



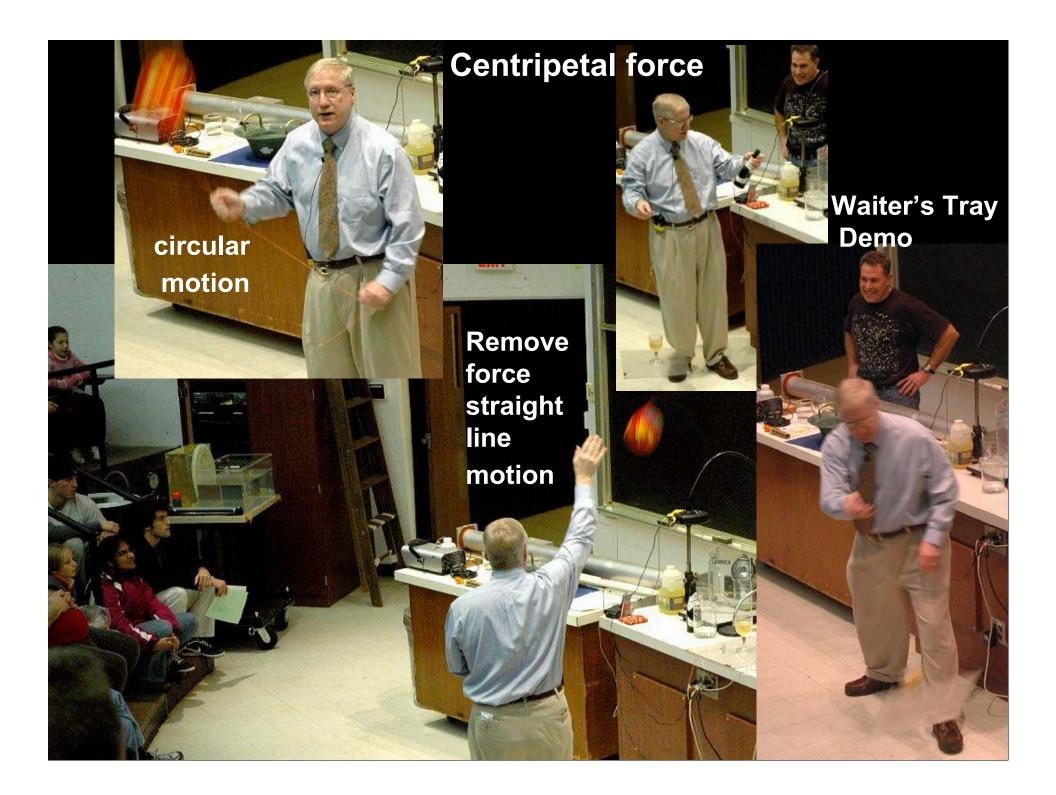
Rotating Chair Mass close to axis – faster rotation.

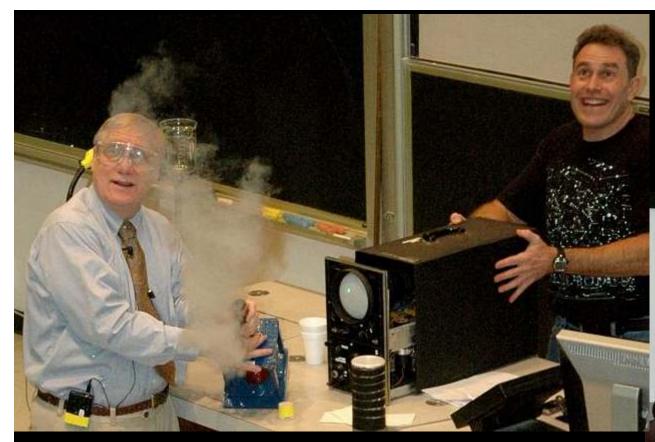


### Force reaction force.

Potentially dangerous ! Large jerky acceleration/force. Note attempt to have push close to center of mass.







Liquid nitrogen cannon.

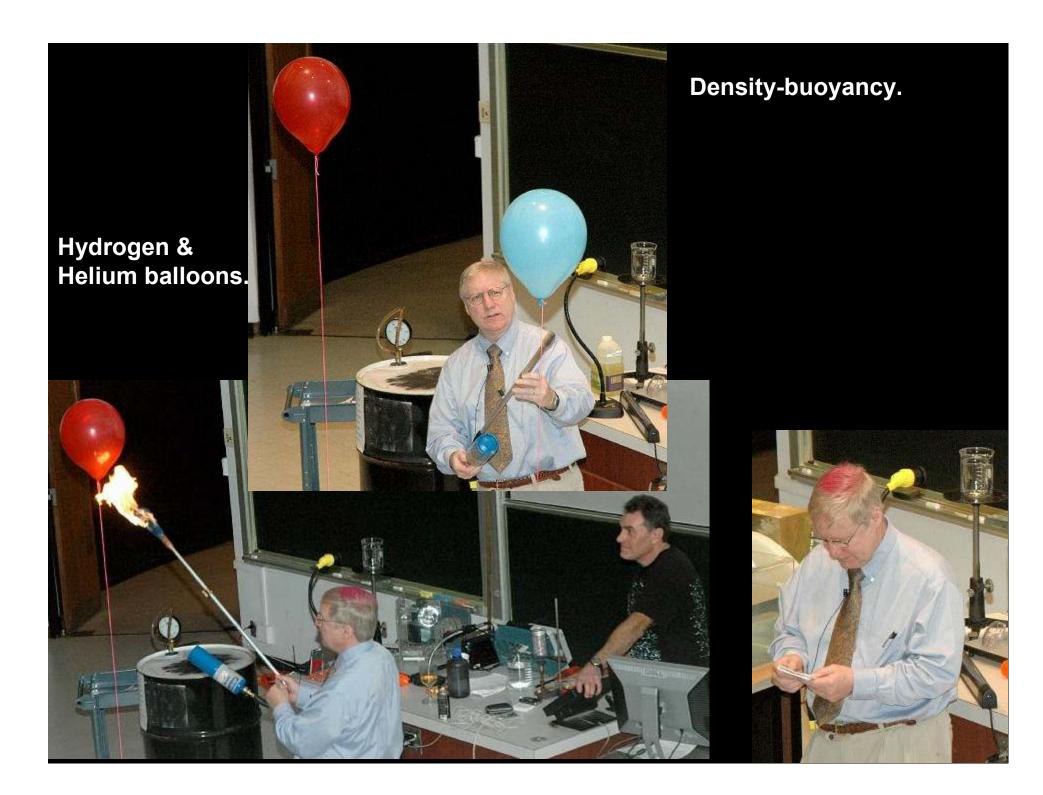
Liquid to gas – large volume expansion - pressure buildup blows cork.

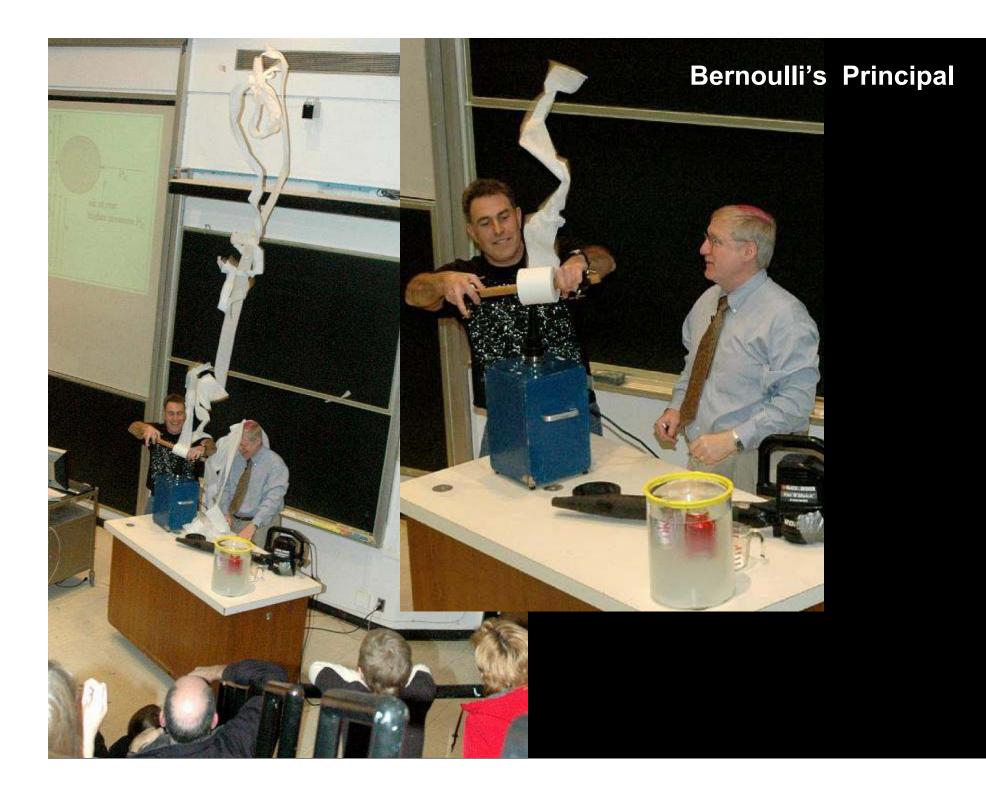
### Pendulum Energy conservation.

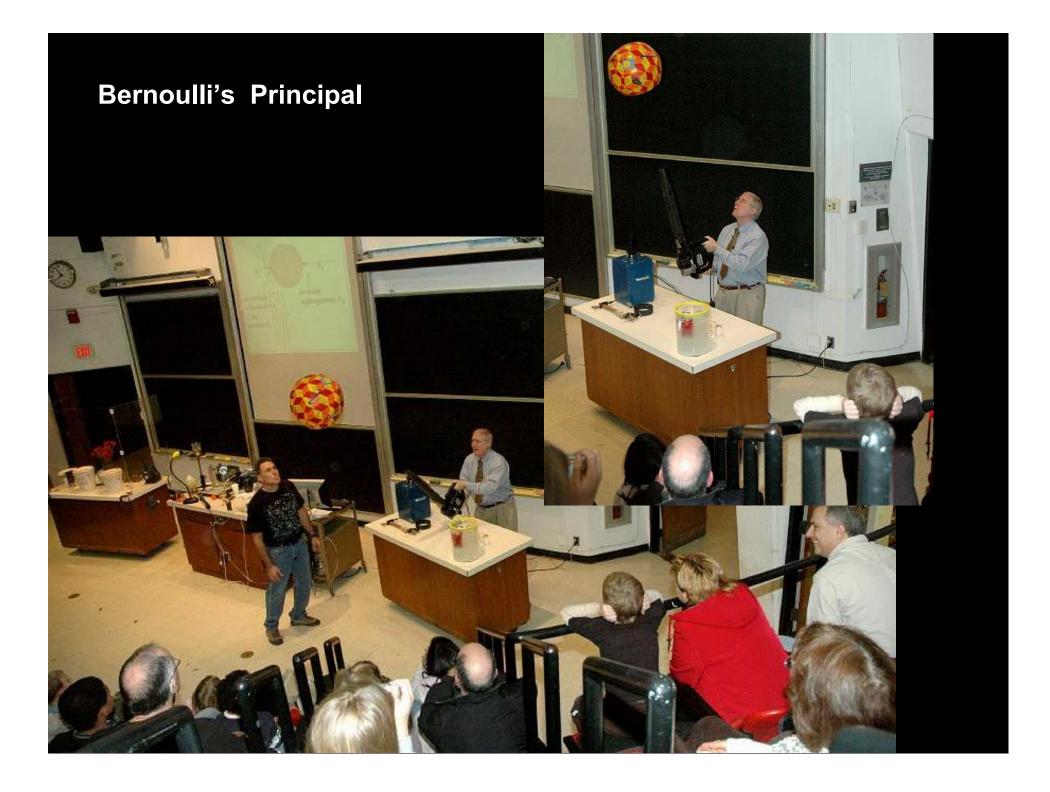
# Standing waves on rope.

## Flame tube standing waves.











Force per nail. Why Prof. doesn't pop.

## Dave's favorite demo?