* Why are scientists interested in Pulsars?
  + Extreme states of matter
  + Search for planets beyond our solar system
  + Measure cosmic distances
  + Forecast cosmic events with gravitational waves
    - Detect supermassive black hole collisions
* First Pulsar Discovery
  + Jocyelyn Bell and Anthony Hewish in 1967
  + Jocelyn Bell noticed small pulses of radiation at a specific position
    - Thought it might be another civilization
    - Named the pulses LGM1
      * Little Green Men 1
      * First discovered as radio sources, they are now observed using optical
        + X-Ray Telescopes
        + Gamma Ray Telescopes
        + Images in FITS (flexible image transport system) format
    - Multi-Dimensional Arrays
    - 2D and 3D with an ASCII header

Audio file location:

<https://www.atnf.csiro.au/outreach/education/everyone/pulsars/B0329.mp3>

* + The double pulsar system (millisecond pulsars)
    - Allows theories of gravity to be tested (Parkes radio telescope)
    - Einstein’s theory agrees perfectly with observations
    - Highest rate of Pulsar finds
      * 1997 13-beam receiver installed
        + 13 areas of the sky studied simultaneously