

# SCIENTIST

**Copernicus, Nicolaus** - Astronomer, who challenged the belief of his age that Earth was the center of the universe and proved that it is, instead, a planet orbiting the Sun.

**Faraday, Michael** – English physicist, who rose from a boyhood in the slums of London to make significant discoveries in the study of electricity, magnetism, and light.

**Faber, Doris** – Physicist

**Goddard, Robert** - Scientist who developed the first liquid propelled rocket (1882-1945) Hawking,

**Stephen** - Physicist who has overcome the challenges of a life-threatening disease to become one of the foremost scientists of the twentieth century.

**Horner, Jack** – Paleontologists

**Godfrey Hounsfield**, Engineer who co-developed computerized axial tomography (CAT), and shared the 1979 Nobel Prize in physiology and medicine.

**Hubble, Edwin** - study of galaxies led to a new understanding of the universe.

**LaVoisier, Antoine** –Eighteenth century French scientist who is known as the father of modern chemistry for his work on combustion, oxygen and respiration. 1743-1794

**Mendel, Gregor** - Austrian monk who discovered the laws of genetics (1822-1884)

**Mendeleyev, Dmitri** - Chemist and founder of Periodic Table (1834-1907)

**Nobel, Alfred** – Pioneer of high explosives and namesake of Noble Prize

**Peale, Charles Willson** - Artist, museum curator, and self-taught paleontologist, Charles Willson Peale, to excavate, study, and display the bones of a prehistoric creature that is later named "mastodon." (1741-1827)

**Salk, Jonas** – Discovered the polio vaccine

**Wu, Chien-Shiung** – Pioneering Physicist and Atomic Researcher

# WOMEN IN SCIENCE & TECHNOLOGY

(Astronauts, Environmentalist, Inventors, and Medicine too!)

**Barton, Clara** – Founder of the American Red Cross

**Blackwell, Elizabeth** – first female physician

**Eastwood, Alice** – Botanist (1859-1953)

**Morgan, Ann** -Aquatic Scientist and teacher (1882-1966)

**Low, Juliette Gordon** – Girl Scout Creation

**O'Connell, Caitlin**- Elephant Scientist

**Bridgman, Laura** – Deaf and Blind Pioneer

**Clark, Eugenie** - Expert on sharks

**Dix, Dorothy** - nineteenth-century reformer who devoted much of her life to improving the treatment of the mentally ill in the United States

**Earle, Sylvia** - Groundbreaking marine biologist, oceanographer, and diver, from New Jersey and Florida of the 1980s and 1990s.

**Eliot, Gertrude** – used chemistry to help develop medicines and won the Nobel Prize winner in physiology and medicine

**Fossey, Dian** - Scientist who worked with gorillas in Africa

**Franklin, Rosalind** - British molecular biologist who played a vital role in the discovery of the structure of DNA.

**Hammel, Heidi**- Planetary astronomer

**Hamilton, Alice** - Doctor whose foresight of and crusade against "industrial diseases" revolutionized factory conditions and saved thousands of workingmen from paralysis and painful death.

**Humphris, Susan** - Marine geologist

**Jemison, Mae**- First African American Women Astronaut

**Kingsley, Mary** - Self-educated nineteenth-century Englishwoman who, after a secluded childhood and youth, traveled alone through unexplored West Africa in 1893 and 1894 and learned much about the area and its inhabitants.

**Novello, Antonia**- Physician

**Richards, Ellen Swallow** - 1<sup>st</sup> woman to study at the Massachusetts Institute of Technology, founder of the American home economics movement, and first professional woman chemist.

**Simpson, Joanne**-Meteorologist

**Sindi, Hayat**- Biochemist

**Wu, Chien-Shiung**-Physicist