

Microwave

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What?

- Microwave
- Quickly heats up food from electromagnetic radiation

Why?

- During WWII, magnetron tubes used to generate microwaves for short-range military radar
- WWII ends
 - Raytheon and other microwave related corporations sought new appliances



When?

- End of WWII
- 1941: Percy Spencer
 - Raytheon corporation engineer
 - Accidental discovery (Error)
 - Chocolate melted in his pocket while he was near a magnetron
 - Tested popcorn
- 1955: Tappan sells commercial microwaves

Who?

- Percy Spencer
 - Raytheon Corp.
- Bell Labs, General Electric, RCA
 - Had been working on radio waves for years
- Tappan
 - Home-use microwave



Where?

- England: British workers created magnetrons for WWII
- Raytheon Corp. (United States)
- Boston restaurant - first commercial test was done for public use

How?



- How to use it (experiments, popcorn, chocolate)
- Radio waves heating up items at a certain frequency
 - Food gets attacked by all sides of these waves
 - Resulting vibrations heat up the food

Works Cited

- <https://spectrum.ieee.org/tech-history/space-age/a-brief-history-of-the-microwave-oven>
- <https://www.livescience.com/57405-who-invented-microwave-oven.html>