

<b>Date</b>	<b>Event</b>	<b>Additional Details</b>	<b>Citation</b>
1561	Earliest recorded mass-UFO sighting in modern era	A mass sighting of celestial phenomena or unidentified flying objects (UFO) occurred in 1561 above Nuremberg (then a Free Imperial City of the Holy Roman Empire). Some skeptics feel that the phenomenon was likely to have been a sun dog.	<a href="#">Cite</a>
1678	Earliest recorded crop circle	The Mowing-Devil: or, Strange News out of Hartford-shire is the title of an English woodcut pamphlet published in 1678. The pamphlet tells of a farmer in Hertfordshire who, refusing to pay the price demanded by a labourer to mow his field, swore he would rather the Devil mowed it instead. According to the pamphlet, that night his field appeared to be in flame. The next morning, the field was found to be perfectly mowed, "that no mortal man was able to do the like".	<a href="#">Cite</a>
1794	<b>First use of balloons for military purposes</b>	Battle of Fleurus, France	<a href="#">Cite</a>
1824	<b>Modern rubber balloon invented</b>	Michael Faraday, who contributed to idea of EM fields	<a href="#">Cite</a>
1834	First rotating electric motor invented	By Prussian/Russian inventor Moritz von Jacobi	<a href="#">Cite</a>
1852	<b>First dirigible balloons invented</b>	Dirigible meaning "steerable" in French	<a href="#">Cite</a>
1886	Radio waves transmitted and controlled	In November 1886 Heinrich Hertz became the first person to transmit and receive controlled radio waves.	<a href="#">Cite</a>
1888	<b>American airships developed</b>	In 1888, the design of the Campbell Air Ship, designed by Professor Peter C. Campbell, was built by the Novelty Air Ship Company. It was lost at sea in 1889 while being flown by Professor Hogan during an exhibition flight.	<a href="#">Cite</a>
1895	Germans invent airship	Zepplin patented in Germany	<a href="#">Cite</a>
1897	<b>Aluminum-envelope airship developed</b>	In 1897, an airship with an aluminum envelope was built by the Hungarian-Croatian engineer David Schwarz.	<a href="#">Cite</a>
1897	Aurora, Texas UFO incident	Newspaper article describes an airship going 10-20mph; says his remains were badly disfigured but that "he was not an inhabitant of this world" (yellow journalism)	<a href="#">Cite</a>
1904	US takes over construction of Panama Canal	Worth recalling the US was a major superpower doing big things around the world, even before WWI	<a href="#">Cite</a>
1907	First fully-synthetic plastic invented	The world's first fully synthetic plastic was Bakelite, invented in New York in 1907 by Leo Baekeland, who coined the term plastics.	<a href="#">Cite</a>
1910	<b>Aluminum foil replaces tin foil in Europe</b>	The first aluminium foil rolling plant, Dr. Lauber, Neher & Cie. was opened in Emmishofen, Switzerland. By 1911, they're packaging Toberlone chocolates in aluminum foil	<a href="#">Cite</a>
28-Jul-1914	WWI Begins	Archduke Ferdinand assassination; Russia backs Serbia; others Austria	<a href="#">Cite</a>
1914	<b>Balloons and dirigibles are used in WWI</b>	Three types of balloons were deployed in warfare: free balloons, captive balloons and large dirigibles.	<a href="#">Cite</a>

11-Nov-1918	WWI Ends	Three types of balloons were deployed in warfare: free balloons, captive balloons and large dirigibles.	<a href="#">Cite</a>
1922	King Tut's tomb discovered	In Egypt, English archaeologist Howard Carter and his men discover the entrance to Pharaoh Tutankhamun's tomb in the Valley of the Kings.	<a href="#">Cite</a>
1923	Mechanics of placing a satellite into orbit published	"In the 1920s and 1930s, the German Society for Space Travel (Verein für Raumschiffahrt, referred to as VfR by its founders) began to gain in popularity, with membership growing from outside of Germany as well as within. The primary cause for the VfR's gaining worldwide appeal was due to the writings of mathematician Hermann Oberth who detailed, in a 1923 publication entitled The Rocket into Interplanetary Space, the mechanics of placing a satellite into Earth orbit."	<a href="#">Cite</a>
1924	German reparations plan begins	"The Dawes Plan (as proposed by the Dawes Committee, chaired by Charles G. Dawes) was a plan in 1924 that partially resolved the issue of World War I reparations Germany owed. It ended a crisis in European diplomacy following World War I and the Treaty of Versailles."	<a href="#">Cite</a>
1925	Invention of Television	"John Logie Baird invents the first working mechanical television system (1925). In 1928, he invents and demonstrates the first color television."	<a href="#">Cite</a>
1925	Helium Act of 1925 (US)	"The Title 50 codified law provided the authority for the creation of the National Helium Reserve"	<a href="#">Cite</a>
1926	Richard E. Byrd flies over North Pole	"Explorer Richard E. Byrd and co-pilot Floyd Bennett claim to be the first to fly over the North Pole in the Josephine Ford monoplane, taking off from Spitsbergen, Norway and returning 15 hours and 44 minutes later. Both men are immediately hailed as national heroes, though some experts have since been skeptical of the claim, believing that the plane was unlikely to have covered the entire distance and back in that short an amount of time.[8] An entry in Byrd's diary, discovered in 1996, suggested that the plane actually turned back 150 miles short of the North Pole, due to an oil leak."	<a href="#">Cite</a>
1926	First liquid-fueled rocket flight (US)	"Goddard began experimenting with liquid oxidizer, liquid fuel rockets in September 1921, and successfully tested the first liquid propellant engine in November 1923"	<a href="#">Cite</a>
1927	Invention of negative-feedback amplifier	This "revolutionizes the field of applied electronics."	<a href="#">Cite</a>

1928	Discovery of penicillin	"Scottish physician Alexander Fleming at St. Mary's Hospital in London (now part of Imperial College) was the first to show that <i>Penicillium rubens</i> had antibacterial properties.[78] On 3 September 1928 he observed that fungal contamination of a bacterial culture ( <i>Staphylococcus aureus</i> ) appeared to kill the bacteria. He confirmed this observation with a new experiment on 28 September 1928."	<a href="#">Cite</a>
1929	Stock market crash	"Despite all the economic warning signs and the market breaks in March and May 1929, stocks resumed their advance in June, and the gains continued almost unabated until early September 1929 (the Dow Jones average gained more than 20% between June and September). The market had been on a nine-year run that saw the Dow Jones Industrial Average increase in value tenfold, peaking at 381.17 on September 3, 1929."	<a href="#">Cite</a>
28-Jan-1930	Field-effect transistor patented in US	"Julius Edgar Lilienfeld (April 18, 1882 – August 28, 1963) was an Austro-Hungarian-American physicist and electrical engineer, who has been credited with the first patent on the field-effect transistor (FET) (1925). He was never able to build a working practical semiconducting device based on this concept, additionally, because of his failure to publish articles in learned journals and since high-purity semiconductor materials were not available to him, his FET patent never achieved fame, causing confusion for later inventors."	<a href="#">Cite</a>
17-Apr-1930	DuPont invents neoprene	Neoprene was invented by DuPont scientists on April 17, 1930, after Dr Elmer K. Bolton of DuPont attended a lecture by Fr Julius Arthur Nieuwland, a professor of chemistry at the University of Notre Dame.	<a href="#">Cite</a>
8-Sep-1930	3M starts selling Scotch tape	In 1930, Richard Drew, a 3M engineer, developed the first transparent sticky tape in St. Paul, Minnesota with material known as cellophane.	<a href="#">Cite</a>
5-Oct-1930	British airship crashes on way to India	R100 first flew in December 1929. It made a series of trial flights and a successful return crossing of the Atlantic in July–August 1930, but following the crash of R101 in October 1930 the Imperial Airship Scheme was terminated and R100 was broken up for scrap.	<a href="#">Cite</a>
2-Jan-1931	US invented cyclotron (particle accelerator)	Livingston had a greater technical challenge, but when he applied 1,800 V to his 11-inch cyclotron on January 2, 1931, he got 80,000-electron volt protons spinning around. A week later, he had 1.22 MeV with 3,000 V, more than enough for his PhD thesis on its construction.	<a href="#">Cite</a>



4-Feb-1931	Stalin declares policy of rapid industrialization	"Soviet leader Joseph Stalin gives a speech calling for rapid industrialization, arguing that only strong industrialized countries will win wars, while "weak" nations are "beaten". Stalin states: "We are fifty or a hundred years behind the advanced countries. We must make good this distance in ten years. Either we do it, or they will crush us." The first five-year plan in the Soviet Union is intensified, for the industrialization and collectivization of agriculture."	<a href="#">Cite</a>
7-Nov-1931	Mao declares Chinese Soviet Republic	"The Chinese Soviet Republic (CSR)[n 3] was a state within China, proclaimed on 7 November 1931 by Chinese Communist Party (CCP) leaders Mao Zedong and Zhu De in the early stages of the Chinese Civil War. The discontinuous territories of the CSR included 18 provinces and 4 counties under the communists' control."	<a href="#">Cite</a>
26-Nov-1931	US discovers deuterium	"Heavy hydrogen, later named deuterium, is discovered by American chemist Harold Urey."	<a href="#">Cite</a>
10-May-1932	Neutron discovered by British scientist	"For his discovery of the neutron, Chadwick was awarded the Hughes Medal by the Royal Society in 1932, the Nobel Prize in Physics in 1935, the Copley Medal in 1950 and the Franklin Medal in 1951."	<a href="#">Cite</a>
2-Aug-1932	Positron is discovered by American	Carl David Anderson (September 3, 1905 – January 11, 1991) was an American physicist. He is best known for his discovery of the positron in 1932, an achievement for which he received the 1936 Nobel Prize in Physics, and of the muon in 1936.	<a href="#">Cite</a>
1932	Zero-length springs invented, revolutionizing seismometers and gravimeters.	"A zero length spring can be attached to a mass on a hinged boom in such a way that the force on the mass is almost exactly balanced by the vertical component of the force from the spring, whatever the position of the boom. This creates a horizontal "pendulum" with very long oscillation period. Long-period pendulums enable seismometers to sense the slowest waves from earthquakes. The LaCoste suspension with zero-length springs is also used in gravimeters because it is very sensitive to changes in gravity. Springs for closing doors are often made to have roughly zero length, so that they exert force even when the door is almost closed, so they can hold it closed firmly."	<a href="#">Cite</a>
1932	Theory for unifying genetics and evolution published	Geneticist J. B. S. Haldane publishes The Causes of Evolution, unifying the findings of Mendelian genetics with those of evolutionary science.	<a href="#">Cite</a>
4-Apr-1933	Navy airship USS Akron crashes	"It was the world's first purpose-built flying aircraft carrier, carrying F9C Sparrowhawk fighter planes, which could be launched and recovered while it was in flight."	<a href="#">Cite</a>

20-May-1933	Lindbergh crosses the Atlantic solo	"Later that year, he was hired as a U.S. Air Mail pilot in the Greater St. Louis area, where he started to prepare for his historic 1927 transatlantic flight. For his flight, President Calvin Coolidge presented Lindbergh both the Distinguished Flying Cross and Medal of Honor, the highest U.S. military award."	<a href="#">Cite</a>
1933	Birth of radio astronomy	"The detection by Karl Jansky of radio waves from the center of the Milky Way Galaxy is reported in The New York Times. The discovery leads to the birth of radio astronomy."	<a href="#">Cite</a>
1933	<b>Discovery of polyethylene</b>	Plastic wraps, films, membranes. By Imperial Chemical Industries (ICI) researchers Reginald Gibson and Eric Fawcett.	<a href="#">Cite</a>
1935	<b>Radar invented</b>	It is historically correct that, on June 17, 1935, radio-based detection and ranging was first demonstrated in Britain.	<a href="#">Cite</a>
1936	Mästermyr chest (Viking) discovered in Sweden	The Mästermyr chest is a Viking Age (793–1066) tool chest found in the Mästermyr mire west of Hemse on the island of Gotland, Sweden. It is the largest tool find from that era in Europe.	<a href="#">Cite</a>
6-May-1937	Hindenburg disaster	35 fatalities "The publicity shattered public confidence in the giant, passenger-carrying rigid airship and marked the abrupt end of the airship era."	<a href="#">Cite</a>
1938	Saudi oil discovered	"On March 3, 1938, an American-owned oil well in Dhahran, Saudi Arabia, drilled into what would soon be identified as the largest source of petroleum in the world. The discovery radically changed the physical, human, and political geography of Saudi Arabia, the Middle East, and the world. Before the discovery (made by the company that would eventually become Chevron), Saudi Arabians were largely nomadic."	<a href="#">Cite</a>
1938	Nuclear fission is discovered by German chemists	Made the development of an atomic bomb a theoretical possibility.	<a href="#">Cite</a>
26-May-38	House Committee on Un-American Activities established	Several precursors dating back to 1918, but this one lasts	<a href="#">Cite</a>
30-Oct-38	The War of the Worlds (1938 radio drama)	Narrated by Orson Welles as an adaptation of H. G. Wells's novel The War of the Worlds (1898). The episode is famous for inciting a panic by convincing some members of the listening audience that a Martian invasion was taking place, though the scale of panic is disputed, as the program had relatively few listeners.	<a href="#">Cite</a>
11-Feb-1939	Discovery of fission reported in Nature journal	News hits the US / English-speaking world	<a href="#">Cite</a>
1-Jun-1939	Critical mass for Uranium discovered by British	In Britain, Frisch and Rudolf Peierls at the University of Birmingham had made a breakthrough investigating the critical mass of uranium-235 in June 1939.[13] Their calculations indicated that it was within an order of magnitude of 10 kilograms (22 lb), which was small enough to be carried by a bomber of the day.	<a href="#">Cite</a>

27-Jul-1939	Douglas B-23 makes first flight	Worth noting that US military manufacturing was preparing for war, too	<a href="#">Cite</a>
2-Aug-1939	Einstein signs Einstein-Szilard Letter	Sent to Roosevelt, warned that Germany might develop atomic bombs and suggested that the US do the same	<a href="#">Cite</a>
1-Sep-1939	World War II begins in Europe	With Germany's invasion of Poland	<a href="#">Cite</a>
<b>1-Jan-1940</b>	<b>Air-based radar being tested by American and British craft</b>	By early 1941, portable centimetric airborne radars were being tested in American and British aircraft.	<a href="#">Cite</a>
1-Feb-1940	US Navy awards funding for nuclear research	In February 1940, the U.S. Navy awarded Columbia University \$6,000 in funding,[5] most of which Fermi and Szilard spent on graphite. A team of Columbia professors including Fermi, Szilard, Eugene T. Booth and John Dunning created the first nuclear fission reaction in the Americas, verifying the work of Hahn and Strassmann. The same team subsequently built a series of prototype nuclear reactors (or "piles" as Fermi called them) in Pupin Hall at Columbia, but were not yet able to achieve a chain reaction.[6] The Advisory Committee on Uranium became the National Defense Research Committee (NDRC) on Uranium when that organization was formed on 27 June 1940.[7]	<a href="#">Cite</a>
28-Jun-1941	Vannevar Bush appointed Director of OSRD	Manhattan Project moves from research to engineering phase	<a href="#">Cite</a>
7-Dec-1941	Pearl Harbor	US enters WWII	<a href="#">Cite</a>
1-Jan-1942	British begin radar + position indicator project	This is where the plane has a radar screen. "In January 1942, a new team was set up to combine the magnetron with a new scanning antenna and plan-position indicator display. The prototype's first use in April confirmed that a map of the area below the aircraft could be produced using radar.	<a href="#">Cite</a>
19-Feb-1942	Japanese Internment begins	Executive Order 9066	<a href="#">Cite</a>
7-Sep-1942	Julius Rosenberg recruited by Soviets	"According to a 2001 book by his former handler Alexander Feklisov, Rosenberg was originally recruited to spy for the interior ministry of the Soviet Union, NKVD, on Labor Day 1942 by a former spymaster, Semyon Semyonov."	<a href="#">Cite</a>
1-May-1943	Trident Conference held between US-UK	Decision to engage in Battle of Normandy	<a href="#">Cite</a>
1-Nov-1944	Foo Fighters reported over Europe	One night in November 1944, a Bristol Beaufighter crew—pilot Edward Schlueter, radar observer Donald J. Meiers, and intelligence officer Fred Ringwald—was flying along the Rhine north of Strasbourg. They described seeing “eight to 10 bright orange lights off the left wing...flying through the air at high speed.” Neither the airborne radar nor ground control registered anything nearby.	<a href="#">Cite</a>
<b>13-Dec-1944</b>	<b>American pilots report silver metallic spheres</b>	“Secret Weapon Resembles Yule Decoration.” Twin Falls Telegram. December 14, 1944, page 1. Believed to be German air defenses; hovered, in contrast to the glowing foo fighters	<a href="#">Cite</a>



1-Feb-1945	T-Force begins (Operation Paperclip precursor)	T-Force examined 5,000 German targets, seeking expertise in synthetic rubber and oil catalysts, new designs in armored equipment, V-2 (rocket) weapons, jet and rocket propelled aircraft, naval equipment, field radios, secret writing chemicals, aero medicine research, gliders, and "scientific and industrial personalities"; "A "joint US Army–British Army mission to secure German scientific and industrial technology before it could be destroyed by retreating German forces or looters during the final stages of the Second World War and its aftermath. Key personnel were also to be seized and targets of opportunity exploited when encountered."	<a href="#">Cite</a>
12-Apr-1945	FDR (67) dies suddenly of a brain hemorrhage	While sitting for a self-portrait; Truman becomes president	<a href="#">Cite</a>
25-Apr-1945	United Nations (UN) formation	Meeting in SF, CA; charter adopted in late June '45	<a href="#">Cite</a>
8-May-1945	Germany surrenders	WWII (Europe) ends	<a href="#">Cite</a>
1-Aug-1945	Project SHAMROCK	Successor to NSA given all incoming/outgoing telegrams via Western Union	<a href="#">Cite</a>
6-Aug-1945	Hiroshima bombing	First Nuclear Weapon Used against human beings	<a href="#">Cite</a>
9-Aug-1945	Nagasaki bombing	Last Nuclear Weapon Used against human beings	<a href="#">Cite</a>
2-Sep-1945	Japan surrenders	WWII (Pacific) ends	<a href="#">Cite</a>
9-Dec-1945	General Patton has fatal accident	In back of Cadillac limo; invited on hunting trip by another general. "Observing derelict cars along the side of the road, Patton said, "How awful war is. Think of the waste." Moments later the 1938 Cadillac limousine they were riding in collided with an American army truck at low speed."	<a href="#">Cite</a>
1-Apr-1946	H-Bomb conference held at Los Alamos	Teller had idea for "Super" bomb. "A conference was held at Los Alamos in 1946 to examine the feasibility of building a Super; it concluded that it was feasible, but there were a number of dissenters to that conclusion."	<a href="#">Cite</a>
1-Jul-1946	Bikini Atoll island nuclear testing	First nuclear weapon tests since Trinity	<a href="#">Cite</a>
1-Aug-1946	Atomic Energy Commission created	Established after World War II by the U.S. Congress to foster and control the peacetime development of atomic science and technology	<a href="#">Cite</a>
31-Dec-46	WWII Officially Ends	Proclamation 2714 signed by Truman officially ending war. The signing of Proclamation 2714 is the legal basis for the end of World War II. As a result, any person who served between December 7, 1941, and December 31, 1946, is considered a World War II veteran.[1] Furthermore, the signing of the proclamation coincided with the termination of wartime statutes.[2] In 1976, President Gerald Ford signed Proclamation 4417 which declared that Proclamation 2714 voided the justification for Executive Order 9066 and thus made it inoperable.[3]	<a href="#">Cite</a>

1-Jan-47	Start Date for Compilation of UAP records	Intelligence Authorization Act of FY2023	<a href="#">Cite</a>
1-Jan-47	Operation Paperclip grows	"By 1947, this evacuation operation had netted an estimated 1,800 technicians and scientists and 3,700 family members."	<a href="#">Cite</a>
11-Apr-47	Dead Sea Scrolls discovered	Dating from the 3rd century BCE to the 1st century CE, the manuscripts demonstrated the unusual accuracy of transmission over a thousand-year period, rendering it reasonable to believe that current Old Testament texts are reliable copies of the original works.	<a href="#">Cite</a>
4-Jun-47	Project Mogul balloon launched in New Jersey	"It was a classified portion of an unclassified project by New York University (NYU) atmospheric researchers."	<a href="#">Cite</a>
5-Jun-47	Marshall Plan outlined in speech at Harvard	American reconstruction and relief aid to Europe; serves as funding front for CIA operations in Europe	<a href="#">Cite</a>
mid-June 1947	W.W. "Mac" Brazel discovers debris on NM ranch	He didn't have radio or TV, heard about saucers at a bar in early July	<a href="#">Cite</a>
<b>8-Jul-1947</b>	<b>Roswell incident</b>	Roswell Daily Record runs headline about flying saucer	<a href="#">Cite</a>
<b>9-Jul-1947</b>	<b>Senate passes National Security Act of 1947</b>	Creates the CIA, Air Force, DOD, Joint Chiefs, National Security Council. "On July 9, 1947, the Senate continued debates and, with an amendment to the title, passed the bill by a voice vote."	<a href="#">Cite</a>
<b>9-Jul-1947</b>	<b>Roswell retraction printed</b>	Weather balloon report	<a href="#">Cite</a>
15-Aug-1947	Manhattan Project ends	Disbanded on this date; ceased to exist by 12/31/1947	<a href="#">Cite</a>
23-Sep-1947	Twining Memo (Liet. Gen. to Brig. Gen. on Flying Discs)	Twining wrote "The phenomenon reported is something real and not visionary or fictitious."	<a href="#">Cite</a>
23-Jan-1948	Project SIGN established	The project was established in 1948 by Air Force General Nathan Farragut Twining, head of the Air Technical Service Command, and was initially named Project SAUCER. The goal of the project was to collect, evaluate, and distribute within the government all information relating to UFO sightings, on the premise that they might represent a national security concern.	<a href="#">Cite</a>
<b>13-May-1948</b>	<b>DuPont files for patent for Mylar</b>	Production of Polyethylene Terephthalate, presenting improved method for preparing a synthetic linear polyester Pat. No. 2,434,028	<a href="#">Cite</a>
3-Nov-1948	Dewey defeats Truman	First peacetime transition of power; unelected incumbent wins in an upset	<a href="#">Cite</a>
Early 1949	Project GRUDGE established	"Project Grudge was intended to alleviate public anxiety over UFOs and persuade the public that UFOs constituted nothing unusual or extraordinary." "	<a href="#">Cite</a>



Early 1949	Project Mogul ends	The early Mogul balloons consisted of large clusters of rubber meteorological balloons, however, these were quickly replaced by enormous balloons made of polyethylene plastic. These were more durable, leaked less helium, and also were better at maintaining a constant altitude than the early rubber balloons. Constant-altitude-control and polyethylene balloons were the two major innovations of Project Mogul.	<a href="#">Cite</a>
28-Mar-1949	James Forrestal tenders resignation	In 1949, angered over Forrestal's continued opposition to his defense economization policies, and concerned about reports in the press over his mental condition, Truman abruptly asked Forrestal to resign. By March 31, 1949, Forrestal was out of a job.	<a href="#">Cite</a>
22-May-1949	James Forrestal commits suicide	First Secretary of Defense appointed by Truman in 1947; began suffering mental health issues, checked into psychiatric ward; jumped out the window	<a href="#">Cite</a>
29-Aug-1949	Soviets test first nuclear weapon	Based on the American "Fat Man" design, in Kazakhstan	<a href="#">Cite</a>
Late 1949	Project GRUDGE ended	"The project formally ended in December 1949, but continued in a minimal capacity until late 1999."	<a href="#">Cite</a>
1-Jan-50	US discovers mole in Manhattan Project	In January 1950, the U.S. discovered that Klaus Fuchs, a German refugee theoretical physicist working for the British mission in the Manhattan Project, had given key documents to the Soviets throughout the war. Fuchs identified his courier as American Harry Gold, who was arrested on May 23, 1950.	<a href="#">Cite</a>
31-Jan-50	Truman orders program to develop H-bomb	"On January 31, 1950, US President Harry S. Truman ordered a program to develop a hydrogen bomb."	<a href="#">Cite</a>
22-Mar-50	Guy Hottel writes memo to FBI Director about Flying Saucer information	Hottel (SAC, Washington) writes that the following info was furnished to a special agent whose name is redacted: "An investigator for the Air Forces state that three so-called flying saucers had been recovered in New Mexico. They were described as being circular in shape with raised centers, approximately 50 feet in diameter. Each one was occupied by three bodies of human shape but only 3 feet tall dressed in metallic cloth of a very fine texture. Each body was bandaged in a manner similar to the blackout suits used by speed flyers and test pilots. According to Mr (Redacted) informant, the saucers were found in New Mexico due to the fact that the Government has a very high-powered radar set-up in that area and it is believed the radar interferes with the controlling mechanism of the saucers. No further evaluation was attempted by SA (Redacted) concerning the above "	<a href="#">Cite</a>
25-Jun-50	Korean War begins	First Proxy War between US and Soviet/China	<a href="#">Cite</a>

9-Mar-51	Teller–Ulam breakthrough in nuclear fusion	In 1951, after many years of fruitless labor on the "Super", a breakthrough idea from the Polish émigré mathematician Stanislaw Ulam was seized upon by Teller and developed into the first workable design for a megaton-range hydrogen bomb. This concept, now called "staged implosion" was first proposed in a classified scientific paper, On Heterocatalytic Detonations I. Hydrodynamic Lenses and Radiation Mirrors[ <sup>note 1</sup> ][4] by Teller and Ulam on March 9, 1951. The exact amount of contribution provided respectively from Ulam and Teller to what became known as the "Teller–Ulam design" is not definitively known in the public domain—the degree of credit assigned to Teller by his contemporaries is almost exactly commensurate with how well they thought of Teller in general. In an interview with Scientific American from 1999, Teller told the reporter:	<a href="#">Cite</a>
20-Aug-51	Project Artichoke (pre-MKUltra)	The primary goal of Project Artichoke was to determine whether a person could be involuntarily made to perform an act of attempted assassination.	<a href="#">Cite</a>
1-Mar-52	Project Bluebook (UFOs) starts	the systematic study of unidentified flying objects by the United States Air Force from March 1952 to its termination on December 17, 1969	<a href="#">Cite</a>
Jul-52	Washington DC Lights Incident	From July 12 to 29, 1952, a series of unidentified flying object (UFO) sightings were reported in Washington, D.C., and later became known as the Washington flap, the Washington National Airport Sightings, or the Invasion of Washington.	<a href="#">Cite</a>
Nov-52	First Hydrogen bomb tested	Using fusion instead of fission; but fission-activated	<a href="#">Cite</a>
4-Nov-1952	NSA formed	The origins of the National Security Agency can be traced back to April 28, 1917, three weeks after the U.S. Congress declared war on Germany in World War I. A code and cipher decryption unit was established as the Cable and Telegraph Section which was also known as the Cipher Bureau.	<a href="#">Cite</a>
Jan-53	Robertson Panel meeting	scientific committee which met in January 1953 headed by Howard P. Robertson. The Panel arose from a recommendation to the Intelligence Advisory Committee (IAC) in December 1952 from a Central Intelligence Agency (CIA) review of the U.S. Air Force investigation into unidentified flying objects, Project Blue Book.	<a href="#">Cite</a>
1953	Korean War "ends"	DMZ agreement	<a href="#">Cite</a>
1953	Project MKUltra begins	CIA mind control program; revealed in 1975 by Church Committee	<a href="#">Cite</a>
1954	<i>Discovery of polypropene (hard plastics, unrelated)</i>	Rigid, durable plastics, used to make lid of Tic Tac box	<a href="#">Cite</a>
14-Jul-54	Date of alleged "Cutler/Twining" MJ12 Memo	Many believe to be hoax	<a href="#">Cite</a>

8-Oct-54	US tests high-altitude balloon to deliver nuke	Weapon System 124A, given the codename Flying Cloud, was a project of the United States Air Force to use high-altitude balloons to deliver bombs and weapons of mass destruction on enemy targets. Tested in late 1954, the project was found to be unfeasible from the standpoint of accuracy, and the project was terminated the following year	<a href="#">Cite</a>
1-Aug-55	<b>First U-2 spy plane flown</b>	By Lockheed test pilot	<a href="#">Cite</a>
1-Nov-55	Vietnam War begins	Had been peace since 1954, following Geneva (Korea)	<a href="#">Cite</a>
27-Dec-55	<b>Eisenhower approves use of high-altitude balloon surveillance of Soviets (Project Genetrix)</b>	In the 1950s, President Dwight D. Eisenhower approved reconnaissance systems that included high-altitude balloons, airplanes, and satellites to collect strategic intelligence on the Soviet Union, China, and other potential threats to the United States.	<a href="#">Cite</a>
13-Jan-56	<b>US performing midair recoveries of spy balloon film dropped from parachute</b>	"On January 13, 1956, a specially modified Air Force C-119 roared over the Sea of Japan in pursuit of a high priority target. The plane, callsign "Center 39," suddenly made visual contact with what looked like a huge, translucent teardrop floating 50,000 feet in the air. This daring aeronautical maneuver was a part of one of the Cold War's most incredible intelligence gathering stunts. In an effort to gather information from behind the Iron Curtain, the U.S. Air Force launched hundreds of spy balloons to float over the Soviet Union, collect photographic coverage, and hopefully reappear in friendly airspace for midair recovery. The crew quickly typed out a "cut down code" and watched a box drop from the bottom of the teardrop before deploying a set of parachutes. After a painfully tense series of unsuccessful passes, the crew finally succeeded at 9,000 feet with the difficult task of	<a href="#">Cite</a>
1-Feb-56	<b>Soviets discover remnant of US spy camera from Project Moby Dick</b>	"Project 119L was a Cold War reconnaissance operation by the U.S. Air Force in which large espionage balloons floated cameras over the Soviet Union. The spy balloons would photograph sensitive Soviet sites and either hang in the air or land in the Sea of Japan until either a crew flying the C-119 Flying Boxcar or a naval vessel retrieved them. The project caused a row between the U.S. and Soviet forces when the Soviets discovered the remnants of a U.S. spy camera in February 1956."	<a href="#">Cite</a>
1-Apr-1956	Publication of "They Knew Too Much About Flying Saucers"	1956 book by paranormal author Gray Barke; first book to allege that "Men in Black" were covering up the existence of flying saucers.	<a href="#">Cite</a>
14-Apr-1956	Videotape invented	Videotape is first demonstrated at the 1956 NARTB (now NAB) convention in Chicago by Ampex. It is the demonstration of the first practical and commercially successful videotape format known as 2" Quadriplex	<a href="#">Cite</a>



30-Jun-1956	<b>Major changes to domestic air traffic regulation</b>	A TWA Lockheed Constellation and United Airlines Douglas DC-7 collide in mid-air over the Grand Canyon in Arizona, killing all 128 people aboard both aircraft in the deadliest civil aviation disaster to date; the accident leads to sweeping changes in the regulation of cross-country flight and air traffic control over the U.S.	<a href="#">Cite</a>
13-Sep-1956	Hard drive invented	invented by an IBM team led by Reynold B. Johnson	<a href="#">Cite</a>
31-Oct-1956	US Navy constructs permanent Antarctica base	The original Amundsen–Scott Station was built by Navy Seabees for the federal government of the United States during November 1956, as part of its commitment to the scientific goals of the International Geophysical Year, an effort lasting from January 1957 through June 1958 to study, among other things, the geophysics of the polar regions of Earth.	<a href="#">Cite</a>
1-Jul-57	Beginning of International Geophysical Year	International Geophysical Year was an international scientific project that lasted from 1 July 1957 to 31 December 1958. It marked the end of a long period during the Cold War when scientific interchange between East and West had been seriously interrupted.	<a href="#">Cite</a>
4-Oct-57	<b>Sputnik launched</b>	First artificial Earth satellite launched into an elliptical low Earth orbit by the Soviet Union	<a href="#">Cite</a>
1-Jul-58	<b>Project ECHO's genesis</b>	Air Force sponsors meeting on communications satellites, attended by Bell Labs and JPL scientists	<a href="#">Cite</a>
29-Jul-58	<b>NASA formed</b>	"[B]y 1914 the United States recognized that it was far behind Europe in aviation capability	<a href="#">Cite</a>
22-Jan-59	Project ECHO laid out	Project Echo, NASA's first communications satellite project, was officially laid out in a 22 January 1959 meeting with representatives from NASA, JPL, and Bell Telephone Laboratories setting the initial launch for September 1959.	<a href="#">Cite</a>
16-Feb-59	Castro becomes PM of Cuba	Following activities beginning in 1952	<a href="#">Cite</a>
12-Aug-1960	<b>NRO (predecessor) makes first midair retrieval of spy satellite film</b>	Project "Catch a Falling Star" did 40,000 missions over 27 years with a success rate of 90%.	<a href="#">Cite</a>
12-Aug-1960	<b>NASA launches ECHO I, first satellite, a Mylar balloon</b>	LBJ receives sample of aluminized Mylar from NASA chairman at press announcement	<a href="#">Cite</a>
25-Aug-1960	<b>NRO created</b>	"The NRO was established on August 25, 1960, after management problems and insufficient progress with the USAF satellite reconnaissance program (see SAMOS and MIDAS).[15]:23 [16] The formation was based on a 25 August 1960 recommendation to President Dwight D. Eisenhower during a special National Security Council meeting, and the agency was to coordinate the USAF and CIA's (and later the navy and NSA's) reconnaissance activities."	<a href="#">Cite</a>
Jan-61	JFK's first day in office	First civilian President since WWII; embarrassed Nixon	<a href="#">Cite</a>
17-Apr-1961	Bay of Pigs	JFK-approved invasion of Cuba; refused to send forces	<a href="#">Cite</a>

27-Apr-1961	JFK delivers "secrecy" speech	Addressed to American Newspaper Publishers Association	<a href="#">Cite</a>
19-Sep-1961	Betty and Barney Hill incident	Because her sister had several years earlier said she had seen a flying saucer, Betty thought it might be what she was observing.	<a href="#">Cite</a>
<b>29-Nov-1961</b>	<b>Allen Dulles fired</b>	He had been in charge of CIA since 1952; first civilian director	<a href="#">Cite</a>
<b>13-Mar-1962</b>	<b>Operation Northwoods Memo</b>	From Chairman of JSC to Sec Dev. McNamara; proposing false flags re Cuba; JFK denies	<a href="#">Cite</a>
16-Oct-1962	Cuban Missile Crisis	US put Jupiter missiles in Europe in 1961; Soviets sent nukes to Cuba	<a href="#">Cite</a>
20-Jun-1963	Civil Rights Act introduced	Under JFK; gets no traction until after he's killed	<a href="#">Cite</a>
28-Aug-1963	MLK's "I Have a Dream" speech	During the March on Washington for Jobs and Freedom	<a href="#">Cite</a>
<b>22-Nov-1963</b>	<b>JFK assassinated; LBJ becomes President</b>	A lot of questions here; Watergate burglar later confessed to plot	<a href="#">Cite</a>
<b>25-Jan-1964</b>	<b>Echo II launched by NASA (rigidized)</b>	"The Echo 2 spacecraft was a 41-m balloon of aluminum foil-mylar laminate. Echo 2 was designed as a rigidized passive communications spacecraft for testing propagation, tracking, and communication techniques. Instrumentation included a beacon telemetry system that provided a tracking signal, monitored spacecraft skin temperature between -120 deg C and +16 deg C, and measured the internal pressure of the spacecraft between 5E-5 mm of mercury and 0.5 mm of mercury, especially during the initial inflation stages. This system, which consisted of two beacon assemblies, used solar cell panels for power and had a minimum power output of 45 mW at 136.17 MHz and 136.02 MHz. In addition to fulfilling its communications mission, the spacecraft was used for global geometric geodesy. The spacecraft re-entered the atmosphere on 07 June 1969 "	<a href="#">Cite</a>
2-Jul-1964	Civil Rights Act passes	Signed by LBJ; who also had the FBI wiretapping MLK Jr.	<a href="#">Cite</a>
24-Sep-1964	Warren Commission releases JFK Assassination report	888-page report says Oswald acted alone; Specter's single-bullet theory	<a href="#">Cite</a>
6-Nov-1964	LBJ defeats Goldwater in re-election campaign	Considered RFK as VP, but RFK bowed out	<a href="#">Cite</a>
22-Dec-1964	First SR-71 Blackbird flight	Lockheed test	<a href="#">Cite</a>
21-Feb-65	Malcolm X assassinated	Allegedly told Gordon Parks that Nation of Islam was trying to kill him	<a href="#">Cite</a>
1-Mar-66	Gerald Ford calls for UFO investigation by Congress	After Michigan sightings dismissed as "swamp gas" by Air Force	<a href="#">Cite</a>
5-Apr-66	Congress holds hearing on UFOs	Hynek testified	<a href="#">Cite</a>
24-Jun-66	Project PAGEOUS begins	100-ft. 0.5mils Mylar "satelloon" launched by NASA as part of satellite triangulation network. "Finished in 1974, the network connected 46 stations (3000–5000 km distance) of all continents with an accuracy of 3–5 m (approx. 20 times better than terrestrial triangulations at that time)."	<a href="#">Cite</a>

13-Jul-66	US Air Force launches 30-foot grid-sphere balloon	"In 1959 the USAF became interested in the use of satellites as space reflectors for long distance communications. One possibility was a metalized balloon-type structure that could be boosted into space in a small container and inflated after it reached orbit. The NASA ECHO I, launched Aug. 12, 1960, was one of these. Unfortunately, the closed structure of the inflated balloon satellite was, in time, deformed and pushed out of orbit by the pressure created by the sun's radiation. Furthermore, small space particles caused drag which eventually reduced the balloon's speed. These minuscule influences were enough to prevent the balloon satellite from staying in a long-term orbit. It was gradually slowed and eventually fell from orbit.  To reduce the effects of solar pressure and space drag the USAF contracted with the Goodyear	<a href="#">Cite</a>
6-Oct-66	Condon Committee starts	University of Colorado	<a href="#">Cite</a>
5-Jun-67	Six Day War begins	"By the sixth day of the conflict, Israel had occupied the entire Sinai Peninsula."	<a href="#">Cite</a>
7-Jun-67	UN's Outer Space Affairs Group Meeting	Supported by the Office of Naval Research, Prof. James McDonald speaks on UFO subject matter, public	<a href="#">Cite</a>
Apr-68	MLK assassinated	By James Earl Ray at a motel; possible MLUltra	<a href="#">Cite</a>
6-Jun-68	Bobby Kennedy assassinated	By Sirhan Sirhan, possible MKULTA; was running for President	<a href="#">Cite</a>
29-Jul-68	Stanton Friedman testifies to House on UFOs	Full statement here: <a href="https://files.ncas.org/ufosymposium/friedman.html">https://files.ncas.org/ufosymposium/friedman.html</a>	<a href="#">Cite</a>
20-Jan-69	Richard Nixon inaugurated	Defeated Humphrey easily; Wallace ran as independent	<a href="#">Cite</a>
7-Jun-69	ECHO II balloon burns on re-entry	They would orbit the Earth for a while, eventually hit by meteorite	<a href="#">Cite</a>
20-Jul-1969	NASA lands on the Moon	With just 5 months remaining to fulfill JFK's promise	<a href="#">Cite</a>
17-Dec-1969	Project BlueBook ends	Says nothing to see; MUFON formed same year	<a href="#">Cite</a>
26-Dec-1969	UFO Symposium held by American Assoc. for Adv. of Science	Prof. James MacDonald gives defense of UFOs, praised by Sagan	<a href="#">Cite</a>
1-Jan-1970	First report of Army spying on civilians	First came the revelations by Army intelligence officer Christopher Pyle in January 1970 of the US Army's spying on the civilian population	<a href="#">Cite</a>
1-Jun-1970	Stanton Friedman goes full-time in Ufology	Exact date unknown; he will later break the Roswell case again	<a href="#">Cite</a>
11-Jan-1971	Existence of NRO mentioned in public for first time	"The Pentagon's Defense Intelligence Agency has a staff of 3,000 and spends \$500-million yearly—as much as the C.I.A.— to collect and evaluate strategic intelligence. [...] Its National Reconnaissance Office spends another \$1-billion yearly flying reconnaissance airplanes and lofting or exploiting the satellites that constantly circle the earth and photograph enemy terrain with incredible accuracy from 130 miles up."	<a href="#">Cite</a>
30-Sep-1971	US-Soviet Agreement to Reduce Risk of Nuclear War	Mentions "unidentified objects"	<a href="#">Cite</a>
17-Jun-1972	Watergate break in	During '72 Election season; CIA and JFK-linked folks involved	<a href="#">Cite</a>



6-Nov-1972	Nixon Defeats McGovern	In an Historic Landslide	<a href="#">Cite</a>
23-Jan-1973	Peace reached in Vietnam	U.S. involvement in the Vietnam War ends with the signing of the Paris Peace Accords.	<a href="#">Cite</a>
11-Oct-1974	Congress retires Atomic Energy Commission	In the wake of 1973 oil crisis	<a href="#">Cite</a>
22-Dec-1974	CIA's "family jewels" revealed by NYT	published a lengthy article by Seymour Hersh detailing operations engaged in by the CIA over the years that had been dubbed the "family jewels". Covert action programs involving assassination attempts on foreign leaders and covert attempts to subvert foreign governments were reported for the first time. In addition, the article discussed efforts by intelligence agencies to collect information on the political activities of US citizens.	<a href="#">Cite</a>
1-Jan-1975	Cattle mutilations have become associated with UFOs	"By 1975, the Colorado Associated Press reportedly voted the mutilations the No. 1 story in the state."   "By the mid-1970s, cattle mutilations had become associated with UFOs."	<a href="#">Cite</a>
27-Jan-1975	Church Committee created	Senate committee to investigate excesses of intelligence agencies. Approved by vote of 82-4 in Senate	<a href="#">Cite</a>
30-Apr-1975	Vietnam War officially ends	With the Fall of Saigon	<a href="#">Cite</a>
5-Nov-1975	Travis Walton UFO incident	Loggers in N. AZ claim abduction; "In the days following Walton's UFO claim, The National Enquirer awarded Walton and his co-workers a \$5,000 prize for "best UFO case of the year""	<a href="#">Cite</a>
19-Feb-1976	Proclamation 4417	Signed by Gerald Ford, voiding Proclamation 2714. Seen as done for political reasons, but notably coincides with Church Committee activities	<a href="#">Cite</a>
2-Nov-1976	Jimmy Carter elected president	Defeated Ford in his re-election bid; made UFO campaign promises	<a href="#">Cite</a>
4-Aug-1977	Department of Energy formed	Replaces interim agencies after AEC retired	<a href="#">Cite</a>
16-Nov-1977	Close Encounters of a Third Kind released	Deal developed in late 1973 b/w Spielberg and Columbia Pictures	<a href="#">Cite</a>
1978	Stanton Friedman interviews Jesse Marcel Sr.	Marcel living in Huma, LA, near where Friedman was giving a talk	<a href="#">Cite</a>
4/20/1979	US attorney and NM senator hold cattle mutilation mtg	U.S. Attorney R. E. Thompson and US Senator Harrison Schmidt held a public meeting about cattle mutilations. The meeting was attended by about 80 -- one attendee was Paul Bennewitz.	<a href="#">Cite</a>
19-Dec-79	Marcel interviewed by National Enquirer about Roswell	One of only a handful of interviews; not sure which this is	<a href="#">Cite</a>
24-Oct-80	Paul Bennewicz contacts Kirkland Air Force	Origin of the Dulce NM saga;	<a href="#">Cite</a>
20-Jan-1981	Ronald Reagan is inaugurated	After Defeating Carter in Re-Election Bid	<a href="#">Cite</a>
12-Feb-1981	NSA Director, Bobby Ray Inman, becomes Dep. Dir. CIA	"While simultaneously acting as the NSA director and the CIA deputy director in early 1981, he modernized the collection process by setting up a joint facility in College Park, Maryland. According to Budiansky, Inman did so by "sending memos back and forth to himself approving his solutions."	<a href="#">Cite</a>
1982	Bob Lazar allegedly meets Ed Teller at Los Alamos	This much seems true	<a href="#">Cite</a>

1985	Cutler/Twining memo' sent to Bill Moore or Friedman	According to researchers, ufologist Jaime Shandera had, in 1984, received an envelope containing film which, when developed, showed images of eight pages of documents that appeared to be briefing papers describing "Operation Majestic 12"... Shandera and his ufologist colleagues Stanton T. Friedman and Bill Moore say they later received a series of anonymous messages that led them to find what has been called the "Cutler/Twining memo"[a] in 1985 while searching declassified files in the National Archives. Purporting to be written by President Eisenhower's assistant Robert Cutler to General Nathan F. Twining and containing a reference to Majestic 12, the memo is widely held to be a forgery, likely planted as part of a hoax.	<a href="#">Cite</a>
1986	FAA UFO incident	FAA begins switching to transponder-only radar around this time	<a href="#">Cite</a>
31-May-87	Majestic 12 Documents surface	British ufologist Timothy Good claimed to be in possession of 1950s-era UFO documents	<a href="#">Cite</a>
5/15/1989	Bob Lazar claims to work at Area S4	George Knapp interview on KLAS	<a href="#">Cite</a>
7/1/1989	Bill Moore confesses to role in Bennewicz affair	"At a 1989 MUFON conference, Moore claimed that he had been engaged in "disinformation" activities against Paul Bennewitz on behalf of the Air Force Office of Special Investigations." "This was corroborated by a declassified CIA document that claims Moore and another officer of the Air Force Office of Special Investigations, Richard Doty, are responsible for a disinformation campaign against Bennewitz."	<a href="#">Cite</a>
19-Nov-1990	W. Glenn Dennis Interview	National Archives link; mortician in Roswell; allegedly based on joke made in '48 to friends about receiving request from military for small coffins after Roswell crash	<a href="#">Cite</a>
1991	Gen. Thomas DuBose says weather balloon was a cover-up	But denies bodies; was Chief of Staff for Air Force in 1948; from Pflock 2001, pp. 33	<a href="#">Cite</a>
17-Sep-1992	US government declassifies the "fact of" the NRO	According to NRO materials. Also stated in "One Officer's Perspective" (2002) on cia.gov regarding decline of NRO, that Dick Cheney did the declassifying. Oddly enough.	<a href="#">Cite</a>

2001	Deployment of Rigidized inflatable sphere (space-based)	<p>OCSE (Optical Calibration Sphere Experiment) or IOSS (Inflatable Optical Sphere System), a 3.5 m diameter inflatable sphere built by L'Garde Inc. for calibrating the lasers at the AFRL Starfire Optical Range. The 0.48 m long 0.41 m diameter OCSE canister was ejected from the JAWSAT stack; 42 seconds later, with the canister clear of the other payloads, the canister door opened and 10 seconds after that inflation of the sphere began. The canister intentionally remained attached to the inflated sphere. Once inflated, the sphere's material becomes rigidized. OCS had a standard visible magnitude of +5 and required a dark sky for it to be observed. After successfully completing its one year mission, the OCSE reentered the Earth's atmosphere on 5 March 2001.</p>	<a href="#">Cite</a>
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