

Telephones, Radios, Cell phones and ??????



Group #9

Stephanie Walker - "The Success of Radio"

***Heather Darcy - "The Invention &
History of the Telephone"***

***Racquel Thomson: "The Evolution of the
Mobile phone"***

Norville Barrington - "The Future of Communication"

RADIO

The Success of Radio



- Radio became available to the general public and was usually found in people homes and cars. As radio grew more popular, it began reaching a wide audience also known as broadcasting. With the expansion of radio, many ideas were created. This paper will show the many purposes of radio including enjoyment of music, news, advertising, political, marketing, entertainment and much more.

The Success of Radio



- Guglielmo William Marconi who created the first wireless telegraph system in 1896.
- Marconi traveled to England to patent his invention and registered it as a means of communication.
- Nikola Tesla who also took out patent for wireless radio transistor. Tesla claimed he was the original inventor of radio

The Success of Radio



- This origin goes back to the mid 1800's when Samuel Morse invented the telegraph. This was an important factor for both the radio and telephone because the telegraph system was the first invention that introduced communication through technology.
- Telegraph lines ran from coast to coast in the United States and later connected North America to Europe.
- It wasn't until Alexander Graham Bell invented the telephone that made all possible.

Television



- Television created the downfall of radio
- Television began to replace radio as a primary medium for communication.
- People were more intrigued with vision and seeing images on the screen that radio had become a secondary alternative.
- The impact that television had was tremendous and with images being shown on television, people felt more connected to the characters or predicaments. Television created an emotional tunnel for viewers especially since they were able to read expression and distress.

The Success of Radio



- Campaign created big business and an even bigger audience. Many people tuned in night after night to listen to this ongoing debate and advertisers saw this as a way to grow their business. Advertisers concluded this was a great way to market to the people because they were certain people were tuned in based on the constant rivals about the debate in public.

Talk Radio



- Many people relied on radio for their news and daily information. As a result, radio has grown far beyond that – boosting many careers by introducing public figures to the public on air. This helped generate ratings for radio stations as well as sales for the individuals and this is currently working as a source of promotion today.

The Success of Radio

- Computers are making it very easy to obtain information in a matter of seconds. With newspapers, magazines, news, bloggers, etc. information is being delivered through numerous source. Also, considering the upgrades on I-pod phones as well as music devices many people are not necessarily relying on radio for music anymore as a primary source neither .



The Success of Radio



- Presently, radio is still at the top of the charts of communication. Radio manages to keep up with this constant evolving era – therefore I see it sticking around in the future. By offering online radio and talk radio it is hard to assume this medium can be cancelled altogether.

- In conclusion, it is very likely that radio will be around for the long haul. This medium will feature updated news, music, and artists - therefore people will continue to rely on this source for information.



TELEPHONES

Telephone



- **Heather Darcy** - “The Invention & History of the Telephone ”

- A basic overview of the history of telephony, telephone instruments and a look at how the instrument itself developed and changed. She will also highlight why the telephone was invented, the importance of the telephone, usage and the future of the telephone and its providers.

Telephone



- The invention of the telephone has heightened communication technologies across the globe.
- Before the telephone was invented people had no other choice but to communicate through Morse's telegraph (a series of decoding dots and dashes to determine a message), fire/torch light, loud drums, the notion of controlling complex smoke signals, the Pony Express (transporting letters from horses from destination to destination), or even the "hello girls" early telephone operators.
- The word telephone derives from the Greek word "Tele" meaning a voice or sound from afar.

Telephone



- “Harmonic telegraph” is given credit to Alexander Graham Bell. Watson collaborated and proved that “different tones would vary the strength of an electric current in a wire.”
- In order to achieve this successfully they needed to “build a working transmitter with a membrane capable of varying electronic currents and a receiver that would replace these variations in audible frequencies,

Death of the Telegraph



- March 1876, not only did Bell and Watson give birth to the telephone, they caused the death of the telegraph. This idea of “talking with electricity” gave a new meaning to the world of communication. The “harmonic telegraph” is associated with its first message, “Mr. Watson, come here. I want to see you”.

Telephone



- Only two metal cans and a string to transfer the vibration and sound waves between the two cans is an absurd distinction to the telephones of today

- They use electret microphones for the transmitter and piezoelectric transducers for receivers, but the principle is the same.

Outdoors Telephones



New Phones



- In the U.S. only, from December 1997, 55,312,293 million people went wireless; this number quadrupled to over 250,000,000 in ten years,
- This continues to grow exponentially. According to James Katz of MIT, “two billion people have telephones this is enough for one third of the planet’s population, The invention of the telephone has paved the way to other technological advances. ”



CELLULAR PHONES

Cellular Phones



- **Racquel Thomson** will discuss the creation and evolution of the cellular phone, which will detail the basic concepts and how it works.
- Thomson will look at the generational eras of these devices including 2G, 3G, 4G, Wi-Fi, Wi-Max (Worldwide Interoperability for Microwave Access) and UWP (wireless handheld microphone system) capabilities, along with many additional services such as short message service and multimedia messaging services for sending and receiving photos and video, text, MP3 player, radio and GPS.

Cellular Phones



- Martin Cooper
- “Cellular was the forerunner to true wireless communications," and he was right. Cell phones are no longer just a communication device, they are now being used for socializing, networking, entertainment, safety, security, and so much more.
- Social Networking You can even check your Twitter or Facebook account (social networks) on your mobile device all while walking, shopping, or virtually anywhere else.

Cellular Phones



- A Mobile phone or Mobile (also called cellphone and handphone) is an electronic device used for mobile telecommunications (mobile telephony, text messaging or data transmission) over a cellular network of specialized base stations known as cell sites.

- Evolving technologies available on the cell phone are GPS maps, Camera w/ video recorder, MP3 Player, Radio, Email, WI-FI, Messaging (SMS, MMS), and Bluetooth (creates open wireless protocol for exchanging data over short distances from fixed and mobile devices, creating personal area networks (PANs)).

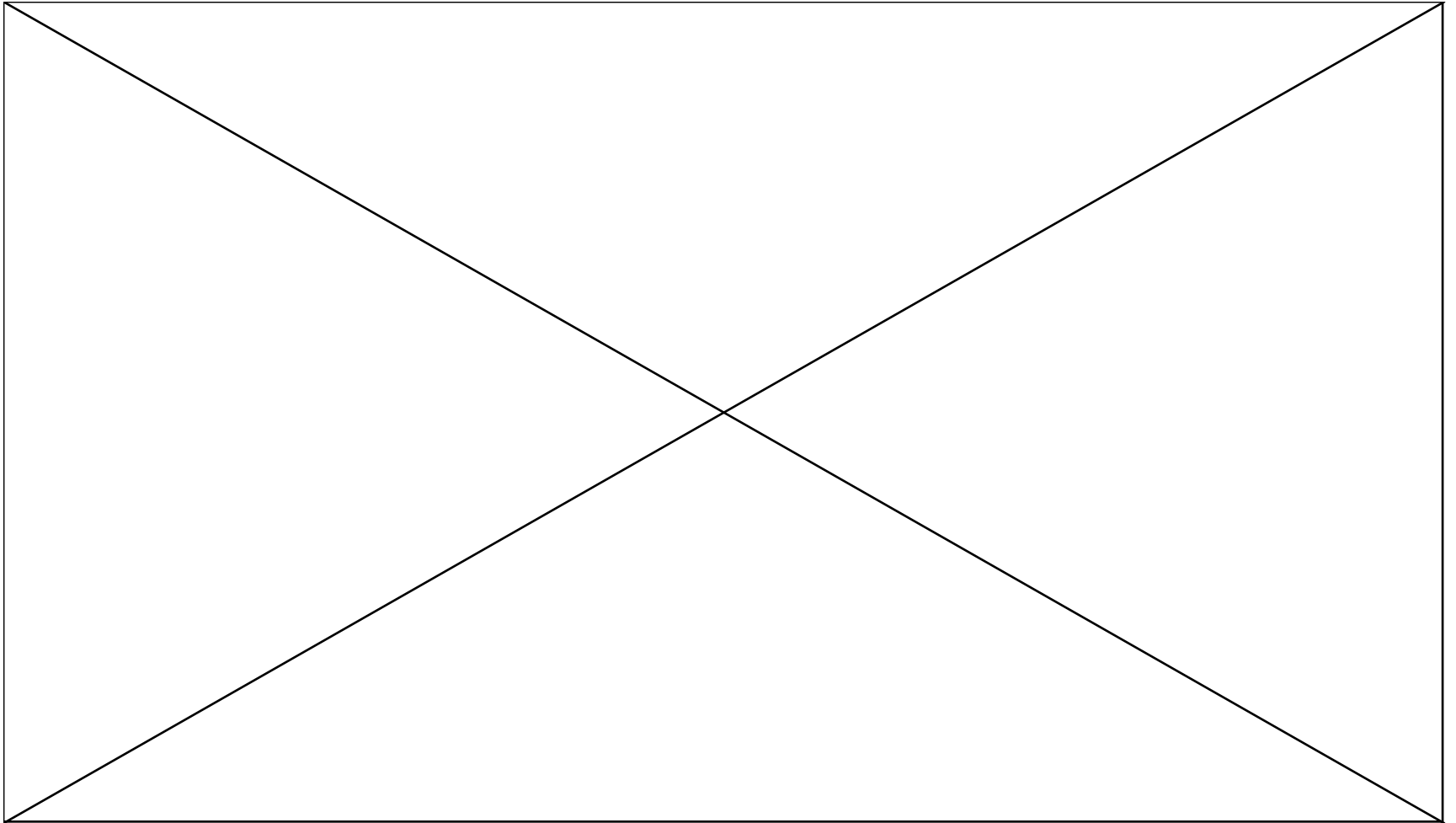
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Cellular Phones



- Presently there has been a peak growth of cell phones with global-positioning technology-GPS. This is likely attributed the events of September 11th and since then the FCC mandated under Phase II of the E911 emergency service requirements, wireless carriers are required to provide some type of automatic location identification (ALI) technology in areas where public emergency services are equipped to take advantage of location technology

Verizon DROID Search



Cellular Phones



•Google Inc. recently introduced a free application that calls out directions -by-turn, just like the standalone devices do, allowing motorists to focus on driving without having to look at the phone for directions. The application was recently launched on the Droid phone from Verizon Wireless and myTouch 3G/G1 from T-Mobile.



Cellular Phones Disadvantages

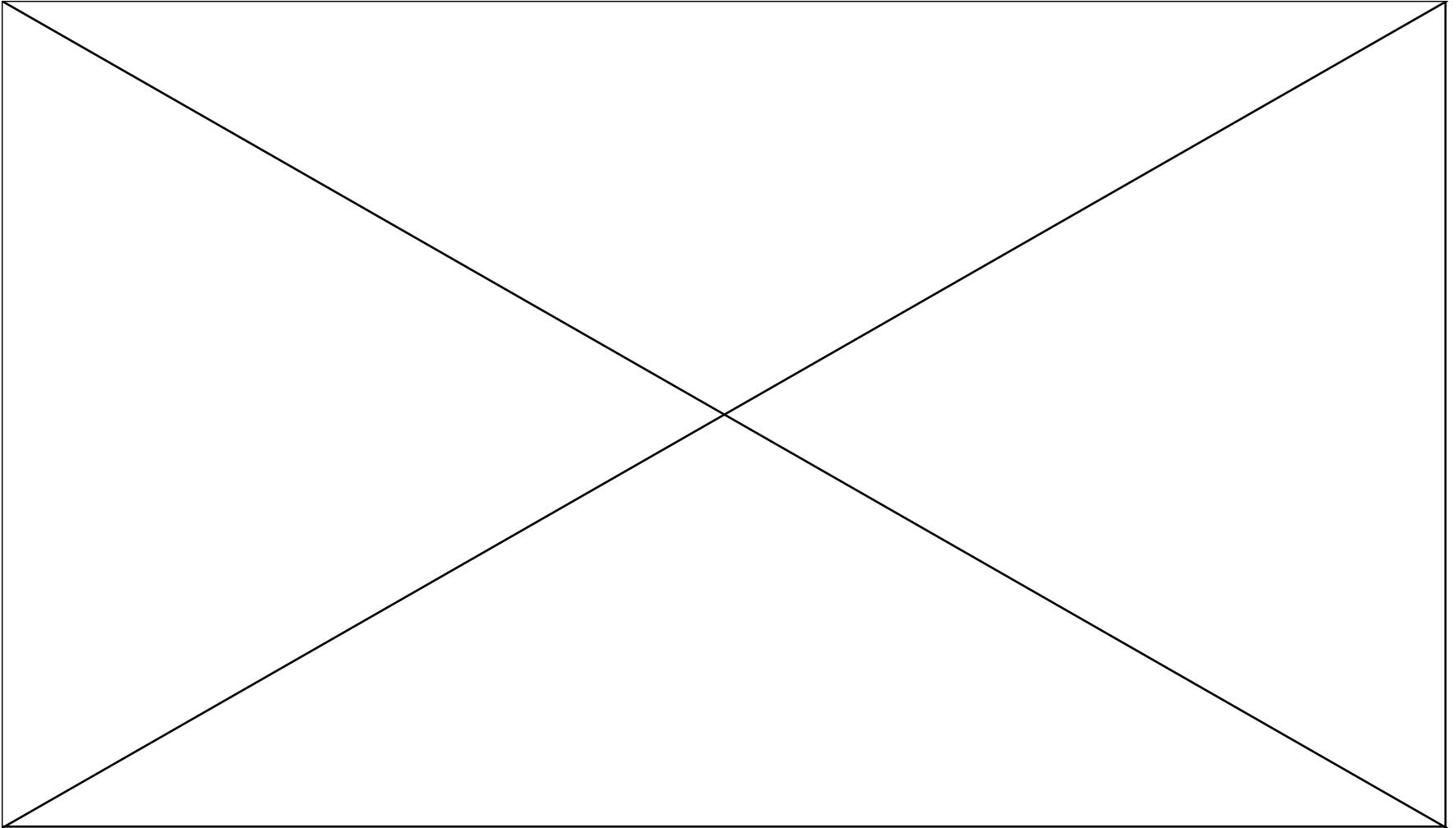


- Several security threats lurking on the mobile platforms, such as Digital Terrorism, mobile malware/viruses, unauthorized access to personal files, slowed processor speeds, etc .

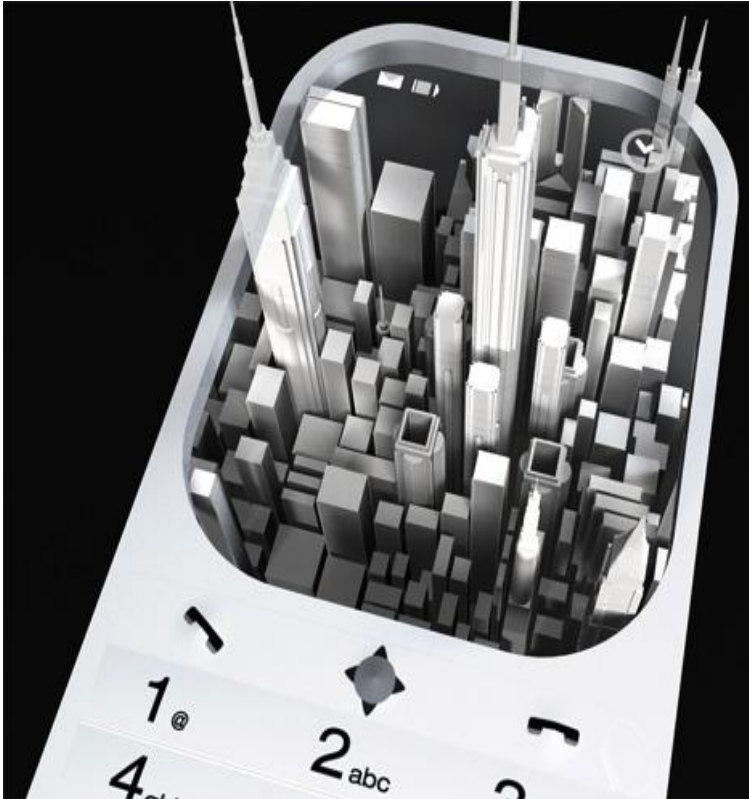


THE FUTURE IS NOW!!!

Integrated Communication



This Future is Now



- Forecasting the evolution of telecommunications to integrated platform devices such as a high-speed broadband internet connection to make video phone calls, listen to transmissions normally on a radio devices, e-mails, messages and ways of communicating. In addition, technological advancements that will have increasing bridge connectivity and technology to the convergence of technology and a human body that will be literally become an interface

Devices



•Linked with credit cards, IDs, surfing through the internet, record videos, take and send photos, have maps and compasses, listen to radio through the country, music through mp3 files and much more



Mobile Devices & Networks



- The correct term of these platforms are called “mobile devices” such can be a cellular device, laptop or handheld computer” that has multiple features.

- VIOP

- Wi-Fi

- 4G

M Commerce



- Mobile Commerce (owing to the ubiquitous nature of its services) is the ability to conduct commerce, using a mobile device e.g. a mobile phone (cell phone), a PDA, a smart phone and other emerging mobile equipment such as dashtop mobile devices.
- “Transaction, involving the transfer of ownership or rights to use goods and services, which is initiated and/or completed by using mobile access to computer-mediated networks with the help of an electronic device.”

Human Interface Device



- Human Interface Device defines the protocols, procedures, and features that shall be used by Bluetooth Human Interface Devices, such as keyboards, pointing devices, gaming devices, and remote monitoring devices.”

- Jim Mielke's wireless blood-fueled display is a true merging of technology and body art. At the recent Greener Gadgets Design Competition, the engineer demonstrated a subcutaneously implanted touch-screen that operates as a cell phone display, with the potential for 3G video calls that are visible just underneath the skin.

Human Interface Device



Apple iBoob Breast Implant



•SteveJobs, "and the concept was massaged over time as we felt it out, tweaking it here and pinching it there, until we were ready for release. We made sure there were no leaks. I'd say we got a leg up on the competition."



Questions ?

