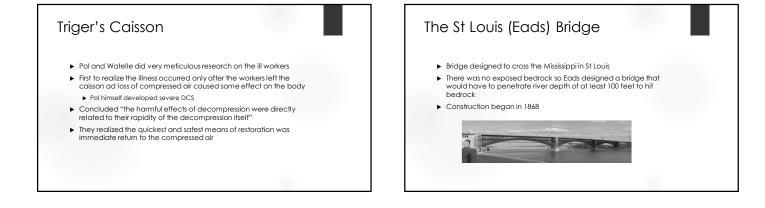
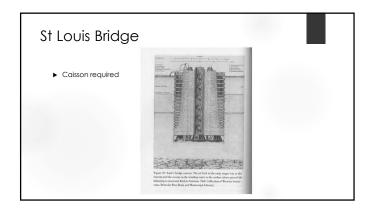
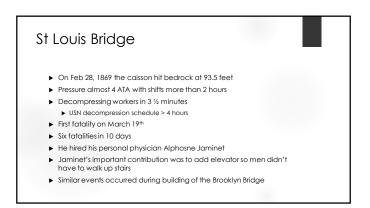


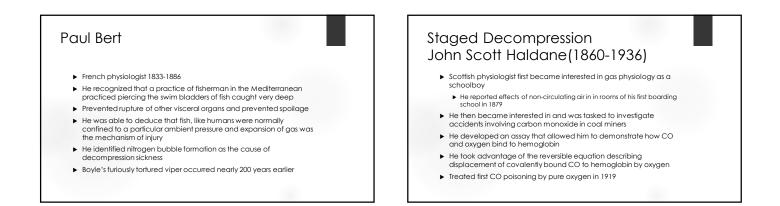
#### Triger's Caisson

- Worker shifts were 7-10 hours at 3 ATA
- USN no-decompression limit at 62 feet is 50 minutes
- Triger reported that 2 workers became ill with severe arm and leg pains about 30 minutes after exiting the pressurized caisson
- Many reported breathlessness after exiting
- ► He called this mal de caisson
- ► He hired two physicians B Pol and CJJ Watelle









#### Staged Decompression John Scott Haldane(1860-1936)

- Haldane and his colleague Guybon Damant a Royal Navy diver performed hundreds of experiments on decompression
  Two critical concepts
  - Identified the concept of tissue saturation
  - The longer a tissue was allowed to saturate the longer it to desaturate
- Developed the concept of tissue half-times
- Developed staging decompression
  - First mathematical models of decompression
  - Concept that you an reduce pressure by about ½ and not develop decompression sickness
- Experience shows not exactly true but decompression tables in use today are still based on Haldane and Damant's original work





