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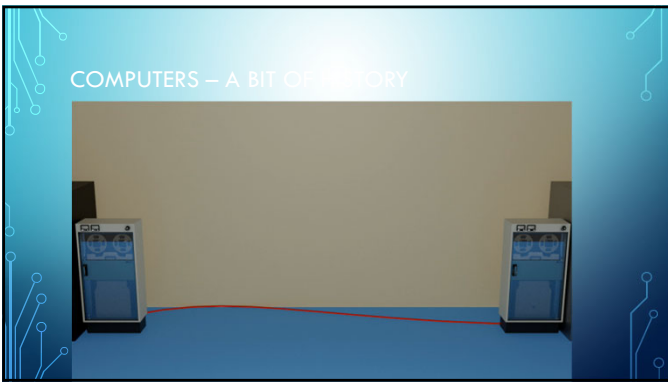
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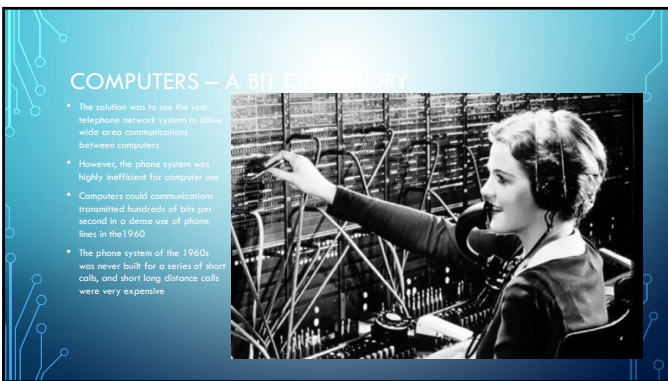
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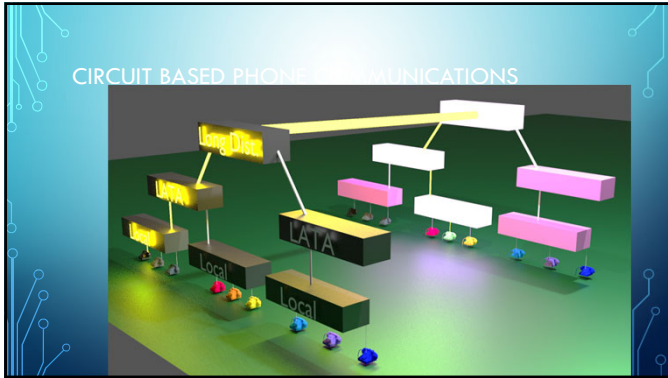
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- ### MODERN COMMUNICATIONS
- Based on TCP/IP networking
    - All devices receive a local IP address [hardcoded or from a router]
    - Connection of routers, modems and switches

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RECAP



[https://youtu.be/PpsEaqJV\\_A0?si=QyL76Ri0\\_VEF6SC9](https://youtu.be/PpsEaqJV_A0?si=QyL76Ri0_VEF6SC9)

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TCP/IP COMMUNICATIONS

- Information of all kinds is broken into packets
- Packets follow a uniform set of international standards
- Packets flow from origination to destination through a series of routers
- Routers look for the least congested way to send a packet toward the destination
- Each packet can take its own route to the destination

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TCP/IP COMMUNICATIONS

- Once at the destination, the packets are unpacked and the information is reassembled
- The information can then be used by the recipient at the destination

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### TCP/IP COMMUNICATIONS

- Because packets travel from origin to destination using opportunistic routing, the overall network is deemed to be "self healing"
  - This means that if a route is lost or inoperative, the packet will be rerouted to reach its destination
  - The route is independent of geography

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### TCP/IP COMMUNICATIONS

- Ports
  - TCP/IP Ports are a way for different internet services to access devices depending on the protocol used for the service
    - For example:
      - Port 80 is HTTP
      - Port 25 is SMTP (e-mail)
      - Port 20 is for FTP
      - Port 115 is for SFTP
      - Port 443 is for HTTPS
    - <https://www.lanix.org/assignments/service-names-port-numbers/service-names-port-numbers.html>

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### LAW AND TECHNOLOGY

- Technology is moving at a rapid pace often without regard for the impact of the technology on existing laws and regulations
- Internet technologies are inherently not contained by geography
- Government jurisdiction and laws are inherently limited by geography
- Containing internet traffic by government order is difficult

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LAW AND TECHNOLOGY



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LAW AND TECHNOLOGY

- So what is a gambling device?

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LAW AND TECHNOLOGY

- How would you have defined a gambling device in 1930?

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LAW AND TECHNOLOGY

- How would you have defined a gambling device in 1980?

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LAW AND TECHNOLOGY

- How would you define a gambling device today?

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LAW AND TECHNOLOGY

- How would you define a gambling device today?

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**LAW AND TECHNOLOGY**

- NRS 463.0155 "Gaming device" defined. "Gaming device" means any object used remotely or directly in connection with gaming or any game which affects the result of a wager by determining win or loss and which does not otherwise constitute associated equipment. The term includes, without limitation:
  - 2. Mobile gaming
  - 9. As used in this section:
    - (b) "Mobile gaming" means the conduct of gambling games through communications devices operated solely in an establishment which holds a nonrestricted gaming license and which operates at least 100 slot machines and at least one other game by the use of communications technology that allows a person to transmit information to a computer to assist in the placing of a bet or wager and corresponding information related to the display of the game, game outcomes or other similar information. For the purposes of this paragraph, "communications technology" means any method used and the components employed by an establishment to facilitate the transmission of information, including, without limitation, transmission and reception by systems based on wireless network, wireless fidelity, wire, cable, radio, microwave, light, optics or computer data networks. The term does not include the Internet.

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**LAW AND TECHNOLOGY**

- NRS 463.0155 "Gaming device" defined. "Gaming device" means any object used remotely or directly in connection with gaming or any game which affects the result of a wager by determining win or loss and which does not otherwise constitute associated equipment. The term includes, without limitation:
  - 3. A collection of two or more of the following components:
    - (a) An assembled electronic circuit which cannot be reasonably demonstrated to have any use other than in a slot machine;
    - (b) A cabinet with electrical wiring and provisions for mounting a coin, token or currency acceptor and provisions for mounting a dispenser of coins, tokens or anything of value;
    - (c) An assembled mechanical or electromechanical display unit intended for use in gambling; or
    - (d) An assembled mechanical or electromechanical unit which cannot be demonstrated to have any use other than in a slot machine.
  - 7. Any combination of one of the components set forth in paragraphs (a) to (d), inclusive, of subsection 3 and any other component which the Commission determines by regulation to be a machine used directly or remotely in connection with gaming or any game which affects the results of a wager by determining a win or loss.

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**LAW AND TECHNOLOGY**

- NRS 463.0155 "Gaming device" defined. "Gaming device" means any object used remotely or directly in connection with gaming or any game which affects the result of a wager by determining win or loss and which does not otherwise constitute associated equipment. The term includes, without limitation:
  - 4. Any object which may be connected to or used with a slot machine to alter the normal criteria of random selection or affect the outcome of a game.
  - 5. A system for the accounting or management of any game in which the result of the wager is determined electronically by using any combination of hardware or software for computers.

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LAW AND TECHNOLOGY

- NRS 463.0155 "Gaming device" defined. "Gaming device" means any object used remotely or directly in connection with gaming or any game which affects the result of a wager by determining win or loss and which does not otherwise constitute associated equipment. The term includes, without limitation:
- 6. A control program.
- 9. As used in this section:
  - (a) "Control program" means any software, source language or executable code which affects the result of a wager by determining win or loss as determined pursuant to regulations adopted by the Commission

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LAW AND TECHNOLOGY

- NRS 463.0155 "Gaming device" defined. "Gaming device" means any object used remotely or directly in connection with gaming or any game which affects the result of a wager by determining win or loss and which does not otherwise constitute associated equipment. The term includes, without limitation:
- 8. Any object that has been determined to be a gaming device pursuant to regulations adopted by the Commission

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LAW AND TECHNOLOGY

- So now how would you define a gambling device?

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NEXT WEEK -

- Basics of modern computers
- Encryption
- Block Chain

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