

date NC	note	date BC-AD
NC 02000 to 04000	agriculture and fixed settlement arise. Early Sumerian writing appears.	BC 8001 to 6001
NC 03000	production of pottery and cloth in Asia Minor.	BC 7001
NC 04000 to 07000	use of potters wheel, wheeled vehicles, plows, and sailing boats in Mesopotamia.	BC 6001 to 3001
NC 05000	mining and smelting of copper in Egypt.	BC 5001
NC 06195	the oldest known bridge (discovered in NC 11990), the 1100 m wooden Sweet Track Bridge, is completed in England.	BC 3806
NC 06900	correspondence of Sumerian writing to spoken language.	BC 3101
NC 07300	construction of Great Pyramids of Egypt begins.	BC 2701
NC 07400	tablets created to organize Sumerian words into glossaries.	BC 2601
NC 07700	construction of Great Pyramids of Egypt is completed.	BC 2301
NC 08000	glassmaking begins.	BC 2001
NC 08200	Nimrod bridge, oldest known arch bridge, is completed in Iraq.	BC 1801
NC 08400 to 08500	cities constructed on Mediterranean island of Crete, featuring paved roads and elaborate multi-story palatial estates.	BC 1601 to 1501
NC 08871	catalog of stars is prepared in Assyria.	BC 1130
NC 09351	coins used as monetary exchange in Lydia.	BC 650
NC 09489	Bosporus Bridge, first intercontinental bridge, is completed in Turkey.	BC 512
NC 09500 to 09700	water power harnessed in Near East.	BC 501 to 301
NC 09711	Tower of Pharos lighthouse built in Alexandria, Egypt.	BC 290
NC 09741	Archimedes develops engineering of levers and other simple machines.	BC 260
NC 09800	parchment writing scrolls developed.	BC 201
NC 09872	Hipparchus creates a catalog of some 1000 stars.	BC 129
NC 09900	Romans construct amphitheatres.	BC 101
NC 10030	map of constellations is constructed in Dendera Egypt.	AD 30
NC 10100	bookmaking begins. magnetic compass invented in China.	AD 100
NC 10150	Farnese Atlas, depicting the Hipparchus catalog of constellations, is sculpted in Italy.	AD 150
NC 10300	An-Lan bamboo suspension bridge, 320 m with a 61 m span, is constructed in China.	AD 300
NC 10527 to 10565	silk worms smuggled from China to Byzantium.	AD 527 to 565
NC 10600	approximate date that an early form of Arabic numerals, a decimal number system, was invented in India by Hindus.	AD 600
NC 10650	approximate date of construction of a 221 by 25 cm chart of 1345 stars, grouped into 257 asterisms, in the Gansu province of western China (and later rediscovered in NC 11900).	AD 650
NC 10750	windmills used in Near East.	AD 750
NC 10771	in Baghdad an Indian scholar introduced the Indian numerical system to a community of Arab, Greek, Persian, Jewish, and other scholars. Arabs introduced this system of decimal numbers to the West, now called Arabic numerals.	AD 771
NC 11040	gunpowder developed by Chinese.	AD 1040
NC 11041 to 11048	movable type invented by Pi Sheng in China.	AD 1041 to 1048
NC 11200	in Toledo Spain, an initiative to translate a library of Arabic texts into Hebrew and Latin had recovered several centuries of scientific, medical, and philosophical knowledge to European powers.	AD 1200
NC 11267	book by Roger Bacon in England describes use of eyeglasses to correct farsightedness.	AD 1267
NC 11288	small cannon is made in China.	AD 1288
NC 11403	metal type developed by Koreans.	AD 1403
NC 11440	comprehensive English-Latin dictionary is published by Grammaticus.	AD 1440
NC 11450	Nicolas Krebs in Germany develops eyeglasses to correct nearsightedness.	AD 1450
NC 11453	cannon is used in combat in Asia minor.	AD 1453
NC 11455	first movable type printing press produces Gutenberg Bible.	AD 1455
NC 11500	mechanical clocks appear in Europe.	AD 1500
NC 11555	Georg Bauer in Germany writes <i>De re metallica</i> , a mining handbook.	AD 1555
NC 11590	compound microscope developed in Holland.	AD 1590
NC 11600	wooden rails set.	AD 1600
NC 11609	telescope used in Holland.	AD 1609
NC 11620	first navigable submarine built.	AD 1620
NC 11642	Blaise Pascal in France builds first adding machine.	AD 1642
NC 11643	Evangelista Torricelli in Italy develops first barometer.	AD 1643
NC 11654	Christian Huygens in Netherlands develops pendulum clock.	AD 1654
NC 11661	a planetarium nearly 6 m in diameter, is constructed of iron at Jena in Germany.	AD 1661
NC 11664	Globe of Gottorf, a planetarium more than 3 m in diameter, is created by Adam Olearius in Germany.	AD 1664
NC 11668	John Wilkins in England develops a precursor of the modern system of metric units.	AD 1668
NC 11671	Gottfried Wilhelm Leibniz in Germany builds calculating machine.	AD 1671
NC 11709	Fahrenheit thermometer developed.	AD 1709
NC 11712	atmospheric steam engine built in Staffordshire.	AD 1712
NC 11751	Jacques de Vaucanson in France develops first metal slide lathe.	AD 1751
NC 11752	Benjamin Franklin in Pennsylvania invents lightning rod.	AD 1752
NC 11761	cast iron rails set.	AD 1761
NC 11765	mechanical clock designed by John Harrison in England, a precursor of modern marine chronometer, is determined to be accurate to less than a tenth of a second a day.	AD 1765
NC 11769	James Watt patents improved steam engine.	AD 1769
NC 11775	industrial boring tool for steam engine cylinders developed.	AD 1775
NC 11783	first hot-air balloon developed in France.	AD 1783
NC 11784	Benjamin Franklin invents bifocal spectacles.	AD 1784
NC 11793	Eli Whitney in United States invents cotton gin.	AD 1793
NC 11796	hydraulic press developed.	AD 1796
NC 11799	metric standards of measurement established in France.	AD 1799
NC 11800	Alessandro Volta in Italy invents first form of chemical electric battery.	AD 1800
NC 11804	sewing machine invented. Nicolas Appert in France develops canning as means of preserving food.	AD 1804
NC 11816	David Brewster in United Kingdom invents kaleidoscope.	AD 1816
NC 11821	Stockton-Darlington public railway begins service in United Kingdom.	AD 1821
NC 11822	Joseph Niepce in France produces earliest form of photograph.	AD 1822
NC 11825	George Stephenson in United Kingdom develops first steam-powered locomotive.	AD 1825
NC 11837	Samuel Morse in United States patents telegraph.	AD 1837
NC 11839	Wheatstone-Cooke system of telegraph in transmits messages between railway stations in West Drayton and Paddington, a distance of 29 km. Charles Goodyear in United States discovers process of vulcanizing rubber.	AD 1839
NC 11842	Physician Crawford Long in United States performs first recorded use of general anesthesia during surgery.	AD 1842
NC 11844	Samuel Morse sends a telegraph message from Washington DC to Baltimore, a distance of 60 km.	AD 1844
NC 11846	Elias Howe in United States patents lock-stitch sewing machine.	AD 1846
NC 11847	United States Post Office introduces postage stamps.	AD 1847
NC 11851	Isaac Singer patents a continuous-stitch sewing machine.	AD 1851
NC 11852	Elisha Otis in United States installs first modern elevator. Royal Observatory in Greenwich uses telegraph transmissions to standardize time for other locations.	AD 1852
NC 11856	Henry Bessemer in United Kingdom develops inexpensive process for making steel.	AD 1856
NC 11859	Edwin Drake in United States drills first oil well in Pennsylvania.	AD 1859
NC 11862	Richard Gatling invents first form of machine gun.	AD 1862
NC 11867	first practical typewriter developed and later brought to market in NC 11874.	AD 1867
NC 11872	typewriter keyboard is developed. Eadward Muybridge in United States invents zoopraxiscope, forerunner of movie projector. Robert Chesebrough in United States patents Vaseline petroleum jelly.	AD 1872
NC 11873	Andrew Hallidie invents cable cars in San Francisco.	AD 1873
NC 11874	modern barbed wire invented.	AD 1874
NC 11875	George Green in United States patents electric dental drill.	AD 1875
NC 11876	Alexander Graham Bell in United States invents telephone. Karl von Linde in Germany invents first practical refrigerator.	AD 1876
NC 11877	Nikolaus Otto invents type of internal combustion engine still used. Thomas Edison invents wax-cylinder phonograph. a 487 mm Large Refractor telescope is built at Strasbourg Astronomical Observatory.	AD 1877
NC 11878	rayon developed.	AD 1878
NC 11879	first practical electric lights developed in United States. sugar substitute saccharine is formulated at Johns Hopkins University in Baltimore.	AD 1879

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NC 11880	George Eastman in United States patents a dry-plate photographic process.	AD 1880
NC 11881	Frederic Ives produces first color photograph.	AD 1881
NC 11882	a rotating electromagnetic field, a precursor of devices using alternating current, discovered by Nikola Tesla in United States.	AD 1882
NC 11883	four standard time zones adopted by United States and Canadian Railroads. construction is completed on the 486 m Brooklyn Bridge in New York, the world's longest suspension bridge at the time.	AD 1883
NC 11884	prime meridian at Royal Observatory, Greenwich, adopted by international conference in Washington D.C., providing for the use of 24 standard time zones. Ottmar Mergenthaler in United States patents the Linotype typesetting machine. New York and Boston are linked by telephone.	AD 1884
NC 11885	Karl Benz in Germany builds precursor to modern automobile. modern-like bicycle built in United Kingdom. Home Insurance Building, first skyscraper-type building built in Chicago. William Stanley in United States invents electric transformer. Charles Tainter invents Dictaphone for recording dictation.	AD 1885
NC 11886	George Westinghouse in United States invents airbrake for railroad cars.	AD 1886
NC 11887	first electric trolley line is constructed in Richmond, Virginia.	AD 1887
NC 11888	Emile Berliner in Germany invents phonograph disc. John Dunlop in United Kingdom patents air-filled tire. George Eastman in United States develops Kodak box camera, the first camera using roll film. John Loud in United States invents ballpoint pen.	AD 1888
NC 11889	Gustave Eiffel in France builds tallest freestanding tower. first electric elevator is installed in New York City. Thomas Edison invents kinetograph, first sound camera.	AD 1889
NC 11891	Nikola Tesla invents Tesla coil, which produces a high-frequency high voltage current that is later used in radios and televisions. escalator is devised by Jesse Reno. William Morrison in Iowa builds an electric car.	AD 1891
NC 11893	long-distance telephone connections from Boston to Chicago. Rudolf Diesel in Germany describes diesel engine.	AD 1893
NC 11895	first public showing of motion picture in Paris, France. Guglielmo Marconi in Italy transmits wireless telegraph signal.	AD 1895
NC 11897	Karl Braun in Germany invents cathode-ray tube oscilloscope.	AD 1897
NC 11898	Valdemar Poulsen invents magnetic wire recorder, precursor of modern tape recorder.	AD 1898
NC 11901	Porsche produces a serial hybrid vehicle, electric motor powered wheels charged by a gas engine.	AD 1901
NC 11902	Willis Carrier in United States invents air conditioning.	AD 1902
NC 11903	Wright Brothers make first powered airplane flight in North Carolina at Kittyhawk, for a distance of 40 m. Massachusetts issues first automobile license plates. first Pacific cable from San Francisco to Honolulu is completed.	AD 1903
NC 11905	rotary telephone dialing is introduced by AT&T.	AD 1905
NC 11906	first radio programs broadcast around world. Thomas Edison invents cameraphone synchronizing projector and phonograph. Eugene Laust patents sound-on-film process. Alberto Santos-Dumont of Brazil flies a self-powered airplane in France for a distance of 220 m.	AD 1906
NC 11907	Lee De Forest in New York begins first studio radio broadcasts. first practical color photo process, patented by Auguste and Louis Lumière, becomes available to the public.	AD 1907
NC 11908	Henry Ford in United States introduces first affordable automobile.	AD 1908
NC 11909	Leo Baekeland patents Bakelite plastic.	AD 1909
NC 11911	Charles Kettering invents electric ignition for automobile.	AD 1911
NC 11912	heterodyne circuit for improving radio reception invented. biochemists Elmer McCollum and Marguerite Davis isolate vitamin A. Albert Howell develops process for mass producing motion pictures. Grover Loening in United States invents seaplane.	AD 1912
NC 11913	assembly line process is developed at Ford Motor Company. Albert Berry makes first parachute descent from airplane over Jefferson Barracks, MO for the US Army. first modern planetarium, a 5 m dome capable of displaying 4500 stars, is constructed in Munich.	AD 1913
NC 11914	construction of Panama Canal, linking the Atlantic and Pacific oceans, is completed. world's first red-green traffic lights are installed in Cleveland, Ohio. an air-cooled airplane engine developed by Charles Lawrence makes long distance flight possible.	AD 1914
NC 11915	long distance telephone service introduced between New York and San Francisco. first transatlantic telephone communication is transmitted between Virginia and Paris. Ford Motor Company produces its 1 megath (1 000 000 th) car.	AD 1915
NC 11916	Elmer McCollum isolates vitamin B. mechanical windshield wipers introduced.	AD 1916
NC 11917	Clarence Birdseye develops freezing as process for preserving food. Edwin Armstrong invents superheterodyne circuit to be used for design of amplitude modulation (AM) radios.	AD 1917
NC 11919	first transatlantic airplane flight is completed from Newfoundland to Lisbon. Otter Tail Power Company constructs electrical power lines for farms near Herman, Minnesota.	AD 1919
NC 11920	Leon Theremin in the Soviet Union invents first electronic instrument, the theremin.	AD 1920
NC 11922	first sound-on-film productions are shown in Berlin. William Stout develops first completely metal aircraft. New York station WEAJ broadcasts radio commercials.	AD 1922
NC 11923	Red Wing electrification project in Minnesota constructs a rural electrical line, among the first in the world, thereby making electrical service available to farmers. Jacob Schick invents electric razor, obtaining patent in NC 11928.	AD 1923
NC 11924	Vladimir Zworykin in United States develops iconoscope, beginning of modern television. RCA transmits photographs by radio from New York City to London, taking about 17 millichrons (about 25 minutes) per photo. two US Army planes complete first flight around world.	AD 1924
NC 11925	first commercial phonograph records developed by Bell Telephone Laboratories and released by Victor Records. John Baird in United Kingdom transmits first moving television image.	AD 1925
NC 11926	transoceanic telephone cable service emerges. Francis Davis patents power steering, a system that becomes available to consumers in NC 11951. Robert Goddard launches first liquid-fueled rocket.	AD 1926
NC 11927	an "iron lung" device for mechanical artificial respiration is created at Harvard University. Charles Lindberg completes first nonstop solo transatlantic flight from New York to France, covering more than 5700 km in just under 1.4 days. the Holland Tunnel under the Hudson River connects New York and New Jersey. a feature-length motion picture with sound, <i>The Jazz Singer</i> , is released.	AD 1927
NC 11928	Alexander Fleming in United Kingdom discovers penicillin. Ford Motor Company produces last Model T automobile.	AD 1928
NC 11929	Robert Goddard in United States launches first instrumented, liquid-fueled, rocket. General Electric's WGY in New York broadcasts first scheduled television service: three transmissions a week totalling one and one-half hours. various credit cards issued by individual firms such as oil and hotel chains to customers.	AD 1929
NC 11930	Frank Whittle in United Kingdom patents jet engine. a Basic English Vocabulary of 850 words is established by C.K. Ogden as a language learning resource.	AD 1930
NC 11931	Ernst Ruska in Germany builds first electron microscope.	AD 1931
NC 11932	biochemist Charles King isolates vitamin C.	AD 1932
NC 11933	a Boeing 247 airliner begins service. stereophonic sound demonstrated.	AD 1933
NC 11934	Chrysler Motors produces a one-piece curved windshield, and introduces the Airflow streamlined automobile. Wallace Carothers in United States invents nylon, first marketed in NC 11938.	AD 1934
NC 11935	Robert Watson-Watt in United Kingdom begins development on radar. Mayo Clinic in Minnesota establishes first bloodbank. first artificial heart developed. biochemists Herbert Evans and Oliver and Gladys Emerson isolate vitamin E. vitamin K is isolated by Henrik Dam and Edward Doisy. Leopold Mannes and Leopold Godowsky invent a Kodachrome film sensitive to three primary colors. world's first practical magnetic tape recorder, the KI is demonstrated by engineers of German electronics company AEG.	AD 1935
NC 11936	Douglas DC-3 transport airplanes are introduced.	AD 1936
NC 11937	construction is completed on the 1280 m Golden Gate Bridge in San Francisco. astronomer Grote Reber constructs radio telescope in United States. Frank Whittle builds first practical jet engine. Walt Disney releases first feature length animated film, <i>Snow White and the Seven Dwarfs</i> .	AD 1937
NC 11938	Chester Carlson demonstrates xerography process of photocopying, brought to practical product form in NC 11959. the plastic Teflon is produced by Du Pont.	AD 1938
NC 11939	John Atanasoff built first electronic digital computer. Paul Müller in Switzerland discovers insecticide DDT. Igor Sikorsky in United States designs and flies first helicopter for mass production.	AD 1939
NC 11940	Peter Goldmark in United States develops color television system. microwave radio links used for long-distance telephony. Boeing 307-B is first commercial plane with pressurized cabins. General Motors introduces automatic transmission for commercial automobiles.	AD 1940
NC 11941	solid-body electric guitar invented by Les Paul.	AD 1941
NC 11942	Enrico Fermi in United States builds first nuclear reactor. magnetic recording tape developed in Germany.	AD 1942
NC 11944	chemists William Doering and Robert Woodward in United States synthesize quinine.	AD 1944
NC 11945	Grand Rapids, Michigan and Newburgh, New York are the first American cities to fluoridate water supplies.	AD 1945
NC 11946	Eckert and Mauchly completed first programmed general-purpose electronic digital computer.	AD 1946
NC 11947	chemist Willard Libby in United States discovers method of carbon-dating. US Air Force captain Chuck Yeager pilots first supersonic flight in a US Bell X-1 rocket plane. Dennis Gabor in United Kingdom develops holography, first tape recorder for home use marketed. first microwave oven for public is sold. first multi-track recording, produced by Les Paul using wax discs, is distributed by Capitol Records.	AD 1947

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NC 11948	John Bardeen, Walter Brattain, and William Schockley in United States invent transistor. Edwin Land invents self-developing Polaroid camera. 33-1/3 rpm long-playing phonograph record invented.	AD 1948
NC 11949	number of homes with television sets exceeds 1 000 000. US Air Force pilots complete first non-stop flight around world.	AD 1949
NC 11950	Palomar Sky Survey, a mapping of entire sky from north celestial pole to 33 1/3 grad south, begins (and is completed in NC 11957). Diner's Club introduces first universal credit card. first kidney transplant performed in Chicago. US Atomic Energy Commission constructs first nuclear power reactor for power production.	AD 1950
NC 11951	3-D motion pictures are distributed.	AD 1951
NC 11952	John Mullin and Wayne Johnson demonstrate invention, the first videotape.	AD 1952
NC 11953	researchers at Sloan Kettering Institute of Cancer Research in New York find evidence of link between tobacco products and cancer.	AD 1953
NC 11954	polio vaccine is tested in mass trials by Jonas Salk. Texas Instruments introduces first practical silicon transistors. RCA produces color television sets and a video recorder for consumer use. The first nuclear-powered submarine, <i>The Nautilus</i> , is launched at Groton, Connecticut.	AD 1954
NC 11955	IBM introduces the IBM 752 business computer. caesium beam atomic frequency standard developed in United States by Essen and Parry.	AD 1955
NC 11956	first nonstop transcontinental helicopter flight from San Diego to Washington DC is completed. IBM team led by John Backus develops first computer-programming language, FORTRAN.	AD 1956
NC 11957	Gordon Gould develops basic idea for laser, which is finally patented in NC 11986 after long struggle.	AD 1957
NC 11958	first completely transistorized computer, developed by Seymour Cray, is introduced by Control Data Corporation. Ampex develops first color video recorder. stereophonic phonographs debut.	AD 1958
NC 11959	Xerox produces first commercial copier. microchip invented independently by Jack Kilby and Robert Noyce. Soviet interplanetary station <i>Luna 3</i> transmits interplanetary fax images of the dark side of Earth moon Luna. Bank of America, later to establish VISA, introduces first bank credit card. Normark in Minnesota becomes first and exclusive US distributor of Rapala fishing lures developed in Finland since NC 11936.	AD 1959
NC 11960	first electronic wristwatch, the Bulova Accutron, is introduced. first communications satellite, the <i>Echo 1</i> , and first navigational satellite, the TRANSIT 1B, are launched.	AD 1960
NC 11962	biologist Rachel Carson's environmentalist book <i>Silent Spring</i> criticizes uses of pesticides.	AD 1962
NC 11963	first artificial heart device used during surgery. DEC introduces PDP-8 minicomputer. US Post Office introduces five-digit ZIP codes. Touch-tone telephones and telephone service introduced by AT&T.	AD 1963
NC 11964	Xerox introduces long-distance xerography, or facsimile machine. FM stereo emerges as a radio broadcasting standard. US Surgeon General issues a report connecting cigarette smoking to lung cancer. John Kemeny and Thomas Kurtz invent BASIC computer language. Boeing 727 airliner seating 145 is introduced.	AD 1964
NC 11965	US congress legislates health warning labels for cigarette packages. Ralph Nader publishes <i>Unsafe at Any Speed</i> , calling for more safety in the design of automobiles. IBM introduces the IBM 360 computer built with integrated circuits.	AD 1965
NC 11966	heart surgeon Michael De Bakey implants first artificial heart in human.	AD 1966
NC 11968	front-seat shoulder belts become mandatory equipment for automobiles in United States. mouse computer interface peripheral is developed.	AD 1968
NC 11969	American astronauts land on the moon. biochemist Jonathan Beckwith and colleagues are first to isolate a single gene. ARPANET, precursor of Internet, commissioned by United States Department of Defense.	AD 1969
NC 11970	Venera 7 lander launched by Soviet Union lands on surface of planet Venus. Pan Am introduces first jumbo jet service with a Boeing 747 seating 409 passengers. Lexitron introduces a word processing computer.	AD 1970
NC 11971	Raymond Damadian applies for patent for magnetic resonance imaging (MRI) scanner. Bell Telephone introduces Picturephone. direct-dial telephone service introduced between areas of United States and Europe. Texas Instruments develops first pocket calculator. Intel introduces first microprocessor consisting of several integrated circuits on a single silicon chip. Caterpillar Tractor Company develops a 'Caterpillar English' vocabulary of 900 words to prepare product documentation for worldwide distribution.	AD 1971
NC 11972	UTC timescale for civil timekeeping established. US Surgeon General issues report warning about dangers of second-hand smoke on nonsmokers. first film-less digital camera is patented by Texas Instruments.	AD 1972
NC 11973	international connections established to ARPANET. CAT scanner is developed.	AD 1973
NC 11974	United States launches weather satellite in synchronous orbit. physician Henry Heimlich demonstrates Heimlich maneuver for emergency treatment of choking victims. Altair personal computer is developed.	AD 1974
NC 11975	VCRs first marketed.	AD 1975
NC 11976	two Viking spacecraft land on Mars. Wang Laboratories introduces office work stations connected to central computers. business use of FAX machines begins.	AD 1976
NC 11977	Apple Computer introduces Apple II personal computer.	AD 1977
NC 11978	AT&T Bell labs develops cellular phones. VisiCalc introduces a spreadsheet application for personal computers. first of ten GPS Block I satellites is launched by United States.	AD 1978
NC 11979	USENET established. Douglas Aircraft Company develops a controlled vocabulary of 2000 words for the preparation of technical manuals.	AD 1979
NC 11980	prototype for IBM 801 minicomputer, first RISC (reduced instruction set computer), is completed. Post-It Notes marketed by 3M. automatic teller machines introduced as new way of banking. Cable News Network (CNN) begins operations in Atlanta, Georgia.	AD 1980
NC 11981	NASA launches first space shuttle mission. BITNET established. Minitel is deployed in France by French Telecom. an IBM personal computer with a Microsoft disk-operating system (MS-DOS) is introduced.	AD 1981
NC 11982	Internet established.	AD 1982
NC 11983	compact disc sound systems and recordings first marketed. computer floppy discs marketed. Apple introduces Lisa personal computer featuring pull-down menus and a mouse. IBM PC-XT personal computer introduces first hard drive. declassification of NAVSTAR by United States makes GPS available for use by civilians.	AD 1983
NC 11984	Apple Computer markets the Macintosh computer. number of Internet hosts exceeds 1000. IBM introduces a 1 Mib RAM chip. auto-focusing cameras emerge.	AD 1984
NC 11985	Bell Laboratories develops an optical fiber that can transmit 300 000 telephone calls simultaneously. desktop publishing emerges.	AD 1985
NC 11986	National Science Foundation takes over administration of Internet. French video company Captain Paris is first to commercially produce High-Definition Television (HDTV) programming. Core module of Mir Space Station is launched by Soviet Union. IBM OS/2 operating system enables personal computers to run several programs at once. world's first megapixel sensor for producing a 1.4 megapixel image is developed by Kodak. Dr. Benjamin Carson of John Hopkins University pioneered the first intrauterine surgical procedure to relieve pressure on the brain of a hydrocephalic fetal twin.	AD 1986
NC 11987	European Economic Community releases ISO 9000 international quality standards. number of Internet hosts exceeds 10 000.	AD 1987
NC 11989	Intel introduces supercomputing capability for microcomputers with an 8086 chip with up to 1 mega transistors. number of Internet hosts exceeds 100 000. CompuServe begins first commercial Internet service. first of GPS Block II satellites is launched.	AD 1989
NC 11990	NASA launches Hubble Space Telescope. World-Wide-Web on Internet developed. Digital Audio Tape (DAT) compact-disc quality digital recording and playing format is marketed. NAVSTAR GPS becomes operational. French TGV train runs at speed of 123.6 m so (515 km/h).	AD 1990
NC 11991	Internet Gopher developed by the University of Minnesota. Nikon F-3 digital camera equipped with a Kodak 1.3 megapixel sensor is marketed.	AD 1991
NC 11992	number of Internet hosts exceeds 1 000 000.	AD 1992
NC 11994	a 50 km Channel Tunnel between England and France opens.	AD 1994
NC 11995	BBC launches digital audio broadcasting service to about 20 percent of population in United Kingdom. Genetic sequencing of first free-living organism, <i>Haemophilus influenzae</i> , is completed. United States Air Force Space Command declares the Block II NAVSTAR GPS constellation fully operational.	AD 1995
NC 11996	wireless Personal Communication Systems (PCS) marketed in United States. Nokia produces first smartphone with an open operating system.	AD 1996
NC 11997	Digital Versatile Disc (DVD) media storage technologies marketed, capable of storing feature length movies with various language and caption options on one CD-like disc.	AD 1997
NC 11998	orbital construction of International Space Station begins. Akashi-Kaikyo Bridge, world's longest bridge with a length of 3911 m and a maximum span of 1991 m, opens to traffic in Japan.	AD 1998
NC 11999	music listening and distribution is revolutionized by MP3 audio format.	AD 1999
NC 12000	Öresund bridge links Denmark and Sweden with a 4 km tunnel, a 4 km artificial island, and an 8 km bridge across an international shipping channel. Genetic sequencing of insect <i>Drosophila</i> is published. First genetic sequencing of a plant, <i>Arabidopsis thaliana</i> , is completed.	AD 2000
NC 12001	Dean Kamen in United States introduces world's first electric-powered, self-balancing human transporter. New York Stock Exchange, the last world stock market to use fractional pricing for transactions, changes to system of decimal pricing.	AD 2001

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NC 12002	Falkirk Wheel in Scotland raises and lowers vessels 35 m, connecting canals between Edinburgh and Glasgow.	AD 2002
NC 12003	Apple Computer and IBM introduce first desktop computer with a 64-bit processor; maglev train reaches speed of 139.4 m/s (581 km/h).	AD 2003
NC 12004	NASA Hyper-X program to explore alternatives to rocket-powered flight sets two speed records: the first a flight reaching Mach 6.8 (more than 1900 m/s), and the second a flight reaching Mach 9.6 (more than 2700 m/s) at an altitude of more than 34 800 m, private group building <i>SpaceShipOne</i> wins X Prize for the safe launch and return of a manned rocket flight reaching an altitude of 100 km.	AD 2004
NC 12005	several solar power initiatives prepare to meet or supplement needs for renewable energy in many regions of the world. NIST-F1 cesium fountain atomic clock attains accuracy of about $5 \times 10^{-16}$ (accurate to the tikochron for more than 50 megalennia).	AD 2005
NC 12006	genome for the <i>Apis mellifera</i> honey bee, sequenced from early 12003, counts 10 157 known genes.	AD 2006
NC 12007	TGV reaches speed of 138.0 m/s (574.8 km/h). Xcel Energy in Minnesota harnesses 1000 MW of wind power capacity, Kyocera Solar builds 96.4 kW photovoltaic generator atop Children's Museum of San Diego. Port of Oakland installs 756 kW solar power system. second GLOBE (Global Learning and Observations to Benefit the Environment) at Night project, gathered 8491 measurements of light pollution from 60 countries. US National Parks adapt lights to reduce light pollution. Apple Inc. launches iPhone smartphone with touchscreen interface.	AD 2007
NC 12008	Bahrain World Trade Center integrates large wind turbines between two skyscrapers. a composite bridge beam designed by John R Hillman holds more load with much less mass. Speedo introduces the fastest full-body swimsuit yet at the Olympic games in Beijing.	AD 2008
NC 12009	more than 200 residential-scale fuel cells are deployed in United States by ClearEdge Power.	AD 2009
NC 12010	United States Air Force experimental plane X-51A Waverider breaks record for hypersonic flight, flying at Mach 6 for more than 2 millichron (more than 3 minutes), companies including Federal Express, Coca-Cola Refreshments, Adobe Systems, and Albertsons deploy fuel cell energy.	AD 2010
NC 12011	the last of the remaining IPv4 Internet addresses (a 32 bit address space, $2^{32}$ , or more than $4.2 \times 10^9$ ) are allocated to regional Internet registries, as network organizations prepare to deploy a much larger array of IPv6 Internet addresses (a 128 bit address space, $2^{128}$ , or more than $3.4 \times 10^{38}$ ).	AD 2011
	a technology timeline continues.	