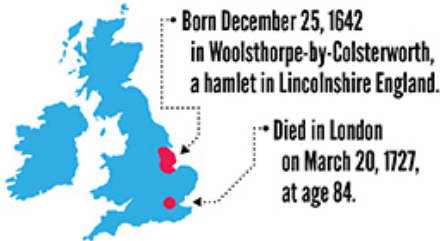


“**NEWTON** WAS NOT THE FIRST OF THE **AGE OF REASON**, HE WAS THE LAST OF THE **MAGICIANS**.”
-John Maynard Keynes

QUICK FACTS



“**IF I HAVE SEEN FURTHER, IT IS BY STANDING ON THE SHOULDERS OF GIANTS.**”



SIR ISAAC NEWTON

- Sir Isaac Newton wrote many works that would now be classified as occult studies. These occult works explored chronology, alchemy, and Biblical interpretation (especially of the Apocalypse).
- One of Newton's main goals was to discover the *Philosopher's Stone*, which could turn any metal into gold.
- In a manuscript he wrote in 1704 in which he describes his attempts to extract scientific information from the Bible, Newton estimated that the world would end no earlier than 2060.
- Newton believed that he was one of a select few that could interpret the secret codes and messages in the Bible.



- Newton was born premature and was not expected to survive. He was **named after his father**, an unremarkable man who died three months before Isaac was born.
- At the age of 12, Newton attended **The King's School** in Grantham, Lincolnshire.
- He was appointed as the Fellow of the **Royal Society of London** on January 11, 1672.
- Isaac Newton published his masterpiece, *Philosophiae Naturalis Principia Mathematica* in 1687. It set out his theory of gravity and his laws of motion.
- He was knighted on April 16, 1705 by **Queen Anne** in Cambridge, which earned him the title 'Sir'.



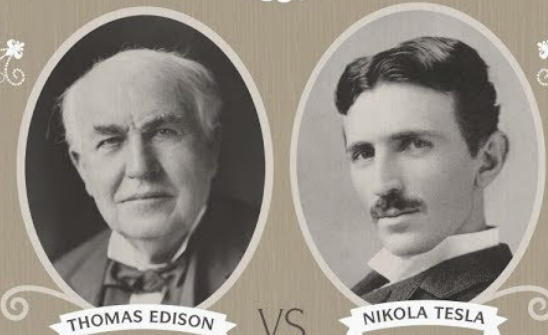
The flow of electricity is in one direction only. The system operates at the same voltage level throughout and is not as efficient for high-voltage, long distance transmission.

Direct current runs through:

- Battery-Powered Devices
- Fuel and Solar Cells
- Light Emitting Diodes

"(TESLA'S) IDEAS ARE SPLENDID, BUT THEY ARE UTTERLY IMPRACTICAL."
- THOMAS EDISON

THE CURRENT WAR
THE TALE OF AN EARLY TECH RIVALRY



THOMAS EDISON

NIKOLA TESLA

You would have never found two geniuses so spiteful of each other beyond turn-of-the-century inventors Nikola Tesla and Thomas Edison. They worked together—and hated each other. Let's compare their life, achievements, and embittered battles.



Electric charge periodically reverses direction and is transmitted to customers by a transformer that could handle much higher voltages.

Alternating current runs through:

- Car Motors
- Radio Signals
- Appliances

"IF EDISON HAD A NEEDLE TO FIND IN A HAYSTACK, HE WOULD PROCEED AT ONCE... UNTIL HE FOUND THE OBJECT OF HIS SEARCH. I WAS A SORRY WITNESS OF SUCH DOINGS, KNOWING THAT A LITTLE THEORY AND CALCULATION WOULD HAVE SAVED HIM 90 PERCENT OF HIS LABOR."
- NIKOLA TESLA

FALLING OUT

Edison promised Tesla a generous reward if he could smooth out his direct current system. The young engineer took on the assignment and ended up saving Edison more than \$100,000 (millions of dollars by today's standards). When Tesla asked for his rightful compensation, Edison declined to pay him. Tesla resigned shortly after, and the elder inventor spent the rest of his life campaigning to discredit his counterpart.



EDISON FRIES AN ELEPHANT
In order to prove the dangers of Tesla's alternating current, Thomas Edison staged a highly publicized electrocution of the three-ton elephant known as "Topsy". She died instantly after being shocked with a 6,600-volt AC charge.

"Genius is one percent inspiration and ninety nine percent perspiration."
- Thomas Edison

LATE BLOOMER

Thomas Edison, the youngest in his family, didn't learn to talk until he was almost 4 year old.

1847 BORN 1858

Milan, Ohio BIRTHPLACE

Miljan, Croatia (now Yugoslavia)

Wizard of Menlo Park NICKNAME

Wizard of the West

Home-schooled and self-taught EDUCATION

Studied math, physics, and mechanics at The Polytechnic Institute at Graz

Mass communication and business FORTE

Electromagnetism and electromechanical engineering

Trial and error METHOD

Getting inspired and seeing the invention in his mind in detail before fully constructing it

WAR OF CURRENTS: ELECTRICAL TRANSMISSION IDEA

DC (Direct Current) AC (Alternating Current)

NOTABLE INVENTIONS

1,093 NUMBER OF US PATENTS 112

0 NUMBER OF NOBEL PRIZES WON 0

1 NUMBER OF ELEPHANTS ELECTROCUTED 0

1931—Passed away peacefully in his New Jersey home, surrounded by friends and family DEATH

1943—Died lonely and in debt in Room 5327 at the New Yorker Hotel

WAR OF CURRENTS OFFICIALLY SETTLED

In 2007, Con Edison ended 125 years of direct current electricity service that began when Thomas Edison opened his power station in 1882. It changed to only provide alternating current.

NOBEL PRIZE CONTROVERSY

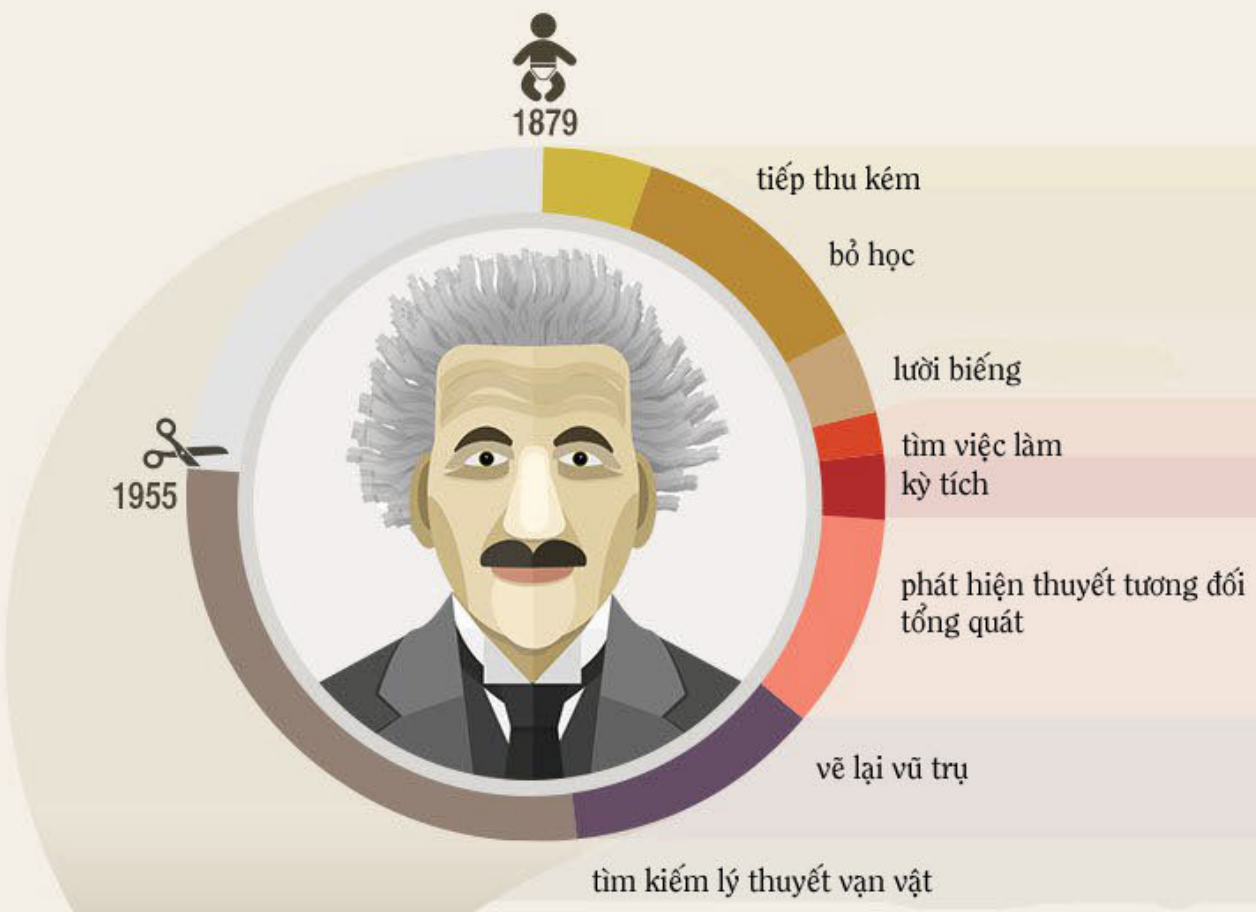
In 1915, both Edison and Tesla were to receive Nobel Prizes for their strides in physics, but ultimately, neither won. It is rumored to have been caused by their animosity towards each other and refusal to share the coveted award.

SOURCES: CHENEY, MARGARET. "TESLA: MAN OUT OF TIME" | UPI, ROBERT. "TESLA: MASTER OF LIGHTNING." | THOMASEDISON.COM | PBS.ORG | WEB.MIT.EDU | WIRED.COM

A COLLABORATION BETWEEN GOOD AND COLUMN FIVE

CUỘC ĐỜI CỦA NGƯỜI PHÁT TRIỂN THUYẾT TƯƠNG ĐỐI

by Anna Vital



1879

tiếp thu kém

bỏ học

lười biếng

tìm việc làm kỳ tích

phát hiện thuyết tương đối tổng quát

về lại vũ trụ

tìm kiếm lý thuyết vạn vật



sinh ra ở Ulm, Đức



1879



lần đầu tiên nhìn thấy em gái, ông nói: “Vâng, nhưng bánh xe ở đâu?”



chậm nói, bắt đầu nói những từ đầu tiên năm 2 tuổi