

The Landline Telephone

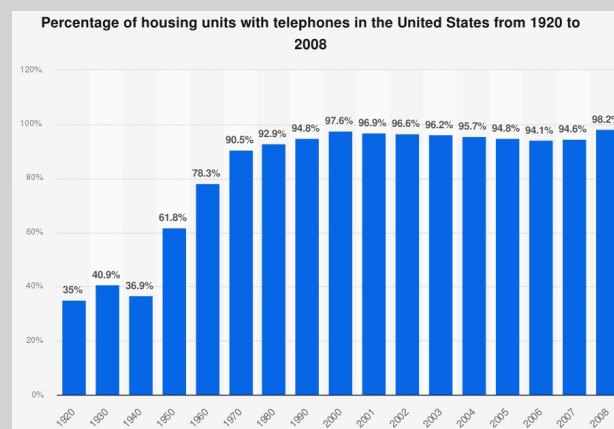
History

1876 - Alexander Graham Bell received patent and the first phone call was made. He called Thomas Watson and said, "Mr. Watson, come here. I want to see you."



<https://www.wannapik.com/vectors/39385>

Early 2000's - Over 90% of US households had a landline telephone.

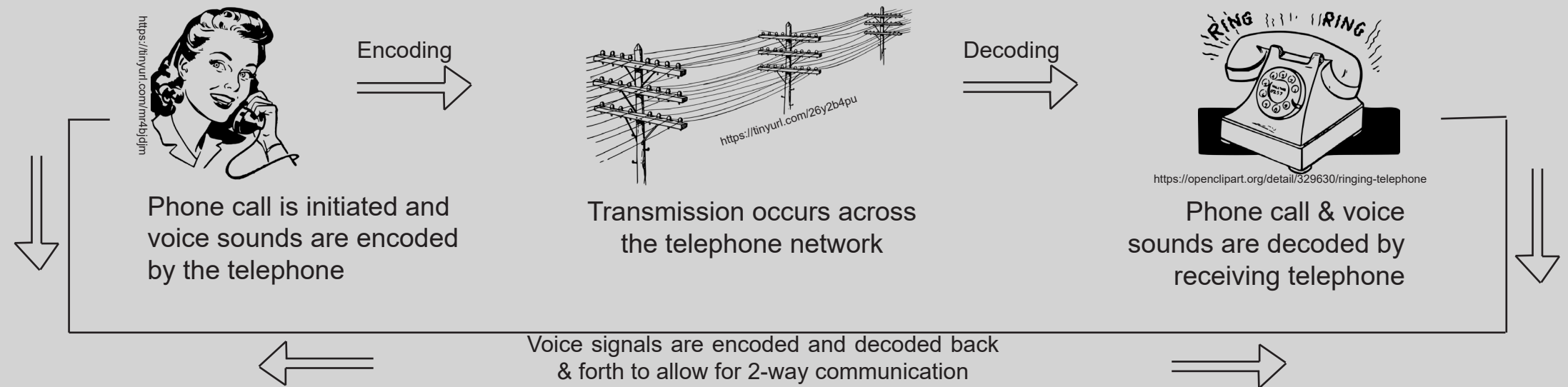


<https://www.statista.com/statistics/189959/housing-units-with-telephones-in-the-united-states-since-1920/>

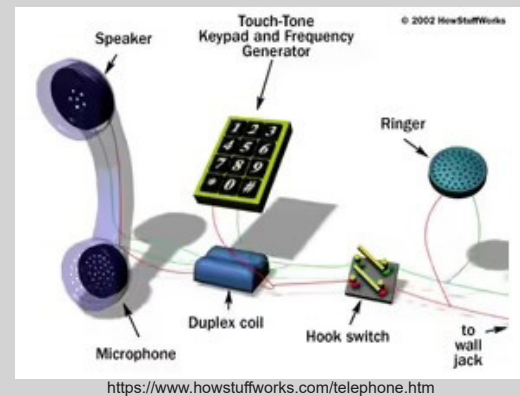
Today - Less than 30% of US households have a landline. They have mostly been replaced by mobile phones.

<https://potsandpansbyccg.com/2023/08/16/who-still-has-landlines/>
<https://www.explainthatstuff.com/telephone.html>
<https://www.howstuffworks.com/telephone.htm>

Communication



How It Works



<https://www.howstuffworks.com/telephone.htm>

- Switch connects & disconnects the phone from the network
- Speaker allows the receiver to hear the sender's message once it's been decoded
- Microphone captures the sender's voice signals to encode and send to the receiver
- Keypad & frequency generator allows the sender to dial the phone number of the receiver
- Wires carry the electrical signals to & from the phones across the network
- Duplex coil blocks the sound of your own voice from reaching your ear

Applications

-Social Communication-
Talking with friends & family



<https://tinyurl.com/bdh2hpx3>

-Business Communication-
Connecting with colleagues & companies



<https://www.rawpixel.com/image/7685139/png-hands-vintage>

-Emergency Services-
Dialing 911 for emergency assistance



<https://www.rawpixel.com/image/7669433/png-people-cartoon>

Impacts

Political: Provided faster, easier communication for government officials, especially during times of crises

Social: People could maintain relationships and connections long-distance

Cultural: Facilitated the exchange of ideas, cultures, and traditions across different regions of the country and world

Environmental: Network required significant resources such as copper wire, energy, lumber and land access for telephone poles