

Martin Cooper, The Father of the Cellular Device

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Martin Cooper. He is a man who has done something that has changed our world to this day. He was the man that started the very first cell phone in 1972 and finished a prototype in 1973. Back then people used telegrams ,telephones, or letters to communicate from a distance such as a couple of miles away or a couple states/ countries away. My thesis is, because of Martin Cooper's hard determination and passion we now have a better, easier, and amazing use of technology to communicate!

If you would like to learn more about this man, well let me tell you more about him! He was born in Chicago, Illinois on December 26, 1928. Martin Cooper had many jobs such as being a policeman and of course the inventor of the cellular phone. He was a bright minded human being when he was growing. He went to *Lawson Elementary school* located in Chicago. In 1950 Martin (Marty) Cooper got his Bachelor in technology at the Illinois Institute of Technology (IIT). Martin obtained a job at the Teletype corporation when he was young. The Teletype corporation located in Skokie, Illinois was a company that built teleprinters. Teleprinters are a way to send messages back and forth.

“a device for transmitting telegraph messages as they are keyed, and for printing

messages received.” *The Oxford Dictionary*.

After college he signed up to the Korean War and was a submarine officer. In 1954 he was invited to go work at Motorola Inc. as a high ranked worker. Martin said goodbye to Teletype Corp. and went to work for someone who needed his skills. Motorola is located in Schaumburg, Illinois and is an electronic company which made the two way radio and many great things. In 1947 Motorola was known to make a telephone that was connected to your car. It was so big and needed so much power that you needed to use the engine to charge it faster. In 1957 Marty graduated and obtained his masters in technology and earned a reward from the school where his technological mind had begun. He returned back to Motorola fully minded with new and many great technological skills. As he was working there he had an idea. He thought that people didn't need the telegrams or the telephones and wanted to create something that someone could hold in their own hand.

In 1972 he led his team of workers to a project that *Mr. Alexander Graham Bell* did in 1876 and *Mr. Thomas Edison* did in the 1940's

Facts about 2 amazing inventors that might be connected to Martin's work!

Alexander and Thomas were the people who created things that we use today just a little more modern. Alexander Graham Bell was the inventor of the Telephone. No it's not a Cellular phone such as Martin Cooper's Invention yet its something that was still able to communicate. It was not the clearest sounding thing nor did it transmit very far yet it was a way to talk to family or friends near you. Alexander was a very bright minded person and worked on his projects non stop! Thomas Eddison was named the best American Inventor. Thomas Eddison was the creator of the phonograph or what we call it now the Gramophone.

Well let's get back to the one and only Martin (Marty) Cooper! In 1972 Martin's team started working on his dream, to make a handheld cellular phone. Martin Cooper and his team worked hard with Determination and Precision; they finally created a prototype in 1973. This phone costs a lot more than you would think. This phone cost a whopping 3,995 dollars! This phone was 1.75 lb and was 13 in. high. It was able to remember 30 different numbers in its database and it took exactly 10 hours to charge. When Martin and his team finished the prototype he presented his marvelous invention to Manhattan and called a friend to show them that it really worked. Martin in one part of Manhattan and his friend in the

other using a wall telephone. They talked to each other for a little while and as soon as he hung up he felt so proud about himself. Manhattan amazed eventually Martin's phone was everywhere, in every billboard, every TV and every sign. He felt like everything he had done in his life had paid off.

After his big reveal he did not retire, he started to create more and better Cellular Phones! Companies soon had the same determination as Mr. Martin Cooper and started creating their own cellular devices. When Martin Cooper's team was working on the very first cellular phone he and Joel Engel, a manager that worked at AT&T started a race. Whoever made the very first cellular phone gets fame and fortune. When Martin showed Manhattan his prototype he called Joel and said that the race was over. Even though Joel had lost the race he still made cell phones and became a successful business with many electronics and things we use to this day! As Martin started selling his new electronics around the world he earned a lot of money.

“ We had no idea that in a little as 35 years more than half the people on earth would have cellular phones, and they give away the phones for nothing”

-- *Martin Cooper*

Martin Cooper also helped Motorola to make the **Handie-Talkie HT 220 Slimline** as well as the **PageWriter 2000** and many more things using Martin's

smart brain. As I had said not too long ago lots of companies such as **Samusung** and **Casio** started to follow Marty's footsteps. Samasung and Casio started to make prototypes for their own electronics such as the **Samsung Uproar** that was sold for \$400 in 2001 and Casio created an electronic watch. AT&T and all the major electronic companies learned how Martin made his marvelous device and they got rich. Martin did not care what people were doing; he was just proud of himself and all of the people from different countries or the USA that work in different companies that followed in his magnificent footsteps. From 1973 to 1983 he earned an estimated amount of 100 million U.S. dollars. In the 1900's he broke history, now in the 2000's he worked hard with determination and hard work. He and many different companies created the phones that we have today. Martin Cooper won many rewards such as the Charles Stark Draper Prize as well as the Marconi Award. He got these rewards for his bright mind and his knowledge of technology and engineering. The Marconi prize is something that gives you an award for your part in the field of communications. These two awards and many more were something that Martin was able to be reminded of his hard work and determination, something that I truly admire and someone who I would like to be when I grow older. Something that's 13in.. Now in the present it's extraordinary how someone did something that some of our smartest scientists such as *Benjamin Franklin* as well as *Nichola Tesla* couldn't crack this code. How to communicate

with others while you are in a different location than your telephone? Martin Cooper is definitely a very bright minded and a creative human being without a doubt. He is someone who has changed people's entire lives communication wise , made their lives much easier and better, as well as being able to have something that we can use to contact family or friends who live from a distance in this dark time. Can you imagine the struggles and all the hard work this man put into his job. He was open minded and kind and presented something into our world that we pretty much use each and every day in our lives.

“The best way to get people to think outside the box is not to create the box in the first place” --*Martin Cooper*

It's a great honor to be able to communicate with your friends from a cellular phone that was based on something all the way back in the 1900's that changed the world as we know it. Believe me when I say this, who has a cell phone and who still has a telephone that Mr. Alexander Graham Bell made in 1876. Which one is better you ask yourself? Yes the telephone is one of the greatest things throughout history but truly is it completely better? The cellular phone is something that you can take with you to places such as the store even around the world yet does it have the same thing as the remarkable first telephone. Well that's something I ask

myself sometimes. For me I would say the cell phone due to its standards and what its done for us yet I know maybe some people would argue about this. It's the choice that we give. This thing that's filled with gizmos and electronic things that we probably never even heard of. The thing we use each day , that object that entertains us is something for so long that the world tries to perfect and I respect all those who work hard each day and have been able to give us this marvelous privilege in our life. Some people didn't even know who Martin Cooper was, I didn't know who he was till now. As I'm looking through his hard work I see how much he went through doing this big project of his. He is going to go down history and see what the world has become due to his work. Hard work pays off, if you don't think so look at his life and see how much of his work has paid off to society. Hear me out, even though such a man had done something extraordinary I want to tell you this. Work hard and enjoy life so your work has paid off and this makes your life easier and work hard for your community and everyone who's around you. My topic, Martin Cooper is the father of the cellular phone. He fought tooth and nail for this wonderful machine to be in our world today and his dream did come true. He was the man who created the mobile phone. Thank you

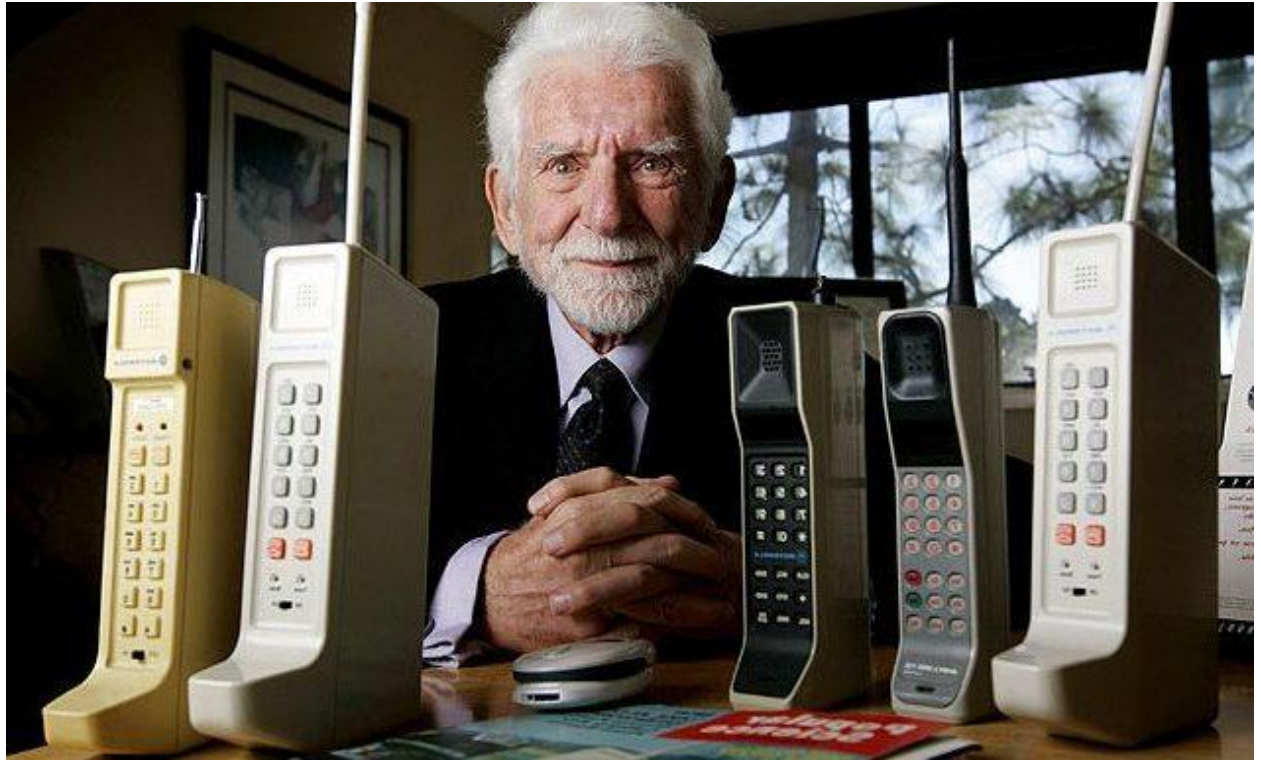
I



II



III



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A man who has changed the entire world

Process Paper

So let's go all the way to the beginning. This was no easy project for sure it took lots of work. So I didn't even get the idea of writing about this magnificent guy until I noticed how many people enjoy cell phones. My original project was going to be about Mr. Alexander Graham Bell and his telephone yet like I said when I noticed that more people use cell phones than telephones I switched my topic to this. I thought that the theme "Communication in History: The key to understanding" was a time where Mr. Martin Cooper the father of the cellular phone came out. As I said at the end of my paper, I had no idea who Martin Cooper even was and what he did and why he was so famous. I looked up who the creator of the cell phone and Martin Cooper's name popped right up. I read a little about him and then started to make a little list for this project. I did not know if I was going to do my project on this man so I didn't look a lot about him yet I still had enough to see what he did and how he changed the world and I found out that really he was amazing and how he invented the very first cell phone and made many lives easier and have a better way to communicate to the world. I created this project by using the sources that I found in the internet and put them on a piece of paper and added my own little fun thing to it. Martin Cooper really amazed me and I wanted to write a paper but of course I needed to do some research a little bit more about him and put the sources in my Annotated Bibliography. I would constantly look at my sights and make sure that I have everything I need. My historical argument would probably be that the telephone was not upgraded or was it like the phones we have now so personally I would think that Mr. Martin Cooper was someone who we needed in this world. I enjoyed that I got to research about how the cellphone was made and how it affected our lives

especially during this quarantine. I personally really enjoyed this project and I'm very thankful I had the opportunity and I got to study Mr. Martin Cooper.