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I do grow up playing with Nerf guns and Super Soakers have Johnson than what Inspid Lonnie Johnson?His own father, a military truck driver, taught Johnson about electrical currents and how to fix household appliances at a young age. This sparked his curiosity in building and creating things, and his talent for mechanics and experimentation quickly landed him the nickname "The Professor" among friends. Where Did Donnie Johnson Go To College?Johnson spent most of his teen years tinkering with mechanics and small engines, even building a robot called Linex for a fair at the University of Alabama in 1968. Despite Linex coming in first place, the University of Alabama overlooked Johnson's talents and he left without a degree. After dropping out of college, Johnson found work as a welder, where he helped develop a health bomber program. Later he worked for NASA's Jet Propulsion Laboratory, helping the Galileo mission get to Jupiter and the Cassini mission reach Saturn.What Did Donnie Johnson Invent?In 1989 he designed the "Super Soaker," which became known as the Power Drencher in. Within two years, the toy generated \$200 million in sales. To this day, Johnson has several patents under his belt and is always working on new inventions.He's currently a member of the nonprofit 100 Black Men of Atlanta and a member of the Georgia Alliance for Children, undeniably holding a special place in one of the most influential African American scientists.Read More: Meet 9 of the Many Scientists Who Helped Create the James Webb Space Telescope Gladys West (1930 - )Credit: U.S. Air Force, Public domain, via Wikimedia CommonsWho Is Gladys West?Gladys West is a prominent mathematician known best for her development of the Global Positioning System (GPS). West knew from a young age that she wanted to continue her education. But at the time, the only opportunities for young Black women in her community were to work as sharecroppers or in tobacco plant. Where Did Gladys West Go To School?Knowing she wanted more, she studied hard and, after graduating as valedictorian, was granted a full scholarship to Virginia State College. By 1955 West had earned both her bachelor's and master's degrees in mathematics.Where Did Gladys West Work?West searched for a teaching position but was continually turned down by racist and sexist institutions. However, in 1956, the U.S. Naval Proving Ground (a weapons lab) hired West as a mathematician. She became one of four Black employees, including her future husband and fellow mathematician, Ira V. West.What Did Gladys West Invent?During her search at the lab, West solved math problems by hand before programming a computer to do it for her. She worked on projects that related to Pluto and Neptune, acted as project manager for a U.S. Navy ocean survey satellite, and helped solve some of the world's first intercontinental ballistic missile problems. Her contributions to science are often overlooked because of her race and gender. Among her many achievements with the Navy, West also named a minor planet and doctorate degrees in public administration and engineering.NASA gave Gladys West the highest honor given to female researchers: the Goldwater Award for Scientific Achievement in 1979. What Happened When Gladys West Retired From NASA?After leaving NASA, Gladys continued to contribute to society through various roles. In 1990, she co-edited the book "Black Women in Science." She passed away in 2011 due to complications from Alzheimer's disease.Began With A Dream Read More: Dr. Gladys West: Navigating Her Way to the Invention of GPS7 Percy Julian (1899-1975)(Credit:(Olga Popova/Shutterstock))What Was Percy Julian?Chemist Percy Julian is best known for his work on cortisone, steroids and birth control. An Alabamian native, Julian couldn't find a high school in the state that would accept him, due to discrimination. So at 17, he applied to DePaul University in Indiana and took high school courses alongside college credits, graduating at the top of his class.Where Did Percy Julian Go To School?From DePaul, Julian traveled to several universities — he received his master's degree at Harvard and his doctorate at the University of Vienna in Austria. Julian then returned to DePaul, where his research led to a drug treatment for glaucoma. Despite his success, however, the university never granted him the opportunity to become a professor because of the color of his skin.What Did Percy Julian Invent?After leaving the academic world, Julian worked as a laboratory director for the Glidden Company. While there, he was credited with creating Aer-O-Foam, a soy-based foam to extinguish oil and gas fires. Used by the Navy during World War II, it also opened the door to other soy-based inventions: From soybeans, Julian helped treat rheumatoid arthritis by synthesizing cortisone.What Was Percy Julian Famous For?In 1954, Julian established Julian Laboratories in Illinois. After selling the company just seven years later, he became one of the first Black millionaires.From there, he created a non-profit, the Julian Research Institute, where he worked until his death from cancer in 1975. Julian was a trailblazer and one of the most distinguished Black scientists in history. Yet, his accomplishments aren't widely known. Read More: The First Black Scientist to Receive a Nobel PrizeJulius Robert Oppenheimer (1918–1994)Credit:Wikimedia CommonsWho Was Daniel Hale Williams?Daniel Hale Williams, a pioneer surgeon, is best-known for performing one of the first successful open-heart surgeries and for being the first Black physician to receive a medical degree from a US medical school. He founded the Provident Hospital, the first hospital built specifically for African Americans. Williams' life story is told in the play "American Dream."Read More: How did Julius Robert Oppenheimer die?Oppenheimer was born in New York City and grew up in rural Connecticut. He attended Princeton University, where he excelled academically and athletically. During his undergraduate studies, he developed a deep interest in physics, particularly quantum mechanics. His mentor, physicist Arthur Compton, encouraged him to pursue graduate study at Columbia University. There, he met Albert Einstein, who inspired him further towards theoretical physics. Upon completing his PhD, Oppenheimer moved back to the United States and joined the faculty at Princeton University. He remained there until 1943, when he accepted a position at the University of California, Berkeley. It was here that he began collaborating closely with J. Robert Serber, another brilliant physicist. Their partnership culminated in their joint leadership of the Manhattan Project, the effort to develop atomic bombs during World War II. As the war progressed, Oppenheimer's role became increasingly central. He oversaw the design and construction of the nuclear reactors used to produce plutonium, a key component for the bomb. Following the successful bombing of Nagasaki in August 1945, Oppenheimer reflected on the power of the atom and expressed profound regret over its use against humanity. Post-war, he advocated for international control of nuclear energy to prevent such devastation. However, growing concerns about communist influence led to increased scrutiny of Oppenheimer's activities. In 1954, he faced allegations of espionage while working for Los Alamos National Laboratory. Although cleared, the incident damaged his reputation significantly. Over the following decades, Oppenheimer dedicated himself to promoting peaceful uses of nuclear technology and advocating for disarmament efforts.

The consequences of our actions, because we can't see the big picture." Societies have continued to show concern more than they ought or pushing the boundaries of knowledge in ways deemed unseemly or sacrilegious. Galileo Galilei spent the last decade of his life under house arrest for his support for the idea that the Earth rotates around the sun and not vice versa. The German alchemist Johann Georg Faust attracted controversy and ultimately inspired stories and plays about him making a deal with the devil for knowledge. And while Isaac Newton wasn't necessarily described as "mad," there are plenty of accounts of his idiosyncrasies, including getting so distracted by his work that he'd forget to eat.However, the first true "mad scientist" character in fiction didn't emerge until a dark, chilly summer in 1816, when 19-year-old Mary Shelley created the character Doctor Victor Frankenstein.Read More: The Mad Genius Stereotype: Fact or Merely Fiction?Early Depictions of Crazy Scientists in Literature(Credit: Claudia Longo/Shutterstock)"Frankenstein coincides with the birth of the Industrial Revolution, which is, of course, based in science," says Gail Griffin, professor emerita of English literature at Kalamazoo College in Michigan. Shelley's novel ( subtitled The Modern Prometheus) is rife with cultural anxieties of a society being transformed by new discoveries and a newfound distinction of science from other academic disciplines.Science, as we know it, was just coming into existence two hundred years ago; the word scientist wasn't even coined until 1833, more than a decade after Frankenstein was published. Before then, says Griffin, "it was called natural philosophy, and it was all imbued with theology and philosophical notions. That kind of kept it integrated with the rest of knowledge." Broken off into its own discipline, without moral guidance, says Griffin, science "gets scary." Neglecting the humanities, Shelley seems to argue in her book, makes you lose your humanity.That backs with the tale of Victor Frankenstein. "He's not a mad genius like the others," says Griffin. "It's almost inevitable that people will go crazy if they're pushed too far. One of the reasons why people don't want to live with mental illness is because they think it means they're weak or defective. But that's not true. Mental illness is just a part of being human."She adds, "I think the real danger is that we've lost touch with the fact that we're all connected. We're all part of something bigger than ourselves. If we don't take care of each other, we're going to destroy ourselves."

"You've got to stop watching a picture of the scientist doing crazy things, so we're going to make him look lunatic," reads "Read More: Who Was the First Scientist?"How Film Popularized the Mad Scientist Image(Credit: Stefano Chiachiarini /74/Shutterstock)The 1927 German silent film Metropolis was the first feature-length science-fiction movie. It includes an inventor named Rotwang who builds a robot to replicate his lost love and plans to use said robot to destroy city. "Rotwang from Metropolis is very much a mad scientist. He's power hungry, he's also vindictive," says Snobelen. And visually, Rotwang resembles Einstein: "He's got that hair." The Einsteinan look continued to influence depictions of scientists, especially strange ones. In the 1931 and 1935 Frankenstein and Bride of Frankenstein, Dr. Frankenstein "is actually relatively clean-cut," says Snobelen. But in Bride, Snobelen says, "there's this other scientist who wears a white lab coat, and he's called Dr. Septimus Pretorius, and he's played very creepily." According to Snobelen, the frizzy-haired Dr. Pretorius is a better exemplification of the mad scientist trope — Frankenstein is merely misguided, whereas Pretorius creates tiny people trapped in jars and raises a baker of gin as he boasts "to a new world of gods and monsters." Read More: Top 5 Movies About Real-Life ScientistsEvil Scientists in Real LifeMad scientists have remained a fixture of sci-fi and horror for decades. They've changed somewhat over time; they're often more genteel and corporate these days, less clearly kooky. "The clean-cut mad scientist, in a way, is almost scarier, because the person is disarming, they may be very charming and can seduce you into thinking that they're good," says Snobelen. "But the older style, the wilder style, is still present. People like that are dangerous. I think that's why we're drawn to them."While the trope has evolved, the underlying theme remains constant: the pursuit of forbidden knowledge leads to monstrous consequences. This theme resonates deeply with audiences, reflecting our fears about unchecked scientific progress and the potential loss of humanity. The trope continues to evolve, adapting to contemporary themes like artificial intelligence, genetic engineering, and environmental catastrophe. These modern iterations explore the ethical implications of technological advancement and the quest for immortality or god-like powers. Ultimately, the mad scientist archetype serves as a cautionary tale, reminding us of the responsibilities that come with the pursuit of knowledge and the dangers of hubris.

In these labs."In that way, those stories about mad scientists can serve as a moral compass to a discipline that often is seen as removed from the rest of human experience. They fulfill the sentiment from the final title card from Metropolis: "The mediator between the head and the hands must be the heart."Read More: Determining the Origin Of Our Moral CompassArticle SourcesOur writers at Discovermagazine.com use peer-reviewed studies and high-quality sources for our articles, and our editors review for scientific accuracy and editorial standards. Review the sources used below for this article: Key Takeaways on the Top 10 Famous Scientists: Albert Einstein: Famous for the theory of relativity, and challenged conventional notions and reshaped our understanding of the universe.Marie Curie: Famous for pioneering work in radioactivity and the first woman to receive a Nobel Prize.Isaac Newton: Famous for Newton's laws of motion and gravitation, and is considered one of the key figures in the scientific revolution of the 17th century.Charles Darwin: Famous for his theory of evolution through natural selection.Nikola Tesla: Famous for electricity, magnetism, and wireless power transmission concepts.Galileo Galilei: Famous for his astronomical observations and our understanding of motion.Ada Lovelace: Famous for being the world's first computer programmer. She defined the conventions of her era and transformed the world of computer science.Pythagoras: Famous for the Pythagorean theorem and transforming mathematics.Carlin Linnaeus: Famous for naming living organisms. His innovative system of binomial nomenclature not only simplified the process of scientific communication but also laid the foundation for modern taxonomy.Rosalind Franklin: Famous for X-ray crystallography and groundbreaking research on the structure of DNA.From unraveling the mysteries of the cosmos to unearthing the origins of humanity, these famous scientists have not only expanded the boundaries of human knowledge but have also profoundly altered the way we live, work, and interact with the world around us. Each figure stands as a testament to the transformative power of human curiosity and the enduring impact of those who dared to ask questions, challenge the status quo, and change the world.Join us as we embark on a journey through the lives and legacies of the greatest scientists of all time.1. Albert Einstein: Famous Scientist for the Theory of RelativityFamous scientist:Albert Einstein(Credit: Mark Marturello)Albert Einstein was not only a scientific genius but also a figure of enduring popularity and intrigue. His remarkable contributions to science, which include the famous equation E = mc<sup>2</sup> and the theory of relativity, challenged conventional notions and reshaped our understanding of the universe.Early LifeBorn in Ulm, Germany, in 1879, Einstein was a precocious child. As a teenager, he wrote a paper on magnetic fields. (Einstein never actually failed math, contrary to popular lore.) His career trajectory began as a clerk in the Swiss Patent Office in 1905, where he published his four groundbreaking papers, including his famous equation, E = mc<sup>2</sup>, which described the relationship between matter and energy.ContributionsEinstein's watershed year of 1905 marked the publication of his most important papers, addressing topics such as Brownian motion, the photoelectric effect and special relativity. His work in special relativity introduced the idea that space and time are intertwined, laying the foundation for modern astronomy. In 1916, he expanded on his theory of relativity with the development of general relativity, proposing that mass distorts the fabric of space and time.AwardsAlthough Einstein received the Nobel Prize in Physics in 1921, it wasn't for his work on general relativity but rather for his discovery of the photoelectric effect. His contributions to science earned him a prestigious place in the scientific community.Key MomentA crowd barged past dioramas, glass displays, and wide-eyed security guards in the American Museum of Natural History. Screams rang out as some runners fell and were trampled. Upon arriving at a lecture hall, the mob burst in, finding Einstein waiting calmly amidst chaos. The speaker, a man dressed in a suit and tie, stepped forward, gesturing toward Einstein with a flourish. "This is the man!" he declared, pointing directly at Einstein. The audience erupted in applause, their voices filling the room. Einstein smiled slightly, nodding in acknowledgment. The event was a landmark moment in the history of science, marking Einstein's arrival in America and solidifying his status as a global icon.

Tribune, "the first science riot in history."Such was Einstein's popularity. As a publicist might say, he was the whole package: distinctive look (untamed hair, rumpled sweater), witty personality (his quips, such as God not playing dice, would live on) and major scientific cred (his papers upheld physics).Read More: 5 Interesting Things About Albert EinsteinDeathEinstein, who died of heart failure in 1955, left behind a profound legacy in the world of science. His life's work extended beyond scientific discoveries, encompassing his role as a public intellectual, civil rights advocate, and pacifist.LegacyAlbert Einstein's theory of general relativity remains one of his most celebrated achievements. It predicted the existence of black holes and gravitational waves, with physicists recently measuring the waves from the collision of two black holes over a billion light-years away. General relativity also underpins the concept of gravitational lensing, enabling astronomers to study distant cosmic objects in unprecedented detail. "Einstein remains the last, and perhaps only, physicist ever to become a household name," says James Overduin, a theoretical physicist at Towson University in Maryland.Einstein's legacy goes beyond his scientific contributions. He is remembered for his imaginative thinking, a quality that led to his greatest insights. His influence as a public figure and his advocacy for civil rights continue to inspire generations. "I am enough of an artist to draw freely upon my imagination," he said in a Saturday Evening Post interview. "Knowledge is limited. Imagination encircles the world." — Mark BarnaRead More: 20 Brilliant Albert Einstein Quotes2. Marie Curie: Famous for Pioneering Work in RadioactivityFamous scientist:Marie Curie(Credit: Mark Marturello)Marie Curie's remarkable journey to scientific acclaim was characterized by determination and a thirst for knowledge. Living amidst poverty and political turmoil, her unwavering passion for learning and her contributions to the fields of physics and chemistry have made an everlasting impact on the world of science.Hardship and DedicationCurie was born Maria Sklodowska-Mazurek in Poland. Facing extreme financial hardship, she and her sister Bronia worked tirelessly to fund their education. Marie eventually secured funding through scholarships

