

## Stroboscopic Effect

- A key "discovery" by Michael Faraday that a rapid series or progression of photographic images gives the illusion of fluid motion
- The origin of the term "motion pictures"
- Think of "thumb books" or "flip books"
- Also the origin of the so-called "frame rate," the speed at which images need to sequence in order to convince the brain that motion is occurring: 24 frames per second (actually rounded up from 23.976). Just remember 24p or 24 f/s



## A Very Brief History of Photography

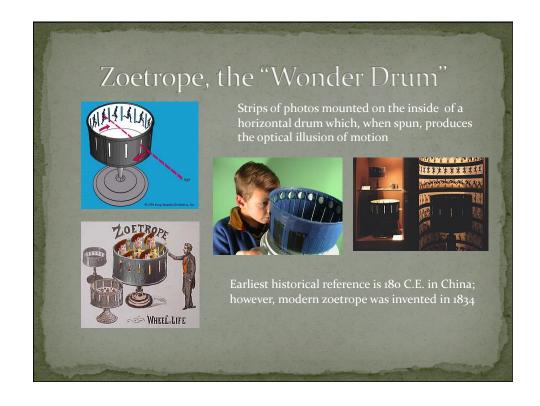
Frenchman Joseph Nicéphore Niépce produced the first photograph by using silver nitrate: the fine dust darked when exposed to a beam of light

- First photograph ever was produced by Niépce in June/July 1826
- "View from the Window at La Gras"
- Method was called "heliography" or "sun writing"
- The photograph took 8 hours of exposure time (allowing for sunlight on both sides of the building)

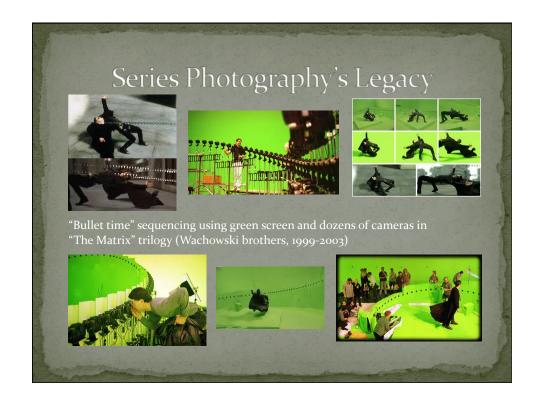


Niépce then shared his technique with artist and chemist Louis Jacques Mandé Daguerre, and the two became colleagues.









## Review and Synthesis:

- 1. What are the differences between the following: Camera Obscura, Magic Lantern, Zoetrope?
- 2. What commonalities exist between ALL of these inventions, ie. what common goals and objectives did their creators have?
- 3. Who is best known for "series photography" and what is it?
- 4. What relationship exists between series photography and the Zoetrope?
- 5. How many frames per second is necessary to trick the brain into believing motion has occurred? What is this "effect" called?

