the authentic wool wig of the mascot costume."
- Vis-a-vis Pen - "Yes, I go to Harvard. I have pen standards."

### Eli Daniels

Eli is actually a Yale student, and came to Princeton to sing at a joint concert of the oldest (all male of course) a cappella groups at Yale and Princeton, the Whiffenpoofs and the Nassoons. He is good friends with John, as they went to the same high school.

Statement: Who cares about a stupid game - please let me leave already, I'm missing rehearsal and we have to be better than the Nassoons!

Evidence:

- White Powder - "It's just my imported Italian shampoo!"
- Polymer - "I had to do some shopping at the Wawa!"
- Erasable Pen - "It comes in handy for rehearsals - bold but erasable."

### Lionel Blue

Lionel is a Columbia student who came to the game to protest the use of styrofoam cups and plates that the game's concessions are served with. Knocking out the Princeton team's star player could make for a much more boring game - and thus more attention would be on the styrofoam protest.

Statement: Styrofoam is destroying the world! Ban styrofoam!

Evidence:

- Polymer - "It's just styrofoam I picked out of the trash!"
- Sharpie - "Gotta make sure the signs are nice and legible."
- Fiber - "It's nylon from the tents I've set up. Okay yes we're not actually staying in them I have friends. But they make a statement."

### Ben Quaker

Ben goes to the University of Pennsylvania and came to the game to party. Did we say party? We meant join the styrofoam protest which offered free busing to students. However, to party at Princeton, he needs passes.

Statement: Can you get me a pass? I'll do anything! Oh right, and styrofoam sucks, I think.

Evidence:

- Polymer - "Okay just make sure that Columbia kid doesn't see me with this wasteful Poland Springs water bottle or he'll kick me out of here!"
- Hair - "My alter ego is Batman. I use this to help get me into character."
- Fiber - "Uh... that's part of the costume. It's a superhero costume, spandex is necessary!"