

Selection of Women's Contributions to Science, Compiled by K. Cashatt and L. Smith

ancient Greece	Aglaonike		mastered predicting eclipses
ancient Greece	Diotoma	Philosopher	honored as a teacher to Socrates
1st century	Hebrea, Mary	Alchemist	discovered the formula for hydrochloric acid
12th century	Hildegard von Bingen	Mystic & Scholar	developed the Gregorian chants, developed ideas of universal gravitation
18th century	Green, Catherine	Inventor	contributed the key "ingredient" to the cotton gin patented by Eli Whitney in 1793
1702	Kirch, Maria	Astronomer	discovered a comet
1759	Lepaute, Nichole-Reine	Astronomer	worked on calculating the return of Haley's comet
c. 1800	Germain, Sophia	Mathematician	developed the modern theory of elasticity
19th century	Manning, Mrs. A.H.	Inventor	invented the mower and the reaper
19th century	Mitchell, Maria	Astronomer	first female professor of astronomy in US, 1847 - discovered a comet, 1848 - first woman appointed to the Academy of Arts and Sciences, 1875 - elected president of the American Association for the Advancement of Women
19th century	Richards, Ellen	Engineer	first woman at MIT, founded home economics
1809	Kies, Mary	Inventor	received the first patent to a woman for technique of weaving straw with silk
1811 & 1828	Anning, Mary		discovered the 1st complete skeletons of 2 different, specific, dinosaurs
1825	Brush, Mary	Inventor	received the US patent for the corset
1841	Adams, Elizabeth	Inventor	patented the corset
1845	Mather, Sarah	Inventor	received the patent for submarine telescopes and lamps
1849	Blackwell, Elizabeth	Physician	was the first woman in the US to receive a medical degree - Geneva College
1859	Lefebre	Inventor	received the patent for a process to produce nitrates
1866	Taylor, Lucy	Dentist	first american woman to receive a degree in dentistry
b. 1867	Madame CJ Walker	Inventor	Walker System, First African American female millionaire
1874	Britton, Mary	Physician	first african american to practice medicine - Lexington, Kentucky
1876	Bragg, Elizabeth	Engineer	was the first woman in the US to receive an engineering degree - Civil Engineering from UC - Berkeley
1881 - 1930	Britton, Elizabeth	Botanist	published 346 scientific papers, mostly on mosses

1888	Eglui, Ellen	Inventor	sold the patent to the clothes wringer for a washing machine for \$18 because she knew white women wouldn't buy it if they knew it was invented by a black woman
1893	Lamme, Bertha	Engineer	2nd woman to receive an engineering degree - Ohio State University 1st African American person to earn PhD in Geology
b. 1895	Marguerite T. Williams	Geologist	
c. 1900	Nightingale, Florence	Nurse & Statistician	first person to apply statistics to public health and invented the pie chart
c. 1900	Potter, Beatrix	Mycologist	widely respected and published expert on fungi, kept a diary written in a code she developed that experts had a hard time deciphering and took 7 years to translate once they did
20th century	Sherman, Patsy	Inventor	1 of the patent holders for Scotchguard and part of the 3M management team
20th century	Telkes, Maria	Physicist	pioneer in solar energy, designed and built the first solar houses
1903 & 1911	Curie, Marie	Chemist	Nobel Prize for discovering radium and polonium, then for isolating pure radium
b. 1903	Ruth Ella Moore	Bacteriologist	Research in blood grouping
1904	Rooks, Georgia	Physician	founded the first OB hospital for African American women
1905 & 1918	Calkins, Mary	Psychologist	first female president of the American Psychological Association and the American Philosophical Association
1918	Gleason, Kate	Engineer	first female elected to the American Society of Mechanical Engineers
b. 1918	Katherine G. Johnson	Physicist, Mathematician	NASA-satellite systems, Group Achievement award
b. 1921	Marie Maynard Daly	Biochemist	1st African American woman to receive PhD in Chem. Research in Nucleic acids
1922	Coleman, Bessie	Aviator	first African American woman to receive a pilot's license
b. 1924	Jewell Plummer Cobb	Biologist, Physiologist	Education, Administration, mentor-university
b. 1929	Ida Stephens Owens	Biochemist	Research in Detox Enzymes
b. 1933	Annie Easley	Computer Scientist	NASA-computer science. Wrote code for energy projects
b. 1933	Sister Mary Sylvester	Mathematician	Education-elementary school to college
1934	Tacke, Ida Eva	Physicist	first person to present the idea of fission, discovered element 75 - Rhenium
b. 1940	Marigold Linton	Cognitive Psychologist	Education-programs to improve NA populations
1949	Granville, Evelyn	Mathematician	one of 2 first African Americans with a PhD in mathematics

b.1949	Mary S. Harris	Biologist, Geneticist	Director Sickle Cell Foundation, President of her own genetics company
b.~1950	Cleopatria Martinez	Mathematician	Education
b.~1950	Elma Gonzalez	Cell Biologist	Education
b.~1950	Lee Anne Martinez	Ecologist	Education
b.~1950	Maria E. Zavala	Plant Biologist	Education-university
b.1956	Mae C. Jemison	Astronaut, Physician	1st African American woman in space
b.~1960	Elvia Niebla	Soil Scientist	National scientist for EPA, national groups
b.~1960	Leticia Marquez-Magan	Molecular Biologist	Education-university
b.~1960	Theresa Maldonado	Electrical Engineer	Education-university
1963	Mayer, Maria	Physicist	first american woman to receive the Nobel Prize in physics (for the structure of the nucleus of atoms)
1964	Hodgkin, Dorothy	Chemist	Nobel Prize in chemistry for developing an X-ray technique used in discovering the molecular structures of biological molecules
1977	Yalow, Rosalyn		1/2 the nobel prize in medicine for radioimmunoassays of peptide hormones
1983	McClintock, Barbara	Geneticist	Nobel Prize in medicine for work with genes and "jumping genes"