SCIENCE

ZAMBONI PILLOW GIVEAWAY
Sat. January. 10th 7:00pm
vs. Alaska Aces

One of the most recognizable instruments in hockey is the large ice resurfacing machine commonly called the Zamboni. Because 20 minutes of hockey leaves lots of cuts, grooves and even holes in the ice, the surface of the rink must be cleaned and smoothed out, or in hockey lingo "zammed." The Zamboni has a long blade that removes a very thin layer of ice from the top of the rink; you may notice that on the back of the Zamboni water is sprayed onto the ice to replace that thin layer that was just scraped off. In order for the ice to be ready to be played on as fast as possible, we need to know what temperature of water to use so that it freezes the fastest. In this science experiment, you will get to determine what temperature water should be used in the Zamboni.

Directions:
1. Find two plastic (not glass) bowls from your kitchen that are the same size and shape.
2. Take two pieces of paper, on one write the word "hot" on the other write the word "cold." Tape the hot label on-to one of the plastic bowls and the cold label onto the other
3. Using a measuring cup, pour 2 cups of hot water into the bowl labeled "hot." The water does not need to be boiling just hot water from the kitchen sink. Also, pour two cups of cold water from the kitchen sink into the bowl marked "cold."
4. Place both cups into your freezer at the same time.
5. Check the cups of water every 15 minutes. Each time you check, you should write in the space below what is happening to the water, which one is freezing faster.
6. Note which bowl of water froze all the way through first.

TIME	COLD WATER	HOT WATER
15 minutes		
30 minutes		
45 minutes		
60 minutes		
90 minutes		
120 minutes		

Should the Condors use Hot or Cold water in the Zamboni?

Hot