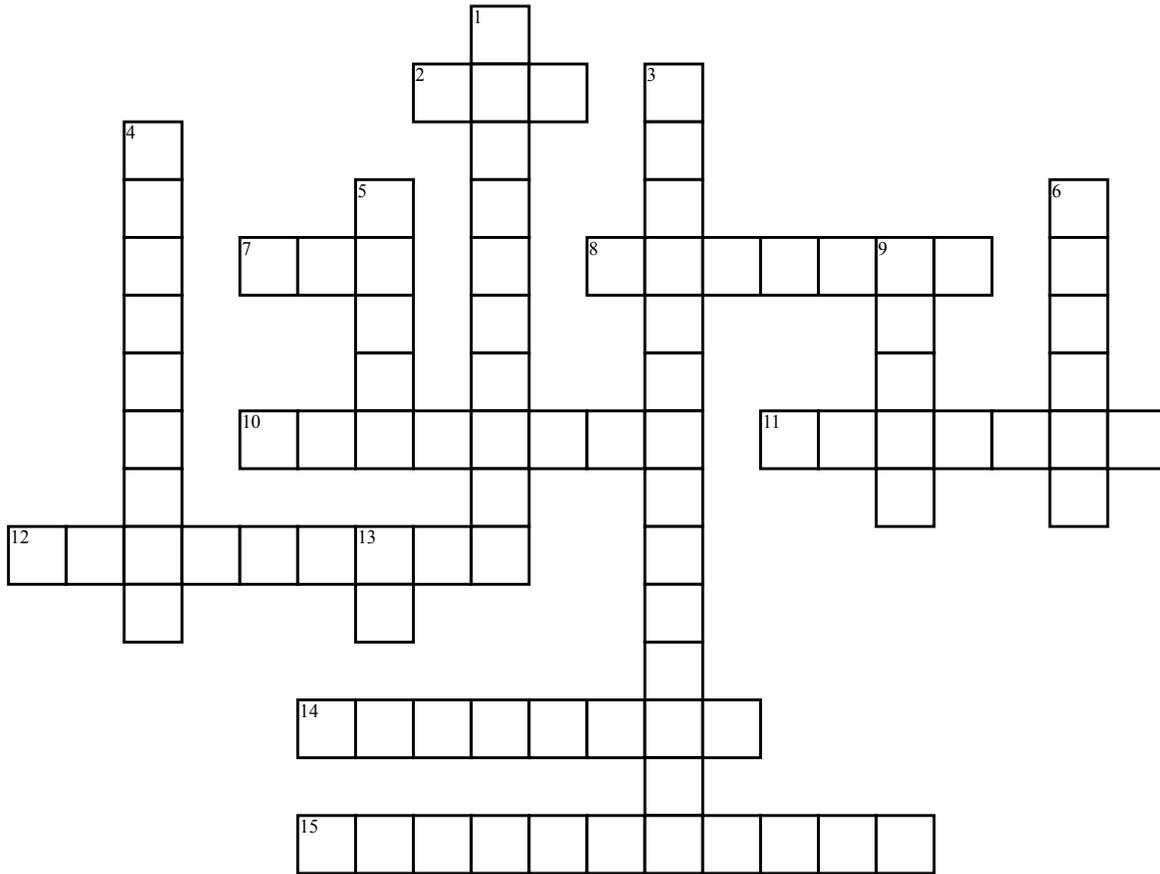


# Test Your Knowledge- Ruby Payne Scott



## Across

2. The approximate percentage of Australia's population that had to fight in WW2.
7. One of Australia's largest wireless service companies during the 1940s for which Payne-Scott worked for
8. To honor Payne-Scott's contributions to science, Danebank School continues to host an annual Payne-Scott \_\_\_\_\_, which is given by women scientists.
10. To avoid being fired, Payne-Scott had to keep her \_\_\_\_\_ a secret.
11. Through an experiment that involved cultivating \_\_\_\_\_ embryos, Payne-Scott's group concluded that the magnetism of the Earth doesn't affect processes occurring in living beings.

12. Payne-Scott was hired as a \_\_\_\_\_ at AWA at first, but her job soon turned into the job of a full-time physicist!
14. Dark "patches" in the sun caused by twists in the sun's magnetic field
15. In the 20th century, Australia was an \_\_\_\_\_ society- Women would stay at home and take care of their children, while men earned money to support their families.

## Down

1. During the economic \_\_\_\_\_ in the 1930s, it was incredibly hard for women to find work.
3. Payne-Scott helped create the swept-lobe \_\_\_\_\_, which could image the sky dozens of times per second!

4. Payne-Scott invented a device known as an S-band \_\_\_\_\_, which could check the sensitivity of receivers and measure the intensity of incoming signals.
5. CSIRO's "Radio Physics" division was actually a cover for \_\_\_\_\_ research.
6. Payne-Scott attended the University of \_\_\_\_\_.
9. A type of telescope designed to receive waves emitted by space objects
13. A movie of the sun that was constructed using an interferometer helped to identify Type \_\_\_\_\_ solar bursts. (Answer in roman numerals)