1894: Mimeograph
- Edison Mimeograph Typewriter
- Cut stencils, which were then coated in ink by rollers
- Ditto machines were mimeographs using carbon instead of stencils
- Ditto machines were used up through the 1980s!

1946: The Microwave Oven
- Raytheon introduced the first commercial microwave oven in 1946-47
- The 1161 Radarange was 6 feet tall and weighed 750 pounds
- Percy Spencer, lead inventor
- Raytheon was founded by Vannevar Bush!

1950: Remote Control

1955: Wireless Remote Control

1962: Touchtone Telephone
- Premiered at World’s Fair
- Shape clearly mimics original pulse dial telephones
- Where is # and *?
1968: Liquid Crystal Display [LCD]
- RCA invented the first LCD panel in 1963
- They didn't know what to do with it, so they invented the Digital Clock in 1968!

1972: TI Calculators
- TI-2500, TI-3000, TI-3500
- $99 in 1972 dollars = $415.00, in 2002 dollars
- Add, Subtract, Divide, Multiply

1974: Pagers
- Motorola’s Pageboy I
- Alerted the carrier that they had messages
- No display
- By 1994, 61 million pagers in use

1976: CCD Scanner
- First CCD (charge coupled device) flatbed scanner
- Had OCR!
- Used 64k of RAM, scanned one line at a time
- Determined the pronunciation of the resultant words according to pre-programmed phonological rules
- Articulated those words through a speech synthesizer

1982: GRiD Compass
- GRiD Compass 1100
- 8 pounds, the weight a user was “just able to tolerate”
- $8150
- Company was purchased by Tandy in 1989

1982: Atari
- "PLAY BALL OR SPACE INVADERS OR MINESWEEPERS OR SUPER MADNESS OR SIDEWINDERS OR SHOOT'EM UP OR THE JAIL"
1983 : Commercial Cell Service
- First cell phone actually invented in 1947 (!), Bell Labs
- FCC did not allow commercial service until early 1980s
- Early phones called "car phones", had no batteries, and ran off the car cigarette lighter

1991 : Digital Cameras
- Kodak used a 1.3 megapixel CCD on a Nikon camera body, creating the first truly digital camera
- The DCS 100 cost $20,000!
- Ironic, considering Kodak has almost been driven out of the digital marketplace..

1991 : Lithium Ion Batteries
- Lasts longer
- Lighter
- More expensive
- More fragile
- Found in cell phones, 900mhz phones, laptops

1993 : Personal Data Assistant [PDA]
- Apple Newton
  "Learned" your handwriting, but took 40 hours of usage before it learned enough
- 3Com released the Palm Pilot in 1996
  Palm forced the user to learn Graffiti, a way of entering characters, instead of trying to learn your handwriting

1995 : Global Positioning System [GPS]
- Developed by DoD in 1978, released to the public in 1995 in a crippled form (100 feet vs. 50 feet)
- 24 satellites, transmit radio signals, pinpoint latitude and longitude
- Huge potential for portable devices
1995 : Microsoft Bob

1996 : Tamagotchi
"Tamagotchi is a tiny pet from cyberspace who needs your love to survive and grow. If you take good care of your Tamagotchi pet, it will slowly grow bigger, healthier, and more beautiful every day."

Spring '97, FAO Schwartz was selling 80,000 Tamagotchis a week.

1997 : 802.11b
- Spec ratified by IEEE
- Linksys, Netgear, 3com
- 11mbps, 2.4ghz

1998 : Furby
- Were selling for over $100
- Could "talk" to other Furby's
- Had the ability to learn what you were saying! ... or did it?

1998 : iMac
Since they were offered on 8/15/98, Apple has sold roughly 8091 iMacs a day.
The 5,000,000th iMac was sold on 1/7/02.

1999 : iBook
- Too big?
- People don't like looking like idiots?
1999: Phone-Card-Phone
- 2" x 3"
- Entire phone body, touch pad and circuit board made of paper substrate

(Designland Technologies)

2000: Motorola TalkAbout
- Over 1,000,000 sold
- Two way wireless email communication
- Comes in your choice of color, including iMac Blue

2000: Mac Cube
- Overpriced
- Not so powerful
- Is a cube any better than a rectangle?

2001: Screenfridge
- A refrigerator with a touch sensitive computer screen that acts as the “home’s nerve center”
- Suggests weekly menus
- Orders the necessary groceries on the Internet
- Reads radio tags that are replacing bar codes on goods, inside fridge

“You’ll be able to phone your fridge when you’re in the supermarket and ask it how much milk you need to buy,” said Mikael Klein, project manager for the Electrolux screenfridge. “Radio tags will also bring an end to checked queues. When you walk out of the store, a sensor will detect the contents of your trolley and present you with a bill.”

2001: Micro-Optical Head Mount
- First “affordable” head mount
- 640x480 VGA graphics

2002: Segway
2002: BodyMedia SenseWear Armband
- Wearable body monitor
- Measures:
  - movement
  - heat flow
  - skin temperature
  - ambient temperature
  - galvanic skin response

2002: Smart Display
- Introduced by Microsoft
- Touch screen
- Integrated wireless card
- Light, Fast, Portable

2002: Toshiba (and Philips, later) Flexible LCD
- Full color
- High resolution
- .4mm thick
- Flexes in all directions
- Bends to form a curve with a radius as high as 20cm

2003: iPod

2003: Wearables From frog & Motorola

2004: Connected Household Appliances
2004 : Phone/PDA/Camera/Computers/ …

2004 : Apple Apple Apple

2004 : Computers Everywhere

2005 : Gaming

2006+ : What's Next?

.. What do you think is next?