

365 Facts That Will Scare The S

Antigenic shift

antigenic shift have caused the Asian Flu pandemic of 1957, the Hong Kong Flu pandemic of 1968, and the Swine Flu scare of 1976. Until recently, such

Antigenic shift is the process by which two or more different strains of a virus, or strains of two or more different viruses, combine to form a new subtype having a mixture of the surface antigens of the two or more original strains. The term is often applied specifically to influenza, as that is the best-known example, but the process is also known to occur with other viruses, such as visna virus in sheep. Antigenic shift is a specific case of reassortment or viral shift that confers a phenotypic change.

Antigenic shift is contrasted with antigenic drift, which is the natural mutation over time of known strains of influenza (or other things, in a more general sense) which may lead to a loss of immunity, or in vaccine mismatch. Antigenic drift occurs in all types of influenza including influenza A, influenza B and influenza C. Antigenic shift, however, occurs only in influenza A because it infects more than just humans. Affected species include other mammals and birds, giving influenza A the opportunity for a major reorganization of surface antigens. Influenza B and C principally infect humans, minimizing the chance that a reassortment will change its phenotype drastically.

In the 1940s, Maurice Hilleman discovered antigenic shift, which is important for the emergence of new viral pathogens as it is a pathway that viruses may follow to enter a new niche.

Harry S. Truman

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Harry S. Truman (May 8, 1884 – December 26, 1972) was the 33rd president of the United States, serving from 1945 to 1953. As the 34th vice president in 1945, he assumed the presidency upon the death of Franklin D. Roosevelt that year. Subsequently, Truman implemented the Marshall Plan in the aftermath of World War II to rebuild the economy of Western Europe, and established both the Truman Doctrine and NATO to contain the expansion of Soviet communism. A member of the Democratic Party, he proposed numerous New Deal coalition liberal domestic reforms, but few were enacted by the conservative coalition that dominated the United States Congress.

Truman was raised in Independence, Missouri, and during World War I fought in France as a captain in the Field Artillery. Returning home, he opened a haberdashery in Kansas City, Missouri, and was elected as a judge of Jackson County in 1922. Truman was elected to the U.S. Senate for Missouri in 1934. Between 1940 and 1944, he gained national prominence as the chairman of the Truman Committee, which aimed to reduce waste and inefficiency in wartime contracts.

Truman was elected vice president in the 1944 presidential election and became president upon Roosevelt's death in April 1945. Only then was he told about the ongoing Manhattan Project and the atomic bomb. Truman authorized the first and only use of nuclear weapons in war against the Japanese cities of Hiroshima and Nagasaki. Truman's administration engaged in an internationalist foreign policy by working closely with Britain. Truman staunchly denounced isolationism. He energized the New Deal coalition during the 1948 presidential election, despite a divided Democratic Party, and won a surprise victory against the Republican Party's nominee, Thomas E. Dewey.

Truman presided over the onset of the Cold War in 1947. He oversaw the Berlin Airlift and the Marshall Plan in 1948. With America's involvement in the Korean War (1950–1953), South Korea repelled the invasion by North Korea. Domestically, the postwar economic challenges such as strikes and inflation created a mixed reaction over the effectiveness of his administration. In 1948, he proposed that Congress should pass comprehensive civil rights legislation. Congress refused, so Truman issued Executive Order 9980 and Executive Order 9981, which prohibited discrimination in agencies of the federal government and desegregated the United States Armed Forces.

Investigations revealed corruption in parts of the Truman administration, and this became a major campaign issue in the 1952 presidential election, although they did not implicate Truman himself. He was eligible for reelection in 1952 but he chose not to run due to poor polling. Subsequently, Truman went into a retirement marked by the founding of his presidential library and the publication of his memoirs. It was long believed that Truman's retirement years were financially difficult, resulting in Congress establishing a pension for former presidents. However, evidence eventually emerged that he amassed considerable wealth, some of it during his presidency. When Truman left office, his administration was heavily criticized. Despite this controversy, scholars rank Truman in the first quartile of U.S. presidents. In addition, critical reassessments of his presidency have improved his reputation among historians and the general population.

List of fake news websites

Post-truth politics – Political culture where facts are considered irrelevant Pseudohistory – Pseudoscholarship that attempts to distort historical record Selective

Fake news websites are those which intentionally, but not necessarily solely, publish hoaxes and disinformation for purposes other than news satire. Some of these sites use homograph spoofing attacks, typosquatting and other deceptive strategies similar to those used in phishing attacks to resemble genuine news outlets.

Hollywood blacklist

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The Hollywood blacklist was the mid-20th century banning of suspected Communists from working in the United States entertainment industry. The blacklist began at the onset of the Cold War and Red Scare,

and affected entertainment production in Hollywood, New York, and elsewhere. Actors, screenwriters, directors, musicians, and other professionals were barred from employment based on their present or past membership in, alleged membership in, or perceived sympathy with the Communist Party USA (CPUSA), or on the basis of their refusal to assist Congressional or FBI investigations into the Party's activities.

Even during the period of its strictest enforcement from the late 1940s to late 1950s, the blacklist was rarely made explicit nor was it easily verifiable. Instead, it was the result of numerous individual decisions implemented by studio executives and was not the result of formal legal statute. Nevertheless, the blacklist directly damaged or ended the careers and incomes of scores of persons working in film, television, and radio.

Although the blacklist had no official end date, it was generally recognized to have weakened by 1960, the year when Dalton Trumbo – a CPUSA member from 1943 to 1948, and also one of the "Hollywood Ten" – was openly hired by director Otto Preminger to write the screenplay for Exodus (1960). Several months later, actor Kirk Douglas publicly acknowledged that Trumbo wrote the screenplay for Spartacus (1960). Despite Trumbo's breakthrough in 1960, other blacklisted film artists continued to have difficulty obtaining work for years afterward.

Year 2000 problem

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The term year 2000 problem, or simply Y2K, refers to potential computer errors related to the formatting and storage of calendar data for dates in and after the year 2000. Many programs represented four-digit years with only the final two digits, making the year 2000 indistinguishable from 1900. Computer systems' inability to distinguish dates correctly had the potential to bring down worldwide infrastructures for computer-reliant industries.

In the years leading up to the turn of the millennium, the public gradually became aware of the "Y2K scare", and individual companies predicted the global damage caused by the bug would require anything between \$400 million and \$600 billion to rectify. A lack of clarity regarding the potential dangers of the bug led some to stock up on food, water, and firearms, purchase backup generators, and withdraw large sums of money in anticipation of a computer-induced apocalypse.

Contrary to published expectations, few major errors occurred in 2000. Supporters of the Y2K remediation effort argued that this was primarily due to the pre-emptive action of many computer programmers and information technology experts. Companies and organizations in some countries, but not all, had checked, fixed, and upgraded their computer systems to address the problem. Then-U.S. president Bill Clinton, who organized efforts to minimize the damage in the United States, labelled Y2K as "the first challenge of the 21st century successfully met", and retrospectives on the event typically commend the programmers who worked to avert the anticipated disaster.

Critics argued that even in countries where very little had been done to fix software, problems were minimal. The same was true in sectors such as schools and small businesses where compliance with Y2K policies was patchy at best.

LeBron James

from the original on May 20, 2021. Retrieved May 21, 2021. Turner, Broderick (May 17, 2021). "LeBron James has ankle scare as Lakers win, will face Warriors

LeBron Raymone James Sr. (lɪˈBRON; born December 30, 1984) is an American professional basketball player for the Los Angeles Lakers of the National Basketball Association (NBA). Nicknamed "King James", he is the NBA's all-time leading scorer and has won four NBA championships from 10 NBA Finals appearances, having made eight consecutive appearances between 2011 and 2018. He also won the inaugural NBA Cup in 2023 with the Lakers and has won three Olympic gold medals as a member of the U.S. national team. James is widely considered one of the greatest basketball players of all time.

In addition to ranking fourth in NBA career assists and sixth in NBA career steals, James holds several individual honors, including four NBA MVP awards, four Finals MVP awards, the Rookie of the Year award, three All-Star Game MVP awards, the inaugural NBA Cup MVP, and the Olympics MVP in the 2024 Summer Olympics. A record 21-time All-Star and 21-time All-NBA selection (including a record 13 First Team selections), he has also made six All-Defensive Teams. The oldest active player in the NBA, he is tied with Vince Carter for the most seasons played and holds the record for the most minutes played in league history.

Born and raised in Akron, Ohio, James gained national attention at St. Vincent–St. Mary High School and was heavily touted as a future NBA superstar for his all-around scoring, passing, athleticism and playmaking abilities. A prep-to-pro, James was selected by the Cleveland Cavaliers with the first overall pick of the 2003 NBA draft. He won Rookie of the Year and quickly established himself as one of the league's premier players, leading Cleveland to its first NBA Finals appearance in 2007 and winning the scoring title in 2008.

After winning back-to-back MVPs in 2009 and 2010, he left the Cavaliers and joined the Miami Heat as a free agent in 2010, a controversial move announced in the nationally televised special titled *The Decision*.

With the Heat, James won his first two NBA championships in 2012 and 2013, earning MVP and Finals MVP honors both years. After four seasons in Miami, he returned to Cleveland in 2014, leading the Cavaliers to their first-ever championship in 2016 by overcoming a 3–1 deficit against the Golden State Warriors and ending the Cleveland sports curse. He signed with the Lakers in 2018, winning another title in 2020 and becoming the first player to win Finals MVP with three different teams. In 2023, he surpassed Kareem Abdul-Jabbar to become the NBA's all-time leading scorer, and in 2024, he and his son Bronny became the first father-son teammates in league history. In 2025, James was inducted into the Naismith Memorial Basketball Hall of Fame as a member of the 2008 U.S. Olympic team (also known as the "Redeem Team"). He and Chris Paul became the first NBA players inducted into the Hall of Fame while still active.

Off the court, James has earned further wealth and fame from numerous endorsement contracts. He is the first player in NBA history to accumulate \$1 billion in earnings as an active player. James has been featured in books, documentaries (including winning three Sports Emmy Awards as an executive producer), and television commercials. He was among *Time's* 100 most influential people in the world in 2005, 2013, 2017, and 2019 — the most selections for a professional athlete. James has won 20 ESPY Awards, hosted *Saturday Night Live*, and starred in the sports film *Space Jam: A New Legacy* (2021). He has been a part-owner of Liverpool F.C. since 2011 and leads the LeBron James Family Foundation, which has opened an elementary school, housing complex, retail plaza, and medical center in Akron.

Donald Trump and fascism

falsehoods, half-truths, personal invective, xenophobia, national-security scares, religious bigotry, white racism, exploitation of economic insecurity, and

There has been significant academic and political debate over whether Donald Trump, the 45th and 47th president of the United States, can be considered a fascist, especially during his 2024 presidential campaign and second term as president.

A number of prominent scholars, former officials and critics have drawn comparisons between him and fascist leaders over authoritarian actions and rhetoric, while others have rejected the label.

Trump has supported political violence against opponents; many academics cited Trump's involvement in the January 6 United States Capitol attack as an example of fascism. Trump has been accused of racism and xenophobia in regards to his rhetoric around illegal immigrants and his policies of mass deportation and family separation. Trump has a large, dedicated following sometimes referred to as a cult of personality. Trump and his allies' rhetoric and authoritarian tendencies, especially during his second term, have been compared to previous fascist leaders. Some scholars have instead found Trump to be more of an authoritarian populist, a far-right populist, a nationalist, or a different ideology.

Artificial intelligence

default reasoning (things that humans assume are true until they are told differently and will remain true even when other facts are changing); and many

Artificial intelligence (AI) is the capability of computational systems to perform tasks typically associated with human intelligence, such as learning, reasoning, problem-solving, perception, and decision-making. It is a field of research in computer science that develops and studies methods and software that enable machines to perceive their environment and use learning and intelligence to take actions that maximize their chances of achieving defined goals.

High-profile applications of AI include advanced web search engines (e.g., Google Search); recommendation systems (used by YouTube, Amazon, and Netflix); virtual assistants (e.g., Google Assistant, Siri, and Alexa); autonomous vehicles (e.g., Waymo); generative and creative tools (e.g., language models and AI art); and superhuman play and analysis in strategy games (e.g., chess and Go). However, many AI applications are not perceived as AI: "A lot of cutting edge AI has filtered into general applications, often without being called AI because once something becomes useful enough and common enough it's not labeled AI anymore."

Various subfields of AI research are centered around particular goals and the use of particular tools. The traditional goals of AI research include learning, reasoning, knowledge representation, planning, natural language processing, perception, and support for robotics. To reach these goals, AI researchers have adapted and integrated a wide range of techniques, including search and mathematical optimization, formal logic, artificial neural networks, and methods based on statistics, operations research, and economics. AI also draws upon psychology, linguistics, philosophy, neuroscience, and other fields. Some companies, such as OpenAI, Google DeepMind and Meta, aim to create artificial general intelligence (AGI)—AI that can complete virtually any cognitive task at least as well as a human.

Artificial intelligence was founded as an academic discipline in 1956, and the field went through multiple cycles of optimism throughout its history, followed by periods of disappointment and loss of funding, known as AI winters. Funding and interest vastly increased after 2012 when graphics processing units started being used to accelerate neural networks and deep learning outperformed previous AI techniques. This growth accelerated further after 2017 with the transformer architecture. In the 2020s, an ongoing period of rapid progress in advanced generative AI became known as the AI boom. Generative AI's ability to create and modify content has led to several unintended consequences and harms, which has raised ethical concerns about AI's long-term effects and potential existential risks, prompting discussions about regulatory policies to ensure the safety and benefits of the technology.

Blue jay

Birds; U. S. Geological Survey: Bird Banding Laboratory. Retrieved December 24, 2012.
"Animal facts: Blue Jay". Canadian Geographic. The Royal Canadian

The blue jay (*Cyanocitta cristata*) is a passerine bird in the family Corvidae, native to eastern North America. It lives in most of the eastern and central United States; some eastern populations may be migratory. Resident populations are also in Newfoundland, Canada; breeding populations are found across southern Canada. It breeds in both deciduous and coniferous forests, and is common in residential areas. Its coloration is predominantly blue, with a white chest and underparts, and a blue crest; it has a black, U-shaped collar around its neck and a black border behind the crest. Males and females are similar in size and plumage, which does not vary throughout the year. Four subspecies have been recognized.

The blue jay feeds mainly on seeds and nuts, such as acorns, which it may hide to eat later; soft fruits; arthropods; and occasionally small vertebrates. It typically gleans food from trees, shrubs, and the ground, and sometimes hawks insects from the air. Blue jays can be very aggressive to other birds; they sometimes raid nests and have even been found to have decapitated other birds.

It builds an open cup nest in the branches of a tree; both sexes participate. The clutch may be two to seven eggs, which are blueish or light brown with darker brown spots. Young are altricial, and are brooded by the female for 8–12 days after hatching. They may stay with their parents for one to two months.

The name jay derives from the bird's noisy, garrulous nature and has been applied to other birds of the same family, which are also mostly gregarious. Jays are also called jaybirds.

J. Robert Oppenheimer

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J. Robert Oppenheimer (born Julius Robert Oppenheimer OP-?n-hy-m?r; April 22, 1904 – February 18, 1967) was an American theoretical physicist who served as the director of the Manhattan Project's Los Alamos Laboratory during World War II. He is often called the "father of the atomic bomb" for his role in overseeing the development of the first nuclear weapons.

Born in New York City, Oppenheimer obtained a degree in chemistry from Harvard University in 1925 and a doctorate in physics from the University of Göttingen in Germany in 1927, studying under Max Born. After research at other institutions, he joined the physics faculty at the University of California, Berkeley, where he was made a full professor in 1936.

Oppenheimer made significant contributions to physics in the fields of quantum mechanics and nuclear physics, including the Born–Oppenheimer approximation for molecular wave functions; work on the theory of positrons, quantum electrodynamics, and quantum field theory; and the Oppenheimer–Phillips process in nuclear fusion. With his students, he also made major contributions to astrophysics, including the theory of cosmic ray showers, and the theory of neutron stars and black holes.

In 1942, Oppenheimer was recruited to work on the Manhattan Project, and in 1943 was appointed director of the project's Los Alamos Laboratory in New Mexico, tasked with developing the first nuclear weapons. His leadership and scientific expertise were instrumental in the project's success, and on July 16, 1945, he was present at the first test of the atomic bomb, Trinity. In August 1945, the weapons were used on Japan in the atomic bombings of Hiroshima and Nagasaki, to date the only uses of nuclear weapons in conflict.

In 1947, Oppenheimer was appointed director of the Institute for Advanced Study in Princeton, New Jersey, and chairman of the General Advisory Committee of the new United States Atomic Energy Commission (AEC). He lobbied for international control of nuclear power and weapons in order to avert an arms race with the Soviet Union, and later opposed the development of the hydrogen bomb, partly on ethical grounds. During the Second Red Scare, his stances, together with his past associations with the Communist Party USA, led to an AEC security hearing in 1954 and the revocation of his security clearance. He continued to lecture, write, and work in physics, and in 1963 received the Enrico Fermi Award for contributions to theoretical physics. The 1954 decision was vacated in 2022.

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