

## 1 | Steve video

corona discharge from a sharp point - charges ground off a point easier than  
current = which way and how much - low current high voltage is fine - hot dogs in a microwave (poke holes) - current kills not voltage

## 2 | Vandegraph demo

- See annotated pdf last page SRCElectrostaticsPacket1annotatedExr0n.pdf
- #question How does the comb keep depositing charge onto the rubber belt?
  - something about glass creates static charge with rubber, minuses on the inside inducing dipole in rubber atoms (atoms rotate) and pluses on outside? Which attracts more charge from the ground?
  - Spark is a plasma
    - \* Electrons and atoms are ripped from each other, and the charged particles are free to move wherever they want (~ 10k volts per centimeter)