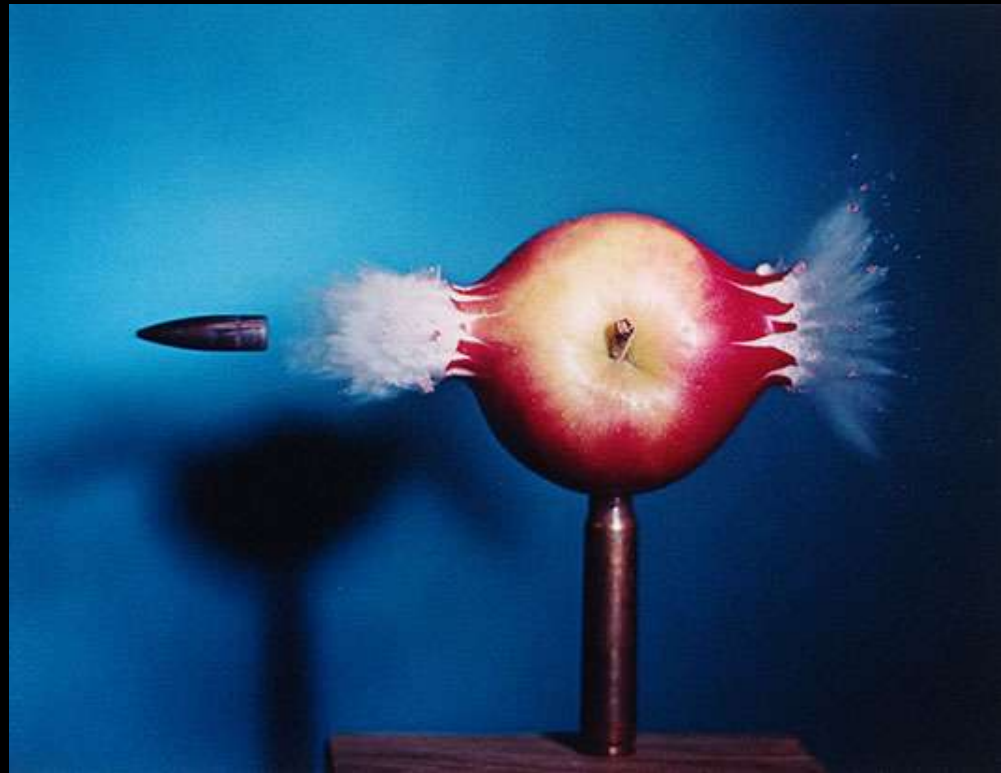
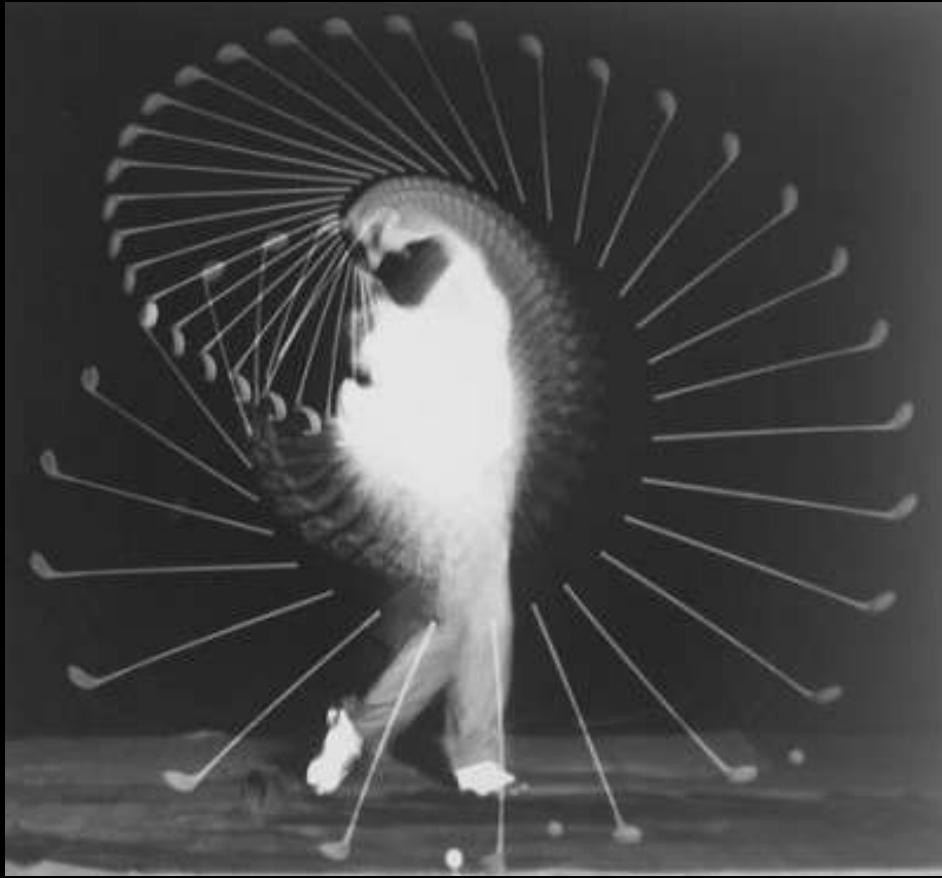


Capturing Motion



Harold Eugene "Doc" Edgerton



- Electrical engineering at the Massachusetts Institute of Technology
- Credited with transforming the stroboscope

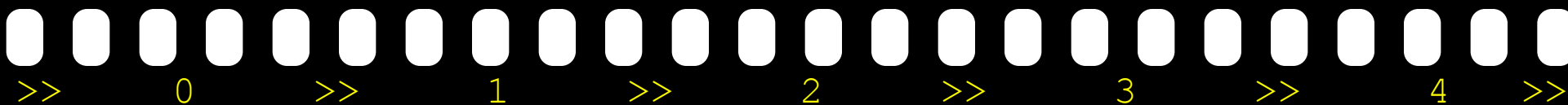
Examples of action...





Concerns when shooting action

- Not easy
- Usually only have split seconds to capture rare moment
- Key part of the camera which controls action...



Shutter speed



List common shutter speeds

- B
- 1
- 2
- 4
- 8
- 15
- 30
- 60
- 125
- 250
- 500
- 1000
- 2000

More expensive cameras have faster shutter speed capabilities

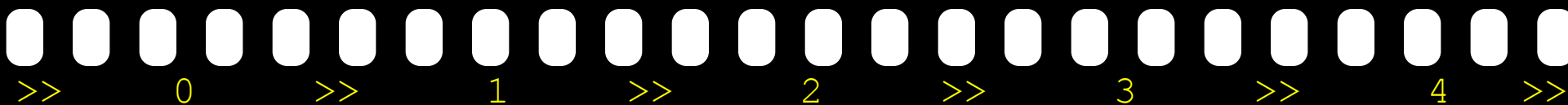
How does shutter affect motion?





3 types of Action

- STOP
fast shutter speed
- BLUR
slower shutter speed
- PANNING
follow subject with camera while shooting



STOP-Action



- Fast shutter speed to stop action.
1/500-1/5000 sec.
- Minimal shutter speed for hand holding is 1 divided by the *focal length* of the lens.

BLUR-Action



- Slower shutter speed
- End result: blurred action
- Non-moving objects-like background should be in FOCUS

PANNING-Action



- Pan camera along in time with the moving subject
- End result:
sharp subject
blurred background
- 1/60-1/15 sec.

BLUR Action

Identify what type
of ACTION



PAN Action

Identify what type
of ACTION





Identify what type
of ACTION

STOP

Action

Semi-Auto Camera Modes



AV Aperture Priority

TV Shutter Priority

Sports Mode

Stop Action

Landscape Mode

Blur

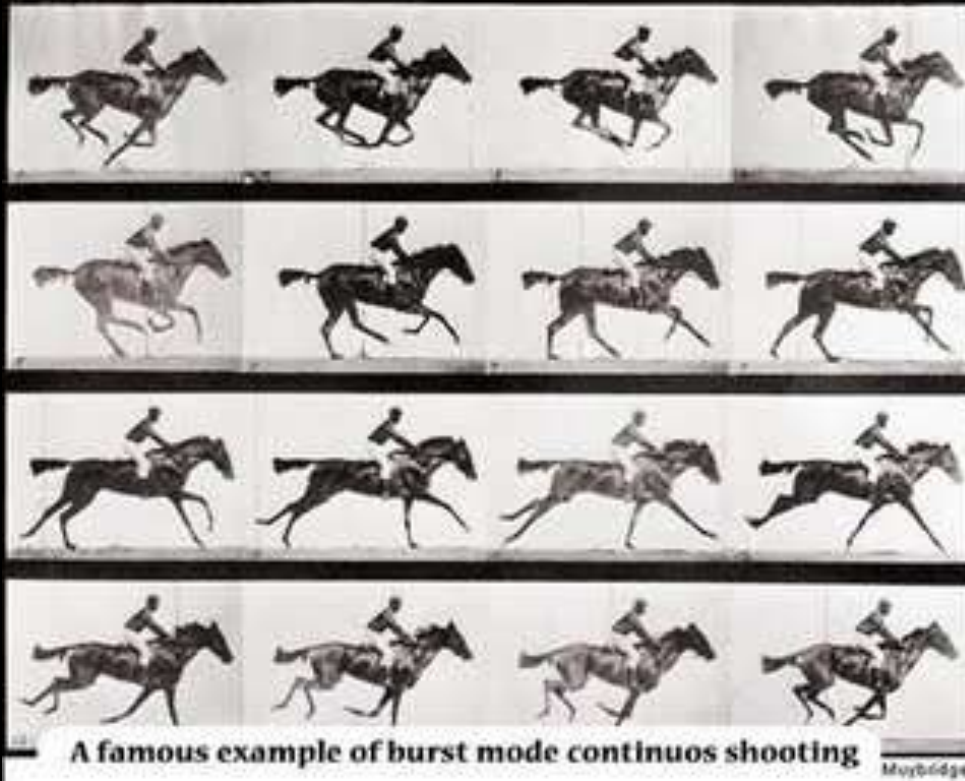
Pan

Continuous Burst Mode



- takes a series of shots in rapid succession
- While the shutter button is fully pressed down, the camera shoots continuously

Great for...



- fast moving subjects
- difficult to judge the correct timing to get a good photo
- pre-focus is essential

Accessories



- Minimizes blurriness use esp. indoors



- Give extra support for long, heavy lens



Flash



YES if not enough
available light

NO if it will distract
athletes or
performers



Reminders



Vantage Point

Be alert &
don't get hurt

Focus

Pre-focus
Press down halfway

Burst Mode/Continuous

Guarantees the right shot

Experiment

Variety of shutter speeds

Clark Little



Good Morning America- Clark Little
Slide Show Tour 2009