

THE CENTER FOR CRYPTOLOGIC HISTORY

2025

C A L E N D A R











FRONT COVER: During World War II, the U.S. Army employed thousands of women in cryptology, both uniformed personnel and civilians. In this photo after a parade march, the flag is presented.



BACK COVER: The U.S. Navy also recruited thousands of women to serve in uniform as cryptanalysts in World War II as seen in this photo of the Watch Office, Naval Security Station, Nebraska Avenue, District of Columbia, in May 1945.



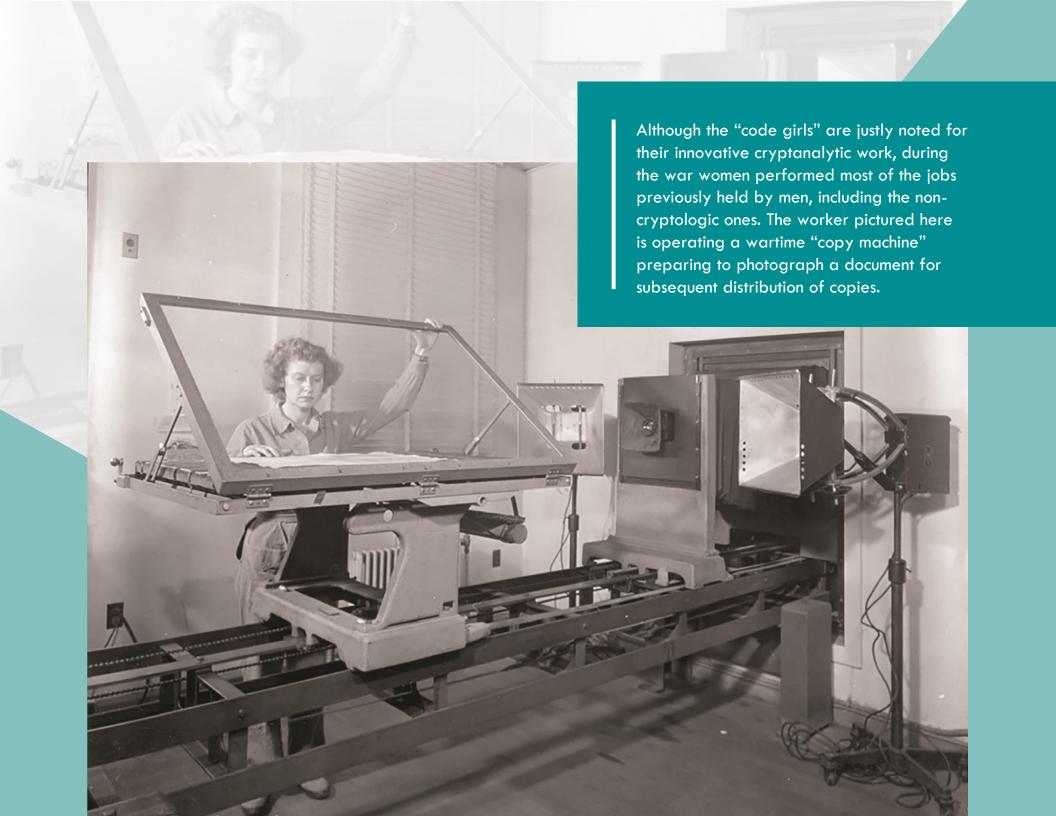
#### **JANUARY**

S U N DAY	M O N DAY	T U E S DAY	W E D N E S DAY	T H U R S DAY	FRIDAY	S AT U R DAY
			U.S. Army Intelligence and Security Command (INSCOM) established, 1977	2 NSA Office of Policy first mandated use of term "Service Cryptologic Element," 1980	3 NARA assigned Record Group 457 (now "Records of the National Security Agency") to declassified NSA records, 1977	4 Major General Gordon Blake named Commander, Air Force Security Service, 1957
5 Lieutenant (later Captain) Laurance Safford named OIC, U.S. Navy Cryptographic Branch, 1924	6 First successful transmission on Morse-Vail telegraph across two miles of wire, 1838	7	8	Jerzy Rozycki, a Polish Cipher Bureau mathematician who helped break Enigma, died in a ship sunk off France, 1942 Louis Tordella, longest serving D/DIR (1958-1974), died, 1996	U.S. intercepted cable from Napoleon III of France to Mexico revealing French position on status of Emperor Maximilian in Mexico; contributed to lessening of US-French tensions over Mexico, 1866	11
12	First History Today article appeared on NSA Daily Page, 2003	BRUSA Agreement-U.S.—UK COMINT relationships during World War II—signed, 1944 Brigadier General Bernard Ardisana, USAF, NSA's first Assistant Deputy Director of Operations, died on active duty, 1978	15	General Order No. 9 authorized publication of a new War Department Telegraphic Code, 1898 Operation DESERT STORM began, 1991	17	18 Alfred Vail, co-inventor of the telegraph, died, 1859
19 Encoded Zimmermann Telegram sent by the Germans and intercepted by the British, 1917 U.S. cryptologic pioneer Abraham Sinkov died, 1998	20  Martin Luther King, Jr., Day, Observed	21	22  National Security Decision Directive 298 made DIRNSA responsible for interagency OPSEC training, 1988	23 Intelligence chiefs of U.S. Army and Navy established list of eligible readers of "Magic" intercept, 1941 North Koreans captured USS Pueblo, 1968 Dr. David Kahn, author of The Codebreakers, died, 2024	24  WWI Naval Battle of Dogger Bank was a British cryptologic failure but the Germans sustained greater losses, 1915	25 Navy EA-3B recon aircraft crashed, Mediterranean Sea, 1987
26	Paris Peace Accords signed- end of U.S. involvement in Vietnam War, 1973 Church Committee began investigation of U.S. Intelligence Community, 1975	28	29  New Zealand warship captured Japanese submarine I-1, seizing multiple copies of JN-25 codebooks, 1943	30	31 The Federal Register published details for the Secure Hash Algorithm (SHA), 1992	



#### **FEBRUARY**

S U N DAY	M O N DAY	T U E S DAY	WEDNESDAY	T H U R S DAY	FRIDAY	S AT U R DAY
USAFSS began operations in South Vietnam with the arrival of Team 1A, 6920th Security Wing, at Da Nang, 1962 Gen Timothy D. Haugh, USAF, sworn in as Commander, USCYBERCOM, and Director, NSA/Chief, CSS, 2024	3 Intercept operations began at Phu Bai, which became the largest U.S. site in South Vietnam, 1963	Joseph Ream hired as first civilian deputy director of NSA, 1957	Colossus activated by Bletchley Park, 1944 USAF EC-47 (callsign Baron-52) shot down over Laos. Eight crew members, including four cryptologic technicians, perished, 1973	Genevieve Young Hitt, early U.S. female cryptologist, died, 1963	7 The U.S. Navy's OP-20-G moved to Nebraska Avenue, 1943	German spy Lothar Witzke arrested carrying a coded message, 1918 German Navy introduced 4-rotor Enigma for U-Boats, 1942 SIS began VENONA project, 1943 USAFSS received its first cryptologic units from the ASA, 1949  8 First Americans visited Bletchley Park, beginning U.SUK cryptologic cooperation during World War II, 1941
9 Enigma introduced into German Navy as Radio Key C, 1926	Establishment of the 805th Signal Service Company for operation of the SIGSALY, 1943 Edward Hebern, developer of an electric coding and decoding machine, died, 1952	11	12 Signing of King-Marshall Agreement—established role of Army/Navy COMINT liaison officers in Pacific Theater, 1944	13	14	15 The ENIAC computer began operating, 1946
16	17 National Security Council Intelligence Directive 6 established Central Security Service (CSS), 1972  Washington's Birthday, Observed	18	19	U.S. government seized cryptologist Herbert O. Yardley's tell-all memoir, Japanese Diplomatic Secrets, 1933 Japan commenced operational use of the Purple machinegenerated diplomatic cryptosystem, 1939	21 Sarah G. Bagley became first female telegrapher, Lowell, MA, 1846 Ribbon-cutting ceremony for National SIGINT Operations Center (NSOC), 1973	22 Dedication of Memorial Wall in OPS2B, honoring those cryptologists who sacrificed their lives, 1996
23 Radio Act of 1927 prohibited radio intercept in U.S., 1927 Lieutenant General Kenneth Minihan, USAF, became DIRNSA, 1996	24 Captain Thomas Dyer, USN, became first NSA Historian, 1954 Claude Shannon, pioneer in cryptologic theory who led the digital revolution, died, 2001	25	26 NSA-sponsored exhibit opened at Smithsonian, 1981	27	28 President Wilson informed of the contents of the Zimmermann telegram, 1917	



# **MARCH**

S U N DAY	M O N DAY	T U E S DAY	W E D N E S DAY	T H U R S DAY	FRIDAY	S AT U R DAY
						German ADFGVX cipher first used, 1918 First hire at SIS, Annie Louise Newkirk, cryptographic clerk, began work, 1930 U.S. Army aerial reconnaissance UH-1 lost, Vietnam, 1971
2 Cryptologic pioneer Colonel Parker Hitt, USA, died, 1971	Congress authorized a regular Signal Corps for the duration of the Civil War, which eventually employeed 2,900 officers and enlisted men, 1863	William Friedman testified before a Senate committee investigating the Teapot Dome scandal, 1924 U.S. Army aerial reconnaissance RU-8 shot down, Vietnam, 1971 STONEHOUSE site in Ethiopia officially closed, 1975	5 Station HYPO began reading Japanese system JN-25, 1942 BRUSA Communications Intelligence Agreement furthered U.SUK partnership after World War II, 1946	6	Realignment of 509th Radio Research Group ended ASA's 12-year presence in South Vietnam, 1973	8 "Direct" SIGINT support to tactical air control center began on Cho Do (island) during the Korean War, 1953 Lieutenant General Ralph J. Canine, USA, first DIRNSA, died, 1969
9 USAF aerial reconnaissance EC-47 lost, Vietnam, 1967	First successful voice transmission over Alexander Graham Bell's telephone, 1876 Establishment of Radio Intelligence Service, Mexican border, 1918	U.S. Navy cryptologic organization redesignated OP- 20-G, 1935 Evacuation of Station CAST from Manila Bay, 1942	12 AFSA Training Branch established, 1951	13 DIRNSA approved a barbershop and drug store for NSA Fort Meade, 1957	14 Seoul, South Korea, recaptured by UN forces, 1951	CREAM replaced ULTRA as the codeword for top secret cryptologic material, 1946 USAF aerial reconnaissance RC-135 crashed at Shemya AFS, AK, 1981
16	Algorithim details for a data encryption standard published in the Federal Register, 1975	NSA implemented the COVID Code Yellow plan, an alternate work schedule that conformed to CDC recommendations for social distancing, 2020	Horst Feistel received a patent for "Block Cipher Cryptographic System," an encryption scheme that laid the foundation for the Data Encryption Standard, 1974 Operation Iraqi Freedom began, 2003	General Alfred M. Gray, USMC, founder of modern Marine Corps SIGINT and later 29th commandant of the Marine Corps, died, 2024	21	ASA flew first airborne radio direction-finding mission in Vietnam, 1962
Agreement for the direction and support of COMINT operating activities of U.S. Navy signed by director of naval comms and AFSA director, 1951  30 Chief Signal Officer MG Mauborgne permitted to perform intercept and cryptologic services for peacetime training and national defense, 1938	Geoffrey Stone, member of Presidential Review Group created in the wake of the Snowden leaks, spoke at NSA, 2014	25	26 First description of Playfair cipher, the first to encrypt pairs of letters, recorded; later used in Second Boer War and World War I by the British, 1854 Lieutenant General Michael Hayden, USAF, became DIRNSA, 1999	27 Most NSA professionalization programs terminated, 2000	28 Griffiss Air Force Base found packet-sniffing malware in its Rome, NY, labs network, 1994	29



# **APRIL**

S U N DAY	M O N DAY	T U E S DAY	WEDNESDAY	T H U R S DAY	FRIDAY	S AT U R DAY
		1	2	3	4	5
		Frank Rowlett reported to SIS to work for William Friedman, 1930 Lieutenant General Lincoln D. Faurer, USAF, became DIRNSA, 1981	Samuel Morse, co-developer of telegraph and developer of the eponymous telegraph code, died, 1872 Admiral Michael S. Rogers, USN, became Commander, USCYBERCOM and Director, NSA/Chief, CSS, 2014	Bell Labs completed the first hand-held cell phone call, 1973	Secretary of War transferred cryptologic functions from the Military Intelligence Division to the Signal Corps; created the Signal Intelligence Service with William Friedman as its head, 1929	Captain Georges Painvin of the French Cipher Bureau solved the first key for the ADFGVX cipher, 1918
6	7	8	9	10	11	12
The United States entered World War I, 1917 First break into the Japanese Water Transport Code, 1943	The Yamato, a 72,000-ton Japanese battleship, sunk off Okinawa in large part because of SIGINT tipoffs, 1945	Navy PB44-2 shot down, Baltic Sea, 1950			Abraham Sinkov reported to SIS to work for William Friedman, 1930	
water Transport Code, 1943	IBM introduced the System/360 mainframe computer, which was developed from NSA's HARVEST computer, 1964					
13	14	15	16	17	18	19
FRUPAC intercepted encoded itinerary of Admiral Yamamoto Isoroku's upcoming tour of the Solomon Islands, enabling his shootdown five days later,	Der Spiegel reported on what might have been the first case of computer espionage, an operation run against IBM's West German affiliate from East Germany, 1969	Central Bureau established in Australia to provide General Douglas MacArthur's Southwest Pacific Theater with COMINT, 1942	Clinton administration proposed "Clipper Chip" key escrow method for telephone security, 1993	COMINT intercepts revealed Japanese plans to attack Port Moresby, allowing Allied defense, 1942 Bay of Pigs landing in Cuba,	Shootdown of Admiral Yamamoto by U.S. forces, 1943 NSA experts spoke in public for the first time on computer security at the Spring Joint Computer Conference in	Confederate Signal Corps established, 1862
1943	hast dermany, 1909	Navy EC-121 shot down by North Korean MiGs, Sea of Japan, 1969		1961	Atlantic City, 1967	
20	21	22	23	24	25	26
	Louis Tordella retired as D/DIR, 1974	Solomon Kullback reported to SIS to work for William Friedman, 1930				U.S. Senate issued the Church Committee report, 1976
		General Douglas MacArthur, USA, based on COMINT reports, attacked Hollandia, New Guinea, deep behind enemy lines, 1944				
27	28	29	30			
DEFSMAC (originally the Defense Special Missile and Astronautics Center) established, 1964		SECAF approved women for duty on EC-130 aircraft, 1985	SecDef authorized the establishment of a National Cryptologic School at NSA, 1965			
Estonia suffered mass cyber attack, 2007						



In the 1920s, the period of Prohibition, the U.S. Coast Guard struggled to suppress rumrunners along thousands of miles of coastline. Elizebeth Friedman, the Treasury Department's leading cryptanalyst who solved the smugglers' encrypted messages, is pictured here on her way to court in 1934. Her story became the stuff of national newspapers when she testified against the smuggling rings and explained their encrypted messages to the jury.



S U N DAY	M O N DAY	TUESDAY	WEDNESDAY	T H U R S DAY	FRIDAY	S AT U R DAY
				1	2	3
				GC&CS activated Heath Robinson Machine (predecessor to Colossus), 1943		Colonel Ralph H. Van Deman became Chief, Military Intelligence Branch, 1917
				U-2 recon plane shot down over Soviet Union, 1960 President George H.W. Bush		
				visited NSA, 1991		
4	5	6	7	8	9	10
The first 29 of roughly 400 Navajos to be trained as codetalkers reported to Fort Defiance, AZ, 1942	Battle of the Coral Sea, set up by COMINT, began, 1942		The 837th Signal Security Detachment, the first U.S. SIGINTers sent to Australia, arrived, 1942	VE Day, end of war in Europe, 1945 Lieutenant General William Odom, USA, became		Elizebeth Friedman appointed as cryptanalyst in the Bureau of Prohibition, 1927
GEN Paul M. Nakasone, USA, became Commander, USCYBERCOM and Director, NSA/Chief, CSS, 2018				DIRNSA, 1985		U.S. Senate established information security as U.S. government responsibility, 1933
11	12	13	14	15	16	17
Colony 7 complex, site of the National Cryptologic Museum, acquired for NSA, 1990		First Japanese linguist, John Hurt, hired by SIS, 1930 ASA began its service in South Vietnam with the arrival of the Third Radio Research Unit at	WAAC (Women's Army Auxiliary Corps) established, 1942 Center for Computer Assistive Technology opened, 1992	National Bureau of Standards (in cooperation with NSA) began solicitation for a government-wide data encryption standard, which was	Captain Laurance Safford, USN, founder of U.S. naval cryptology, died, 1973	System Development Corp. in Santa Monica, CA, convened private, academic, and DoD experts to discuss problems in computer security, 1965
		Tan Son Nhut Air Base in Saigon, 1961	reciniology opened, 1992	adopted 3½ years later, 1973		Electronic Security Command took over USAF COMSEC mission, 1985
18	19	20	21	22	23	24
The term "Signals Intelligence" (SIGINT) is formally defined by the National Signals Intelligence Committee (SIGCOM) as a combination of COMINT and ELINT, 1962	U.S. State Department approved creation of Cipher Bureau ("Black Chamber"), 1919	Armed Forces Security Agency (AFSA) created, 1949 Sergeant Trista L. Moretti Complex at NSA Texas dedicated, 2011	William Friedman and Elizebeth Smith married, 1917 U.S. Cyber Command established at Fort Meade, with DIRNSA dual-hatted as its commander, 2010	Death of Friedrich W. Kasiski; developed solution for polyalphabetic ciphers, 1881 Vice Admiral J. Michael McConnell, USN, became DIRNSA, 1992	The NSC requested implementation plan for Washington Protected Communications Zone and Executive Secure Voice Network in response to the Soviet intercept threat, 1975	"What hath God wrought," first telegraph message, sent from Baltimore to Washington, 1844
25	26	27	28	29	30	31
	Prime Minister Baldwin revealed in Parliament that the British government had intercepted and decrypted Soviet telegrams proving Soviet espionage conducted by the All-Russian Cooperative Society (ARCOS), 1927  **Memorial Day**				SecDef delegated authority to DIRNSA to accept gifts of documents, records, and equipment for research, display, or museum purposes, 1980	Rum-running trial against Consolidated Exporters Corp. began with Elizebeth Friedman's cryptanalysis of company's encoded messages, 1933



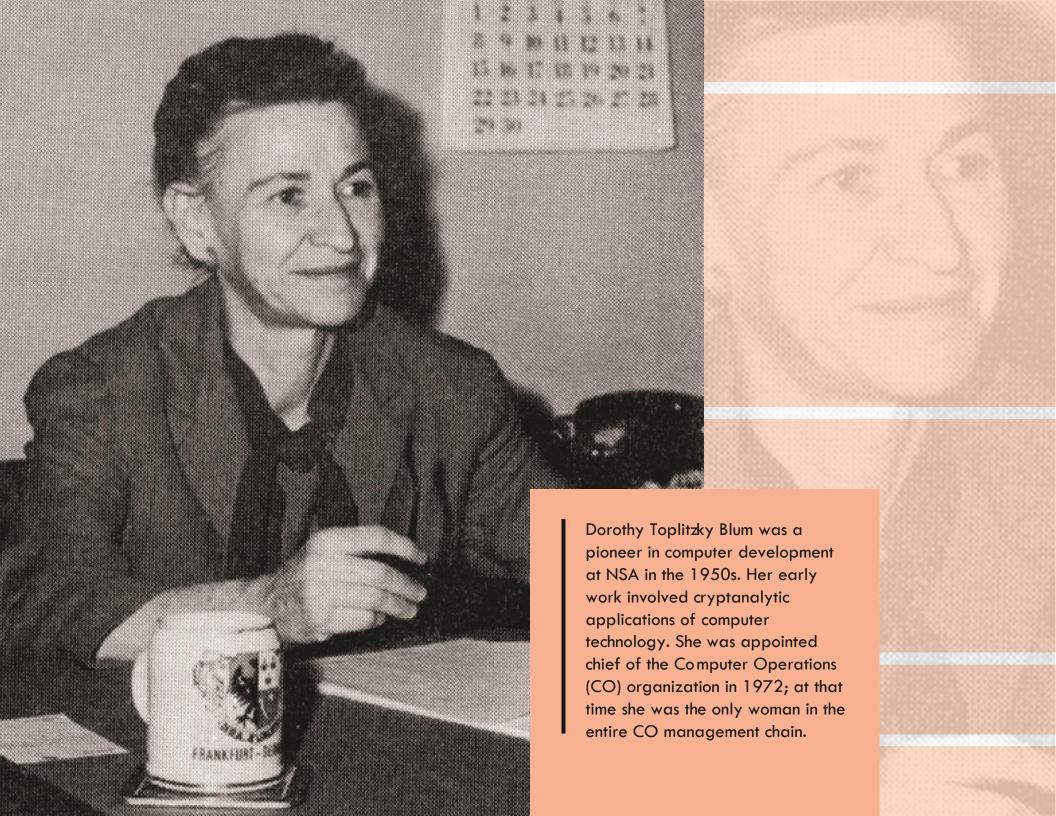
# **JUNE**

S U N DAY	M O N DAY	T U E S DAY	WEDNESDAY	T H U R S DAY	FRIDAY	S AT U R DAY
Jargon code message announcing impending D-Day invasion intercepted and recognized by the German 15th Army but ignored at higher headquarters, 1944 Lieutenant General Marshall Carter, USA, became DIRNSA, 1965	Travis Trophy presented to the United States, 1948 NSA's Marine Guards awarded the Meritorious Unit Citation, 1970 Judith A. Burgin Building dedicated at NSAW, 1984	3	4 Battle of Midway began, 1942 U-505, with trove of German cryptographic material and devices intact, became first enemy warship, since the War of 1812, captured by a U.S. Navy boarding party, 1944 President George W. Bush's first visit (of four) to NSA, 2002	5 Brigadier General Marlborough Churchill, USA, became Chief, Military Intelligence Division, 1918 USAF aerial reconnaissance RC-135 lost, Bering Sea, 1969	6 D-Day, 1944 Six-Day War began in the Middle East, 1967	Death of Alan Turing, famed British mathematician and cryptologist, 1954 Major General Joseph Mauborgne, USA, World War I Army Signal Corps Officer, WWII Chief Signal Officer, and an expert on codes and ciphers, died, 1991
8 The USS Liberty, a Navy/ NSA SIGINT collection ship, attacked by Israeli forces during the Six-Day War, 1967	Canada established its cryptologic bureau "Examination Unit," 1941 ELIGIBLE RECEIVER exercise showed DoD's vulnerability to cyber attacks, 1997	Establishment of U.S. Army Code and Cipher Section, MI-8, 1917	11 Herbert O. Yardley hired by Canada's National Research Council, 1941	Radio Intelligence Service of 1st Army, AEF, formed at Toul, France, 1918	Publication of Brownell Committee Report; laid foundation for establishment of NSA, 1952	14 Signal Intelligence Service (SIS) took possession of Arlington Hall, 1942 First NSA Family Day held with 25,000 visitors attending, 1975
15	16	17 Systems Development Corporation (SDC) hosted conference of private and government experts on computer security, 1965	18	Communications Act of 1934 signed by President Franklin D. Roosevelt, 1934 USSR and United States agreed on hotline between Moscow and Washington, 1963  Juneteenth Independence Day	20	Publication of first installment of the influential cryptologic story "The Gold-Bug" by Edgar Allan Poe, 1843  Special Intelligence (SI) definition updated to establish additional protections for sources, methods, or activities of SIGINT (defined as COMINT, ELINT, FISINT), 2022
22 GRAB, first SIGINT reconnaissance satellite, launched, 1960	Diffie and Hellman presented their idea for public-key exchange encryption, 1976 John J. Whitelaw Building dedicated at NSA Georgia, 2010	24 The "Potomac Code," first of the AEF "River" series of field codes, issued, 1918	25 Letters written by Hernán Cortés while in Mexico showed first known use of cryptography in New World, 1532 New NSA Headquarters building dedicated, 1966	26	27 Albert J. Myer, developer of flag signaling system code, appointed signal officer with rank of major, 1860	28 USS Liberty decommissioned, 1968 Commissioning of Coast Guard Cryptologic Group at NSA Fort Meade, 2007 CCH began independent publication of History Today feature, which has been in "press" since 2003, 2021
Allies realized the U.S. diplomatic code had been broken by the Germans, 1942 Frank Rowlett, American cryptologic pioneer, died, 1998	Two Rock Ranch, one of the West Coast monitoring stations during World War II, closed, 1971					



## **JULY**

S U N DAY	M O N DAY	T U E S DAY	WEDNESDAY	T H U R S DAY	FRIDAY	S AT U R DAY
		1	2	3	4	5
		At Elizebeth Friedman's urging, U.S. Coast Guard established a cryptanalytic section, 1931 Lt Gen Gordon Blake, USAF, became DIRNSA, 1962 USAF activated Air Force Cryptologic Office at Fort Meade, 1994 CIA public ceremony for VENONA declassification, 1995		Cryptographic Security Board established, 1945	Independence Day	General Order 8 issued by AEF in France, establishing headquarters organization that included a cryptographic and cryptanalytic branch, 1917 Vice Admiral Bobby Ray Inman, USN, became DIRNSA, 1977
6	7	8	9	10	11	12
		Arthur Scherbius received a patent for a cipher machine, now known as the Enigma, 1918 Arlington Hall Station made an official military intelligence post, 1942	First official public acknowledgment of NSA, 1957 The renovated, state-of-theart Friedman Conference Center reopened, 2018	NSA Civilian Welfare Fund established at NSA Fort Meade, 1956	First U.S. patent granted for a cipher device to Edward Hawley, for multiple alphabetic device, 1865 Signal Corps began first communications security monitoring in France, 1918	Lieutenant William Friedman reported to AEF G2A6, Chaumont, France, 1918
13	14	15	16	17	18	19
Washington Wong Building at NSA-Hawaii dedicated, 2016	NSA/CSS Cryptologic Archival program and position of NSA/CSS Archivist formally established by DIRNSA Inman, 1978	AFSA formally activated; RADM Earl E. Stone, USN, first Director, 1949 MG Ralph J. Canine, USA, named director, AFSA, 1951 House of Representatives established Permanent Select Committee on Intelligence, 1977 National Cryptologic Museum opened to NSA/CSS personnel, 1993	First WAAC personnel arrived at Arlington Hall Station, 1943	Mary, Queen of Scots, sent treasonous enciphered response to the Babington letter, 1586 American cryptologic pioneers Parker Hitt and Genevieve Young married, 1911	First current TUNNY traffic read at Bletchley Park, 1942	Army Signal Corps conference about establishing the Signal Intelligence Service held, 1929
20	21	22	23	24	25	26
Captain Joseph Rochefort, USN, a major figure in U.S. Navy cryptology in World War II, died, 1976	CRITIC reporting program initiated, 1958	Aaron Burr's "cipher letter" to General Wilkinson intercepted, leading to charges of treason against Burr, 1806 Patent issued to Gilbert Vernam for concept of machine encipherment, 1919	The GUNMAN Project discovered implants hidden in typewriters used in the U.S. embassy in Moscow, 1984		Meeting at Pyry, outside Warsaw, where Poland shared its successes against the Enigma with Great Britain and France, 1939	National Security Act passed, 1947 U.S. Congress began hearings on computer threats to privacy and the need for data encryption, 1966
27	28	29	30	31		
Office of Management and Budget Circular A-71, "Security of Federal Automated Information Systems," directed federal agencies to create computer security programs, 1978	First use of transatlantic telegraph cable, generated upsurge in commercial cryptography, 1866 U.S. Navy Code & Signal Section established, 1916	William Friedman received a patent for a device to transmit telegraphic messages quickly, the first of his eventual 30 patents, 1924  The Soviets shot down an RB-50G-2 near Vladivostok, Russia, 1953	WAVES (Women Accepted for Voluntary Emergency Service) established for the U.S. Navy, 1942	The "Wabash" field code issued, 1918 Agnes Meyer Driscoll discharged from U.S. Navy, 1919; retired from NSA, 1959		



#### **AUGUST**

S U N DAY	M O N DAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	S AT U R DAY
					1	2
					Louis Tordella became D/DIR, 1958 New DIRNSAs: VADM Noel Gayler, USN, 1969; Lt Gen Sam Phillips, USAF, 1972; VADM William Studeman, USN, 1988; LTG Keith Alexander, USA, 2005	Australian Coastwatchers sent coded message noting sinking of John F. Kennedy's PT-109, 1943 Iraq invaded Kuwait, 1990
3	4	5	6	7	8	9
The "Mohawk" field code issued, 1918	Prototype U-2 made its first test flight, 1955	Representatives of U.S., UK, and USSR signed Limited Nuclear Test Ban Treaty, 1963 American cryptologic pioneer Solomon Kullback died, 1994	The United States dropped atomic bomb on Hiroshima, 1945 World Wide Web was launched, 1991	American cryptologic pioneer Herbert O. Yardley died, 1958	First public appearance of DIRNSA before Congress. Lt Gen Lew Allen testified before the House's Pike Committee, 1975 The nation of Georgia suffered massive cyber attacks in conjunction with its border dispute with Russia, 2008	The United States dropped atomic bomb on Nagasaki, 1945
10	11	12	13	14	15	16
SecDef set the terms of reference for the Stone Board, which considered cryptologic reorganization after World War II, 1948	Hedy Kiesler Markey (better known as actress Hedy Lamarr) and George Antheil received a patent for a secret frequency-hopping communication system, 1942	The "Allegheny" field code issued, 1918 IBM introduced the IBM PC, 1981		Spy Velvalee Dickinson sentenced to ten years for providing intelligence to Japan via "Doll Code" steganography in messages, 1944 President Reagan declared this day Navajo Codetalkers Day, 1982	Japan announced its surrender to the Allies, 1945 Lieutenant General Lew Allen, Jr., USAF, became DIRNSA, 1973	First transatlantic exchange of telegraph communications occurred with congratulatory messages between Queen Victoria and President Buchanan, 1858
17	18	19	20	21	22	23
NSA Far East (Tokyo) established, 1953	USCYBERCOM is elevated to a unified combatant command for cyberspace operation, 2017			"House of 4 Hats" dining facility for NSA military opened (later, House of 5 Hats), 1974	Chinese fighters shot down U.S. Navy reconnaissance plane over Shengsi Islands, killing all 16 crew members, 1956	NSA responded to U.S. silver shortage in the 1960s by starting the NSA Silver Recovery Program to reclaim silver from scrap and waste, 1968
24	25	26	27	28	29	30
President Eisenhower approved the development of the GRAB satellite system, 1959  31  Key intercepts of Russian radio traffic allowed German Generals von Hindenburg and Ludendorff to encircle and crush Russian forces at Tannenberg, 1914	First meeting of the Stone Board; led to establishment of AFSA, 1948	American cryptologic pioneer Elizebeth Smith (Friedman) born, 1892 Russian Navy seized an undestroyed codebook from grounded German ship <i>Magdeburg</i> ; given to the British government, 1914		U.S. Navy established collection site at Otter Cliffs, ME, 1917		



## **SEPTEMBER**

S U N DAY	M O N DAY	T U E S DAY	WEDNESDAY	T H U R S DAY	FRIDAY	S AT U R DAY
	1	2	3	4	5	6
	The War Department Telegraph Code of 1919 was first used, 1921 First bombe shipped to Nebraska Avenue, 1943  Labor Day	Belligerents signed Japanese surrender aboard USS Missouri, 1945 RC-130 shot down while on recon mission, Armenia, 1958 Vigilance Park dedicated at NSA Fort Meade, 1997		First broadcast of the <i>Star Trek</i> episode "The Enterprise Incident," loosely based on the capture of the USS <i>Pueblo</i> , 1968	Palestinian terrorists killed 11 Israeli Olympic athletes and a German policeman in Munich, 1972	Winston Churchill visited Bletchley Park, 1941 NRO established, 1961
7	8	9	10	11	12	13
Boris Hagelin, inventor of Converter M-209 cryptodevice, died, 1983	A "computer bug" was first identified and named by Lieutenant Grace Murray Hopper, USN, 1947	The "Electronic Disruption Theater" mounted a denialof- service attack on the Pentagon's DefenseLink website, 1998	Genevieve Grotjan discovered the secret to unraveling the Japanese Purple machine, 1940 USAFSS-crewed RB-50 lost during a typhoon, 1956	Terrorist attack by al-Qaida organization on the Pentagon and World Trade Center, 2001 President Obama visited NSA and USCYBERCOM, 2015	U.S. offensive on the St. Mihiel salient, France, began, 1918 Elizebeth Friedman departed the Coast Guard, 1946	
14	15	16	17	18	19	20
	The Signal Security Agency reorganized as the Army Security Agency, 1945	First U.S. Intelligence Board meeting at NSA Fort Meade, 1966 American cryptologic pioneer Agnes Meyer Driscoll died, 1971	President Reagan's National Security Decision Directive-145 briefly gave NSA a role in securing data on federal computer systems, 1984	USAF Security Group established, 1947		Rivest, Shamir, and Adleman received a patent for the encryption algorithm RSA, 1983
Pirst NSA open house held, 1957 Operational move-in to Rochefort Building at NSA-Hawaii completed, 2012	22	23 British Major John Andre captured with treasonous ciphered letter from Benedict Arnold, 1780	American cryptologic pioneer William Friedman born, Kishinev, Russia (now Chisinau, Moldova), 1891 The "Colorado" field code issued, 1918	25	26 Hubert H. Humphrey visited NSA; first vice-presidential visit, 1967 President Reagan dedicated Operations Buildings 2A and 2B; first presidential visit to NSA, 1986	27 SIS issued first two translations based on the first solution of the Japanese Purple machine, 1940
28	29	30				
Department of Defense and Intelligence Community closed the Information Operations Technology Center (IOTC), 2004	USMC turned over responsibility for guarding NSA Fort Meade to Federal Protective Service, 1978	Edward Hebern received a patent for an electric coding machine, the first U.S. cipher machine to use a rotor, 1924 Lieutenant Colonel Frank Moorman, USA, chief of G2A6 during World War I, died, 1953				



## **OCTOBER**

S U N DAY	M O N DAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	S AT U R DAY
			The American "Black Chamber" began operations, 1919 AFSA assumed operational control of cryptologic activities, 1949	Signing of Holden Agreement regarding U.SUK naval COMINT responsibilities, 1942	U.S. Army and Navy agreed to "odd/even" day division of effort on Japanese diplomatic cipher, 1940	4
U.S. Army transferred Cryptographic Division School from Fort Monmouth, NJ, to Vint Hill Farms, VA, 1942	6 Yom Kippur War in Middle East began, 1973	7 USAF aerial reconnaissance RB-29 shot down by Soviet fighters over Sea of Japan, 1952 Operation ENDURING FREEDOM began, 2001	8	9 The FBI arrested Joseph Petersen, "NSA's first spy," at his home, 1954	10	Researchers used 400 linked computers to factor a 100-digit number, 1988
William Friedman awarded National Security Medal by Director of Central Intelligence Allen Dulles, 1955	13  Columbus Day	14 DIRNSA Hayden conducted first NSA "Seniors' Day" meeting, 2000	World War I trench code "Huron" issued, 1918 School at Vint Hill Farms renamed ASA School, 1946 Pendergrass report on use of computers in cryptology issued, 1946	President George W. Bush's Executive Order 13231 created the Committee on National Security Systems with NSA as a member, 2001	17 First commercial transatlantic wireless service began, 1907	18 Howard Engstrom appointed D/DIR, 1957
Charles Wheatstone, inventor of the Playfair cipher, died, 1875 Robert Lamphere, FBI, began collaboration with Meredith Gardner, SIS, on VENONArelated material, 1948	USAFSS established, 1948 NSC Directive 168 designated DoD as executive agent for all government COMSEC matters (DoD further delegated this duty to NSA), 1953 President's Foreign Intelligence Advisory Board reestablished, 1981	President Kennedy ordered naval quarantine of Cuba after intelligence discovered offensive missile sites on island, 1962	USAFSS deployed Emergency Reaction Unit to Key West, FL, for Cuban Missile Crisis, 1962	23 Terrorists destroyed the Marine compound in Beirut, killing 254, 1983	24 Influential Killian report on defense and intelligence submitted to President Eisenhower, 1957	25
Pirst combat employment of Native American codetalkers, 1918  National Cryptologic Museum recognized Dr. David Kahn for contributing his collection to the museum library, 2010	27 Senator Daniel Patrick Moynihan introduced bill that would create the Public Interest Declassification Board, 1999	President Lincoln approved establishment of Military Telegraph Department, 1861 Lambros Callimahos, noted NSA cryptanalyst and teacher, died, 1977	First U.S. intercept in France in World War I, 1917 First message sent on DoD-funded ARPANET, forerunner of the modern Internet, 1969	Center for Cryptologic History published <i>The Friedman</i> Legacy, containing transcripts of the famed "Friedman Lectures," 1992	31 Elizebeth Friedman died, 1980	



### **NOVEMBER**

S U N DAY	M O N DAY	T U E S DAY	WEDNESDAY	T H U R S DAY	FRIDAY	S AT U R DAY
						Britain's GC&CS established, 1919 COMINT station established on Guadalcanal, 1942 First NSA Newsletter published, 1953 National Cryptologic School becomes operational; first commandant is Frank Rowlett, 1965
2 William Friedman died, 1969	3	4 NSA established; Lieutenant General Ralph J. Canine, USA, became first DIRNSA, 1952	5 The Android mobile operating system debuted, 2007	6 The "Seneca" field code released, 1918 Captain Joseph Wenger, USN, became head of OP-20-G, 1944	7	8
9 Lieutenant General Ralph J. Canine, USA, first DIRNSA, born, 1895 Center for Cryptologic History established, 1989	10 First NSA Field Chiefs Conference, 1975 NSA designated a Combat Support Agency, 1988 DIRGRAM oo began the "100 Days of Change," 1999	11 Armistice signed ending World War I, 1918 First fixed U.S. field station at Houlton, ME, began operation, 1918  Veterans Day	AEF Radio Intelligence Section opened intercept site at Souilly, France, 1917	13 First World Wide Web page written, 1990	14	President Clinton's Executive Order 13026 eased exports of encryption products, 1996
16 Herbert O. Yardley hired as State Department code clerk, 1912	17	18	19	Attempt to rescue POWs from Son Tay, North Vietnam, failed; tactical SIGINT was superb, but the POWs were moved before the raid, 1970	21 First permanent ARPANET link established, 1969	Herbert O. Yardley fired by Canada's National Research Council, 1941
23 Lt Gen John Samford officially opened the OPS 1 building, 1957 The Data Encryption Standard approved as federal standard for all unclassified government comms, 1976  30 Charles Chibitty of the Comanche Nation received Knowlton Award for codetalking work during WWII, 1999	24  New DIRNSAs: Lieutenant General John Samford, USAF, 1956; Vice Admiral Laurence Frost, USN, 1960	25 Ronald Pelton, former NSA analyst, arrested for spying for Soviets, 1986	26 OPS 3 (now the Frank B. Rowlett Building) dedicated, 1968	27 SSDD (Signal Security Detachment D) was re-established as Army Security Agency, Europe (ASAE) at Rüsselsheim, West Germany, becoming the parent organization for other ASA units in Europe, 1945  Thanksgiving Day	28	29



## **DECEMBER**

S U N DAY	M O N DAY	TUESDAY	W E D N E S DAY	T H U R S DAY	FRIDAY	S AT U R DAY
	1	2	3	4	5	6
	Polish Cipher Bureau first solved Enigma message, 1932 JN-25B code introduced by the Japanese Navy, 1940 ATLAS, first U.S. cryptologic computer, became operational, 1950	Rear Admiral Joseph Wenger, USN, became first Vice Director of NSA, 1952 Washington Post columnist Jack Anderson compromised sensitive NSA program, 1980	First "Muzak" in NSA spaces played, 1964	Executive Order 12333 issued on Intelligence Community roles and activities, 1981		Pre-employment polygraph became mandatory at NSA, 1952
7	8	9	10	11	12	13
Japanese attack on Pearl Harbor in Hawaii, 1941	SecDef announced that the Global Positioning System (commonly known as GPS) was complete; accurate to 100 meters, 1993	The Sperry Rand Corp. unveiled the Univac 1107, the first electronic computer to use thin-film memory, 1960	Official end of Spanish- American War, 1898	Germany and Italy declared war on the United States, 1941	USS <i>Panay</i> sunk by Japanese naval aircraft in Yangtze River; U.S. Army decrypts shaped U.S. response, 1937	USAF launched the POPPY 1 satellite into orbit, 1962
14	15	16	17	18	19	20
First NSA-wide holiday party held, 1958 Three MIT researchers filed for a patent for what came to be known as the RSA publickey encryption algorithm, 1977	Death of Johannes Trithemius, author of first book on cryptography published in Europe, 1516 Ceremonial ribbon (and lei) cut to officially open Kunia Regional SIGINT Operations Center [NSA-Hawaii], 1980 NSA-Georgia began operations in Back Hall Building, named for U.S. Army Chief Signal Officer, MG George I. Back, 1995	The National SIGINT Operations Center (NSOC) began operations, 1972 National Cryptologic Museum opened to the public, 1993	Guglielmo Marconi proved radio messages could cross the Atlantic, 1902	DoD Directive 5200.28, "Security Requirements for ADP Systems," established the first computer security regime for DoD, 1972	Robert Patterson's coded challenge message that was included in an 1801 letter to Thomas Jefferson was decrypted by Dr. Lawren Smithline, mathematician at CCR-Princeton; the key to the decrypt turned out to be the Declaration of Independence, 2007	Meredith Gardner solved KGB message containing list of scientists working on Manhattan Project, an important development in the VENONA project, 1946
21	22	23	24	25	26	27
Terrorists sponsored by Libya blew up Pan Am flight 103 over Lockerbie, Scotland, 1988	Specialist James Davis, USA, became first American cryptologist killed in Vietnam, 1961 Astronauts aboard NASA's Apollo 8 spacecraft transmitted the first live telecast from outer space, 1968	USS <i>Pueblo</i> crew released by North Korea, 1968		Arlington Hall Station Civilian Welfare Fund began serving AFSA members, 1949 <i>Christmas Day</i>		Stone Board report on centralizing U.S. cryptologic organizations issued, 1948
28 Brownell Committee established, which led to the creation of NSA, 1951	29	30	31 William Friedman became the first civilian cryptanalyst with the Office of the Chief Signal Officer, 1921			

