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Source of document:	National Security Agency Declassification Services (DJ5) Suite 6884, Bldg. SAB2 9800 Savage Road Ft. George G. Meade, MD, 20755-6884

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NATIONAL SECURITY AGENCY
CENTRAL SECURITY SERVICE
FORT GEORGE G. MEADE, MARYLAND 20755-6000

Serial: MDR-58830
27 July 2009

This responds to your request of 21 May 2009 to have each page linked directly by one click to the CCH Intranet Website with accompanying datasets, bibliographies and indexes reviewed for declassification. The material has been reviewed under the Mandatory Declassification Review (MDR) requirements of Executive Order (E.O.) 12958, as amended and is enclosed. We have determined that some of the information in the material requires protection.

Some portions deleted from the documents were found to be currently and properly classified in accordance with E.O. 12958, as amended. The information denied meets the criteria for classification as set forth in Section 1.4 subparagraphs (c) and (d) and remains classified SECRET as provided in Section 1.2 of E.O. 12958, as amended.

Section 3.5 (c) of E.O. 12958, as amended, allows for the protection afforded to information under the provisions of law. Therefore, the names of NSA/CSS employees and information that would reveal NSA/CSS functions and activities have been protected in accordance with Section 6, Public Law 86-36 (50 U.S. Code 402 note).

Since your request for declassification has been denied you are hereby advised of this Agency's appeal procedures. Any person denied access to information may file an appeal to the NSA/CSS MDR Appeal Authority. The appeal must be postmarked no later than 60 calendar days after the date of the denial letter. The appeal shall be in writing addressed to the NSA/CSS MDR Appeal Authority (DJP5), National Security Agency, 9800 Savage Road, STE

6884, Fort George G. Meade, MD 20755-6884. The appeal shall reference the initial denial of access and shall contain, in sufficient detail and particularity, the grounds upon which the requester believes the release of information is required. The NSA/CSS MDR Appeal Authority will endeavor to respond to the appeal within 60 working days after receipt of the appeal.

Sincerely,

A handwritten signature in black ink, appearing to read "Kristina M. Grein". The signature is fluid and cursive, with the first name "Kristina" and last name "Grein" clearly distinguishable.

For
KRISTINA M. GREIN
Chief
Declassification Services

Encls:
a/s

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Center for Cryptologic History Mission

Provide objective, meaningful historical support to the National Security Agency/Central Security Service leadership and work force to enhance decision making, cryptologic knowledge, and esprit de corps

Advance an understanding of cryptologic history for the United States Intelligence Community, the Department of Defense, other government agencies, academia, and the general public

We encourage Agency employees to contact the Center if they have historical information or artifacts they'd like to make part of the cryptologic record. We also welcome inquiries about the events and people that have contributed to the rich historical legacy of the U.S. cryptologic system.



Center for Cryptologic History Headlines

- | | |
|-----------|--|
| 01 May 09 | New Publication - (U) The Collected Writings of Brigadier John H. Tiltman |
| 27 Mar 09 | New Publication - (U) Learning from the Enemy: The GUNMAN Project |
| 19 Mar 09 | New Publication - (U) Candle in the Dark: COMINT and Soviet Secrets, 1946-1956 |

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Hall of Honor

The Hall of Honor process is managed by the Center for Cryptologic History and the Public Affairs Office.

The basic criteria for nomination to the Hall of Honor are that first, the individual or group must have made significant contributions through cryptology to America's national security or had a lifetime of high achievement in the cryptologic field. In addition, an individual must have been retired from cryptologic service for a minimum of 15 years.

The CCH puts out a call for nominations every autumn via the ESS. The deadline for these submissions this year is 31 May. Any individual or group is welcome to submit a nomination. Letters are sent to the Service Cryptologic Elements, the Phoenix Society, and the National Cryptologic Museum Foundation, soliciting nominations.

Once the nomination process closes, the CCH convenes an advisory group, which comes to a consensus on the final candidates. The list of candidates is sent to the Director, NSA for final approval.

When approval is given, the Public Affairs Office, working with the Office of Protocol, schedules an induction ceremony that is hosted by the Director. This year's ceremony will be held in the National Cryptologic Museum in September or October. The families of those being honored are invited to participate. In 2001, three of the four honorees were still living and were able to enjoy the ceremony with their families.

When the selection is made for the Hall of Honor, the Office of Corporate Communications schedules a ceremony, usually in October or November, at which the Director or Deputy Director will preside. The inductees, if still living, are invited, together with their families. If the Inductee has passed away, every effort is made to find her or his closest relatives to attend the ceremony. Without exception, every ceremony held to induct members into the Hall of Honor has been marked with shared joy in large measure among inductees, family members, and NSA employees.

Year Added	Member
2006	Brigadier General Bernard Ardisana, USAF
2001	Howard C. Barlow
2005	Dr. William Blankinship
2004	Dorothy T. Blum
2008	Benson K. Buffham
2003	Lambros D. Callimahos

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1999	Lieutenant General Ralph J. Canine, USA
2004	James R. Chiles
2001	Mahlon E. Doyle
2000	Agnes Meyer Driscoll
2002	Captain Thomas H. Dyer, USN
2006	Edward A. Everett
2003	Dr. Lowell K. Frazer
1999	Elizebeth S. Friedman
1999	William F. Friedman
2008	Charles L. Gandy
2004	Meredith Gardner
2008	General Alfred M. Gray, USMC
2007	Jacob Gurin
2007	Dr. Robert J. Hermann
2001	Dr. Sydney Jaffe
2008	Oliver B. Kirby
1999	Dr. Solomon Kullback
2002	Dr. Richard A. Leibler
2002	Mitford M. Mathews
2003	Juanita Moody
2001	Major General John E. Morrison, Jr., USAF
2006	Cecil J. Phillips
2006	James W. Pryde
2005	Francis Raven
2000	Captain Joseph J. Rochefort, USN
2003	Howard E. Rosenblum
1999	Frank B. Rowlett
1999	Captain Laurance Safford, USN
2005	Arthur Salemm
2008	Rear Admiral Donald M. Showers, USN
1999	Dr. Abraham Sinkov
2007	Samuel S. Snyder
2002	Charles C. Tevis
2004	Brigadier John Tiltman
2000	Dr. Louis W. Tordella
2006	Thomas E. Tremain
2002	Dr. Julia Ward
2005	Rear Admiral Joseph N. Wenger, USN
2002	Norman Wild
1999	Herbert O. Yardley
2007	Milton Zaslow

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"Did You Know?" Posters

To view a readable image of the poster, along with links to further reading, click on the poster



African-Americans at NSA



Airborne Radio Direction Finding (ARDF)



Center for Cryptologic History (CCH)



Cold War



GCHQ



Korea



Purple



Venona



Vietnam

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(NSA/CSS
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Where Were You on
September 11?

9/11
Questionnaire

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- [The Cryptologic History Program: NSA/CSS Policy 1-55](#) [pdf]

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Oral History Program

(U) The NSA/CSS Oral History Program is an integral part of the Center for Cryptologic History; it records the history of NSA/CSS through the voices of those who lived it. The Program consists exclusively of personal perspectives, remembrances, recollections, and observations from people like you who possess unique knowledge and experience relating to NSA/CSS personnel, organizations, and missions. The Center conducts Oral History interviews to provide data to any/all of the following three categories: Knowledge Transfer, Event Histories, and Leadership. Its existence is totally dependent on those who are willing to share their stories, adventures, successes, challenges, and feelings. Oral history interviews capture the excitement and frustrations that cannot be found in archival documents. It matters not what organization you were assigned to, or what pay grade you achieved, or in what skill community you earned your expertise. The audio recordings and resulting transcripts of your interview will forever be available to those who follow - to research, to read to listen, and to learn.

(U) The Oral History Program began in 1971 when a former United States Marine language officer was asked to share his experiences while assigned to the 24th Regiment of the 4th Marine Division while fighting World War II in the Pacific. Since then it has grown to over **1000** Oral History Interviews. These include personal narratives from the earliest cryptologists, former Agency Directors and Deputy Directors, intercept operators and cryptologic officers from all the military services, Agency civilians working in all disciplines, cryptologic associates from other countries, and those forward deployed in harm's way, to name just a few.

(U) Everybody has a unique story to tell regarding his or her experiences with the National Security Agency. The Center for Cryptologic History invites you to share your stories with us.

(U) Please contact the Center for Cryptologic History and speak with [Dr. David A. Hatch](#), NSA Historian, or [David P. Cooley](#), NSA Oral Historian at 972-2893 or send us an email.

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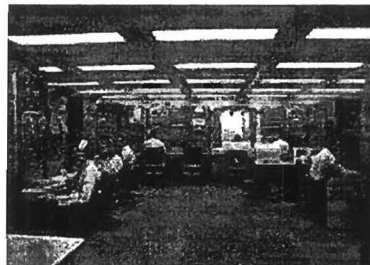
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Crisis Documentation

- Each key component, and most subordinate units, should already have a designated Records Manager. The Records Manager in each organization should be able to provide advice on what paper documents must be preserved in accordance with archival rules.
 - The NSA Archives and Records Center is a good source of advice and assistance in preserving and storing documents or other materials. The NARC may be reached on 972-2260.
- Product is saved automatically.
- E-MAIL:- There is no mechanism for automatic preservation of E-MAIL. Important messages should be preserved either by printing them out and filing them (19th century method) or by downloading them to floppies or CD-ROMs (20th century). [The 21st century method has yet to be developed.]



- Whether in normal operations or crises, several types of information often do not get preserved. Organizations should designate an individual to create a "miscellany file," i.e., either hard-copy or electronic notes on the following. Also, please be sure to put the date on any such notes.
 - **Verbal directions:** people should be told to make quick notes of directions given during informal meetings or via the telephone.
 - **The reasons for decisions,** all too often, memorandums record who was at a meeting and what the outcome was, but omit the reasoning behind decisions or actions. Someone could be designated to make a few notes on this.
 - **Anecdotes** about successes and failures: some, particularly those that result in product, do receive recognition, but all too many (including intermediate steps that lead toward the "big solution") go unrecognized. These should be jotted down. In order to ensure that failures also get documented, it should be stated clearly that names do not have to be included.
 - Sometimes even **seemingly mundane things** such as manning schedules, phone lists, SOP papers, and the like can be valuable later to the historian for establishing identities, dates, and procedural matters.
- Compile a **chronology** of organizational events. This does not have to be a logbook that records every single happening, but a list of major actions may be

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important later in establishing the order of events.



- Compile a list of **individuals** who have been important to the effort who should be the subject of Oral History interviews once the crisis settles down. It is likely that senior people will be interviewed anyway, so this list should include those other than the top levels who have made contributions or have a unique perspective on events. You can help make the later interview more productive by jotting down the subjects on which the interviewee should talk.
- It may no longer be the case, but in the past the emphasis on achievement has concentrated on a few cryptologic disciplines, principally CAs, IAs, and, in a few cases, linguists. When taking notes, designating note takers, or identifying Oral History subjects, **don't forget all the steps in the process.**
- The most difficult information to obtain for cryptologic history is how NSA's product was used by decision-makers and other customers. People should be encouraged to make notes on any **feedback** received from customers, particularly telephone or personal comments that do not have hardcopy follow-up.

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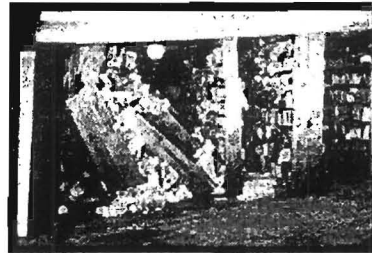
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Leaving the Agency?

Before You Go, Let Us Know (or Thanks for the Memories)

Documenting NSA's past is an important undertaking. As employees prepare to leave the Agency, they should ensure that the unique historical records, which only they may hold, are not lost. Do they possess significant documents that would be valuable to future generations of NSA employees? Did they participate in a significant event or project during their years at NSA? The historical organizations at NSA want to hold on to these memories!



Records

During a career at NSA, an employee frequently creates or acquires records that are significant to the NSA's past. Such records include, but are not limited to, books, papers, schematic diagrams, electronic documents, and floppy disks. Each U.S. government agency is required to preserve records that document that agency's functions, policies, and essential transactions. Retaining these records enables the agency to fulfill its operational need, provide for continuity of decision-making, protect the rights and interests of the Agency and its employees, and ensure the preservation of historical perspective. For NSA to reach this goal, the Records Management Policy Office especially needs the help of departing employees!



Before records are destroyed or discarded, please consult the [Records Disposition Schedules](#). The [NSA/CSS Records Management Policy Office](#) also provides guidance, training, assistance, and protected storage for the Agency's records. For more information, [call](#) or [email](#).

Artifacts of historical significance are of interest to the National Cryptologic Museum.

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For further information, please contact the Public Affairs Office.

Historic Contributions

The Center for Cryptologic History has as one of its missions to maintain continuity with NSA's past. With that objective in mind, the CCH would enjoy discussing with any/all potential retirees any significant event of his/her career at NSA. This may include a particular project or crisis action the retiree participated in as well as a major shift/adjustment in NSA policy that involved the retiree. Remember before you retire, contact the Center for Cryptologic History (972-2893) and ask for either David Hatch (dahatch), NSA Historian, or David Cooley (dpcoole), NSA Oral Historian.

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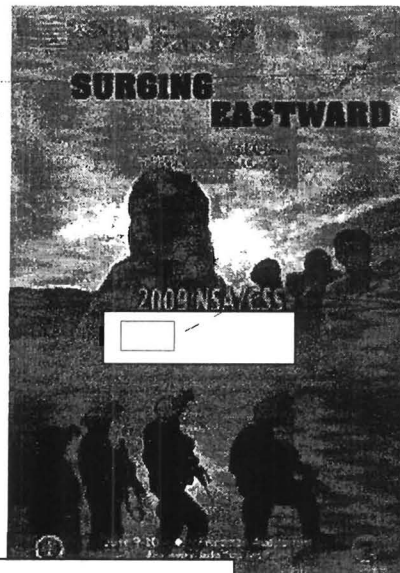
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ProgramCWF VENDOR:
Knopp's Greenhouse &
FarmOHES Medical
Center Closed 1100-
1230 - 3 June 2009Sacrament of
ReconciliationWeight Watchers @
WorkCorporate Visit - Brig
Gen Daniel R. Eagle,
USAF (Designate)
Defense Attache to
Moscom(U//FOUO)
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(C//REL)

The
weapon of
choice for
adaptive
and
resilient
networks
of
insurgents
and
terrorists,

[REDACTED] threaten the safety of our service members and civilians deployed as well as the long-term strategic interests of the United States and our allies globally. This conference will provide the opportunity to bring together SIGINT [REDACTED] subject matter and technical experts, customers, foreign partners, and other Intelligence Community counterparts as a [REDACTED] Community of Interest to plot the road ahead.

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New IA Position in
AfghanistanSID Today:
(S//SI//REL) Why Are
SIGINTers Interested in
GPRS?LINK
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YOU KNOW"](#)[DCIPS Math](#)[President Obama
Announces Cyber
Security Policy](#)

~~(C//REL)~~ The [redacted] [redacted] S2, [redacted] will be hosting the 2009 NSA/CSS [redacted] Conference on June 9th and 10th in Friedman Auditorium. [redacted]

[redacted], will deliver the keynote address to kick off two days of discussion of techniques, successes and challenges related to the SIGINT [redacted] effort, focused on the buildup of forces in Afghanistan and the concurrent increase in the [redacted] threat.

~~(C//REL)~~ The weapon of choice for adaptive and resilient networks of insurgents and terrorists, [redacted] threaten the safety of our service members and civilians deployed as well as the long-term strategic interests of the United States and our allies. This conference will provide the opportunity to bring together SIGINT [redacted] subject-matter and technical experts, customers, foreign partners, and other Intelligence Community counterparts as a [redacted] Community of Interest to plot the road ahead.

~~(C//REL)~~ In the course of the two days we plan to: share an overview of Afghanistan; focus on [redacted] trends in Afghanistan and the future threat for the next generation of jammers; hear the perspectives of the [redacted] threat and their involvement in the [redacted] fight from our Five Eyes partners; hear from two panels of some key SIGINTers in the [redacted] [redacted] fight regarding observations on SIGINT successes and capability gaps from the theater perspective; examine and share progress made in [redacted] efforts since last year's conference; and, frame the way forward for the coming year and beyond.

~~(C//REL)~~ An important outcome of the conference is to identify positive steps that can be taken to improve our [redacted] capabilities by working as a Community of Interest to meet and overcome some of the toughest [redacted] challenges.

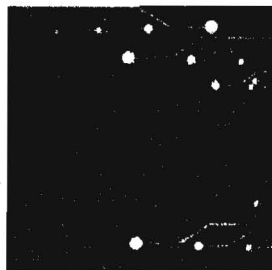
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(U//~~FOUO~~) If you have questions, please
contact Counter Mission
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NEWS AT A GLANCE[Past News »](#)

(U//~~FOUO~~) **Futures
Intelligence - Daily
Pointers**

(U) *Engineers
discover fundamental
flaw in transistor
noise theory.*

(U) There is a newfound flaw in the scientific community's understanding of transistor noise, which is a phenomenon affecting the electronic on-off switch that makes computer circuits possible. According to the engineers at the National Institute of Standards and Technology (NIST) who discovered the problem, it will soon stand in the way of creating more efficient, lower-powered, long-lasting devices like new cell phones and pacemakers unless the problem is solved.

(U) While exploring transistor behavior, the team found evidence that a widely accepted model explaining errors caused by electronic "noise" in the switches does not fit the facts. For decades, the engineering community has largely accepted a theoretical model that identifies these defects and helps guide designers' efforts to mitigate them.

(U) The theory, known as the elastic tunneling model, predicts that as transistors shrink, the fluctuations should correspondingly increase in frequency. However, researchers at NIST have shown that even in nanometer-sized transistors, the fluctuation frequency remains the same. The observed fluctuations do grow

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more pronounced as the power decreased.

(U) Researchers say they have to understand the problem before they can fix it -- and troublingly, they don't know what's actually happening. The new findings have particular implications for the low-power transistors currently in demand in the latest high-tech consumer technology. (National Institute of Standards and Technology 21May09)

(U) For more top stories from the past week go to Daily Pointers Best of the Week.

(U) *Other information sources from the Futures Intelligence Team*

(U//~~FOUO~~) [] is a PKI-enabled analyst tool that contains all of the FIT target and threat reports plus a daily pull of all-source intelligence relating to emerging technologies, IT marketplace, terrorist threat information, telecommunications, and foreign intelligence service technological capabilities.

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(U) Point Forecasts are in-depth studies of technology topics that look to the future, with added insight from in-house experts on the impact of the technology to NSA.

(U) The Next Wave journal highlights unclassified research at NSA as well as overviews of emerging technologies.

(U) R Spotlight presents video webcasts highlighting innovations in the Research Directorate.

(U//~~FOUO~~)
History
Today - 03
June 2009

(U) In the spring of 1964, the Marine Detachment, Advisory

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Team One, arrived in Vietnam. Their cover story was a training mission for Montagnard tribesmen at the camp at Khe Sanh.



However, their real mission was to seek North Vietnamese communications in the area of the Demilitarized Zone separating the two halves of the country.

(U) The commander of the unit was Major Alfred Gray, a veteran of USMC SIGINT operations during the Korean War.

(U) The unit first set up operations at a place called Tiger Tooth Mountain, then in Dong Bach Ma, a mountain area in the vicinity of Da Nang.

(U) In June, Al Gray returned to the States for a tour at USMC headquarters. He was replaced by Captain Ray Becker.

(U) Although the unit leadership was disappointed in the small SIGINT take from their sites, the mission had accomplished two important goals. It showed that Marine SIGINT personnel could deploy and set up operations on short notice. The Marines also acquired definite evidence that North Vietnamese Army units were active throughout the area.

(U) Al Gray had a full career as a Marine, rising to four stars as commandant of the Corps. He currently serves on the NSA Advisory Panel.

(U) The photograph shows Al Gray as commandant of the USMC.

(U) Like to blog? Want to discuss historical topics with interested -- and interesting -- folks? Visit the Center for Cryptologic History's new blog, "[History Rocks](#)." It does, and you can rock with it: visit our new site ([go history rocks](#))

(U) [Larger view of photo](#)

(U) Have a question or comment on "History Today"? Contact us at DL cch or cch@nsa.

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NATIONAL SECURITY AGENCY / CENTRAL SECURITY SERVICE
Defending Our Nation. Securing the Future.

National Cryptologic Museum

The National Cryptologic Museum is the National Security Agency's principal gateway to the public. It shares the Nation's, as well as NSA's, cryptologic legacy and place in world history. Located adjacent to NSA Headquarters, Ft. George G. Meade, Maryland, the Museum houses a collection of thousands of artifacts that collectively serve to sustain the history of the cryptologic profession. Here visitors can



catch a glimpse of some of the most dramatic moments in the history of American cryptology: the people who devoted their lives to cryptology and national defense, the machines and devices they developed, the techniques they used, and the places where they worked. For the visitor, some events in American and world history will take on a new meaning. For the cryptologic professional, it is an opportunity to absorb the heritage of the profession.

Originally designed to house artifacts from the Agency and to give employees a place to reflect on past successes and failures, the Museum quickly developed into a priceless collection of the Nation's cryptologic history. The Museum opened to the public in December 1993 and quickly became a highlight of the area.

Being the first and only public museum in the Intelligence Community, the Museum hosts approximately 50,000 visitors annually from all over the country and all over the world, allowing them a peek into the secret world of codemaking and codebreaking.

The Museum is also an invaluable educational tool, benefiting thousands of students and teachers every year. Tours are provided allowing students of all ages the chance to learn about cryptology's impact on history and the possibility of exciting jobs in an area they may not have thought possible.

The Museum has been featured in a plethora of international TV, print, and radio media and has hosted visitors and dignitaries from around the world.

Museum Library

The National Cryptologic Museum has had an adjunct reference library since it opened in

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1993. The library not only supports the exhibits, but also encourages visitors to research various areas of cryptologic history. Over the years, the library has become an important resource to students, scholars, and those with an interest in this once secret world.

The Museum Library maintains a collection of unclassified and declassified books and documents relating to every aspect of cryptology. The books and records complement the museum exhibits and artifacts, but also offer unique and in-depth sources of information for researchers.

The library has a very large collection of commercial codebooks. These codebooks were used by all manner of businesses to reduce the costs of cable communications as well as to provide a measure of security for trade secrets. Modern communications and encryption methods have made these books obsolete and they are mainly of historical interest. Some of the most sought after items in the library include the declassified documents. The Museum Library holds all of the released VENONA documents. NSA's Special Research Histories (SRH) provide documentation of NSA's predecessor organizations in the U.S. Army and Navy's cryptologic services. The SRH collection (available in its entirety at the National Archives in Record Group 457) consists of declassified reports dating predominantly to World War II. The library also holds some of the oral histories taken by NSA's Center for Cryptologic History.

These oral histories provide a detailed and personal view from a few of the people who have been a part of world events, including a radio intercept operator prior to WWI and Navajo Code Talkers (PDF Format).

A few select, unclassified monographs are also available to the public from the Museum Library. They cover a wide range of cryptologic subjects from early American ciphers to the Vietnam War. Most of the monographs were written and published by NSA's Center for Cryptologic History. These monographs go into greater depth than the museum exhibits or museum pamphlets and help to provide a greater understanding of the events in which cryptology played a role in world history.

The Museum Library is open to the public; however, the hours vary. Please call ahead to ensure that a staff member will be present to assist you (301-688-2145). The library is non-circulating, but photocopying is permitted.

Museum Gift Shop

The NSA Civilian Welfare Fund Gift Shop, located within the National Cryptologic Museum, offers a variety of merchandise ranging from unique NSA logo items to books and videos relating to the art and science of cryptology. **Gift Shop hours are 10:00 a.m. - 3:30 p.m.,**

Monday through Friday; and 10:30 a.m. - 1:30 p.m., the 1st and 3rd Saturdays of each month.

Adjacent to the Museum, is the National Vigilance Park. The park showcases two reconnaissance aircraft used for secret missions. The RU-8D serves to represent the Army Airborne Signal Intelligence contribution in Vietnam and the C-130 memorializes an Air Force aircraft that was shot down over Soviet Armenia during the Cold War.

Defending Our Nation.  *Securing The Future.*

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National Cryptologic Museum Foundation

The National Cryptologic Museum Foundation was established in 1996 to assist the National Cryptologic Museum in its effort to inform the public about the contribution made to the national security of the United States by the signals intelligence and information security services, and to commemorate the men and women who have participated in these important activities.

The Foundation assists the museum with the acquisition and display of memorabilia and artifacts that explain the role played by cryptology during times of peace and war. It aids the museum in facilitating research into now-unclassified materials about signals intelligence and information security. The Foundation sponsors a variety of programs to expand and inform its membership and to increase interest and participation in the museum and its development.

The Foundation's Officers, Board of Directors, and Committee Chairs include former NSA Directors, Deputy Directors and other distinguished Intelligence Community senior executives.

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www.nationalcryptologicmuseumfoundation.com

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Cryptologic Quarterly

(U) Cryptologic Quarterly is the professional journal of the National Security Agency/Central Security Service. Its mission is to advance knowledge of all aspects of cryptology by serving as a forum for issues related to cryptologic theory, doctrine, operations, management, and history.

(U) The primary audience for Cryptologic Quarterly is NSA/CSS professionals, but CQ is also distributed to personnel in other United States intelligence organizations as well as to cleared personnel in other federal agencies and departments.

(U) All Agency employees are encouraged to submit articles to the Quarterly. In addition to original articles, the journal also accepts writing that has seen publication as professionalization papers, Agency Learned Organization award winners, and as articles in other periodicals.

(U//~~FOUO~~) Potential articles for Cryptologic Quarterly can be submitted via email. Such submissions should include a pdf (portable document format) version as well as a txt (text) version of the article. The article must include a one-paragraph abstract and a list of appropriate keywords that can be used in retrieving information from the article. Articles and abstracts should be sent to [redacted] managing editor of the Quarterly, at [redacted] P.L. 86-36

(U//~~FOUO~~) Please note that determining the classification of articles is the responsibility of authors, and we ask that contributors have their submissions reviewed by a Classification Advisory Officer (CAO). Authors should include with the article a statement from the CAO regarding the article's classification. Submissions via the Agency mail system should include a copy of the article and an abstract. Send those items to EC, SAB 2, Door 22, Suite 6886, ATTN: [redacted] Authors should also include their secure phone numbers, organizational designators, and email addresses. Questions may be addressed via phone, 972-2895s, or email, cchpubs@nsa.

(U) A Note about the CQ Editorial Advisory Board: All articles submitted to Cryptologic Quarterly are reviewed by an Editorial Advisory Board, which consists of individuals from various cryptologic disciplines. The Board evaluates each article for cryptologic relevance and appropriateness of publication. Board members may also distribute articles to the various skill communities for anonymous peer review. For additional information about the Editorial Advisory Board, please contact Barry Carleen, executive editor of the Quarterly, at bdcarle@nsa.ic.gov or at 972-2895s.

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The Center for Cryptologic History examines the events and people that have shaped the cryptologic system as we know it today.

Click on the headings below to expand the list of articles. The overall document classification of each article appears inside square brackets at the end of each title listed below.

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(U// FOUO) American Cryptology during the Cold War, 1945-1989, Book III: Retrenchment and Reform, 1972-1980 (1998)	TOP SECRET//UMBRA
(U// FOUO) American Cryptology during the Cold War, 1945-1989, Book IV: Cryptologic Rebirth, 1981-1989 (1999)	TOP SECRET//COMINT-UMBRA//TALENT KEYHOLE//X1
(U) American Cryptology: Two Centuries of Tradition (undated)	UNCLASSIFIED
(S//SI) American Signal Intelligence in Northwest Africa and Western Europe (1980)	SECRET//HANDLE VIA COMINT CHANNELS ONLY
(U) Army Security Agency Aerial Reconnaissance: Mission and Sacrifice (undated)	UNCLASSIFIED
(U) Bad Aibling Station: A Legacy of Excellence (undated)	UNCLASSIFIED
(U) Brigadier John Tiltman: A Giant Among Cryptanalysts (2007)	UNCLASSIFIED
(U) Candle in the Dark: COMINT and Soviet Secrets, 1946-1956 (2008)	TOP SECRET//COMINT//REL TO
(U) The Cipher Disk (undated)	UNCLASSIFIED
(U) Collected Writings of Brigadier John H Tiltman (2007)	Secret//COMINT//REL TO USA, FVEY
(U) The Cryptologic Mathematics of Enigma (2006)	UNCLASSIFIED
(U) A Dangerous Business: The U.S. Navy and the National Reconnaissance During the Cold War (undated)	TOP SECRET UMBRA
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(U) Essential Matters: A History of the Cryptologic Branch of the People's Army of Viet-Nam, 1945-1975 (1994)	UNCLASSIFIED
(U) The Friedman Legacy: A Tribute to William and Elizebeth Friedman (2006)	UNCLASSIFIED
(U) German Cipher Machines (2003)	UNCLASSIFIED
(C) German Clandestine Activities in South	TOP SECRET UMBRA

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(U) A History of U.S. Communications Intelligence During WWII: Policy and Administration (1997)

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(U) In Memorium: Dr. Louis W. Tordella (1996)

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(U) The Invisible Cryptologists: African-Americans, WWII-1956 (2001)

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(U) It Wasn't All Magic (2002)

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(U) Learning from the Enemy: The GUNMAN Project (2009)

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(U) Listening to the Rumrunners (1996)

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(U) NSA and the Cuban Missile Crisis (1998)

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(U) Origins of NSA (undated)

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(U) The Origins of the National Security Agency (1990)

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(U) The Parable of the Tail With No Teeth (1996)

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(U) Pearl Harbor Revisited: United States Navy Communications Intelligence, 1924-1941 (1994)

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(U) Presidential Transition 2001: NSA Briefs a New Administration (2004)

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(S//SI) Space Surveillance SIGINT Program SECRET//HANDLE VIA COMINT
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(U) Spartans in Darkness: American SIGINT TOP SECRET//COMINT//X1
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(U) The Voynich Manuscript: An Elegant UNCLASSIFIED
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(U) West Wind Clear: Cryptology and the Winds UNCLASSIFIED
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(U) Cold War

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- (U) [Army Security Agency Aerial Reconnaissance: Mission and Sacrifice](#) [Brochure]
- (U) [Bad Aibling Station: A Legacy of Excellence](#) [Brochure]
- ~~(S//SI)~~ [BOURBON to Black Friday: The Allied Collaborative COMINT Effort Against the Soviet Union, 1945-1948](#) [Monograph]
- (U) [Candle in the Dark: COMINT and Soviet Secrets, 1946-1956](#) [Monograph] EO 1.4.(c)
- ~~(S//SI)~~ [The Capture of the USS Pueblo and Its Effect on SIGINT Operations](#) [Monograph]
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- ~~(S//SI)~~ [The National Security Agency and the EC-121 Shootdown](#) [Monograph]
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- ~~(S//SI)~~ [The Soviet Invasion of Afghanistan: A Cryptologic History](#) [Monograph]
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(U) Foreign Partners

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(U) Korean War

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(U) So Power Can Be Brought into Play: SIGINT and the Pusan Perimeter
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(U) Technology

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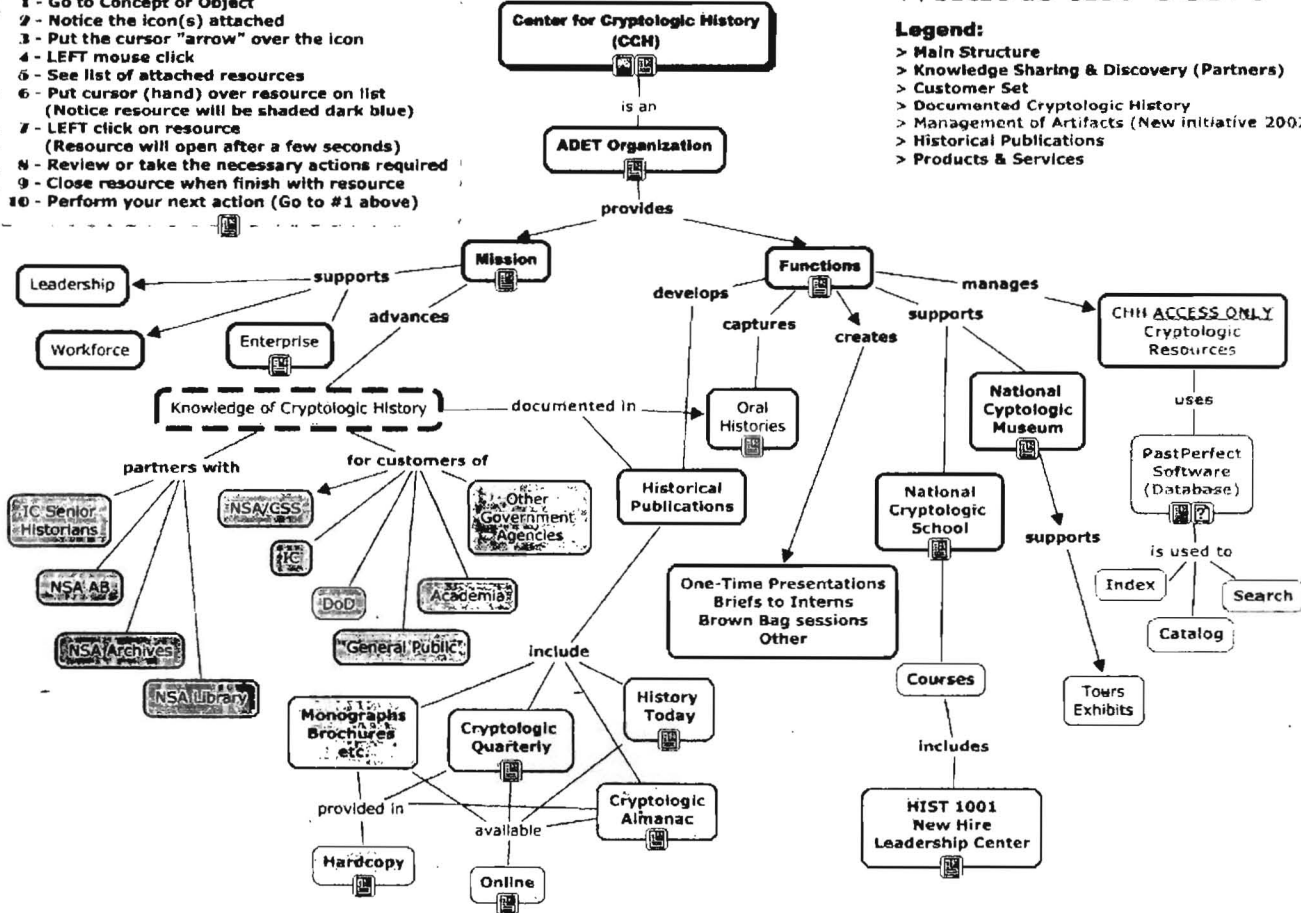
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Where Were You on September 11?

Where Were You on September 11, 2001?

(U//~~FOUO~~) The Center for Cryptologic History (CCH) needs your help to document and preserve the history of NSA as it was on 9/11 and the months that followed. Your personal accounts of events, assignments, projects, or personalities are invaluable to our historians and researchers. Please take a moment to complete the questionnaire and return it, **appropriately classified** either by pressing the [SUBMIT] button at the end or by mail to: **CCH/EC, NSA, Attn: SAB 2, Door 22, Suite 6886.**

Classification: UNCLASSIFIED//FOR OFFICIAL USE ONLY

Name: SID: Organization: Secure Phone: Current Job Title:

1. (U//~~FOUO~~) Where were you on 9/11? What was your personal experience? (Please include your location, your job at the time and your office designator). [If you were working counterterrorism issues or directly supporting counterterrorism, please also see questions 5-7]

2. (U//~~FOUO~~) What did your office do in those first days and weeks after 9/11? Did your operations change? Did you find new ways to do business (changes to products, services)? What would you hope history would remember about your efforts?

3. (U//~~FOUO~~) How has the way your office works today been influenced by the events of 9/11?

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• 9/11 Questionnaire

4. (U) Do you have any comments or additional insights you'd like to share?

(U//~~FOUO~~) For those working in counterterrorism or supporting counterterrorism efforts:

5. (U//~~FOUO~~) Did your work routine change after 9/11? If so, how (longer hours each day, more hours each week, more days per week)? At what point did you revert to a standard 40-hour work week? Did the change in work routine result in changes in attitude or morale?

6. (U//~~FOUO~~) If not already covered in your answer to question 2, please explain how your target sets, methodologies, and tools changed following the events of 9/11.

7. (U//~~FOUO~~) Did your work support Operation ENDURING FREEDOM? If so, how?

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Where Were You on September 11?

Have You Served At MRSOC (NSA/CSS Texas)

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1. (U//~~FOUO~~) What years were you assigned to MRSOC (NSA/CSS Texas)? (Note: if more than one tour, include all)

2. (U//~~FOUO~~) Was MRSOC (NSA/CSS Texas) your only field tour and, if not, what other NSA field site(s) were you assigned to?

3. (U//~~FOUO~~) What was your job title at MRSOC (NSA/CSS Texas)? What did you do? What area did you work in? Please try to be as specific as possible, and please expand any acronyms.

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4. (U//~~FOUO~~) What were the most significant achievements of MRSOC (NSA/CSS Texas) during your time there? What do you see as MRSOC (NSA/CSS Texas)'s biggest contribution to the US Cryptologic community?

5. (TS//SI) What changes in mission occurred during your tour at MRSOC (NSA/CSS Texas)?

6. (U//~~FOUO~~) If you were at MRSOC (NSA/CSS Texas) during a transition from one Cryptologic Host to another, what impact did you notice?

7. (U//~~FOUO~~) What physical changes have you seen on the base and specifically in Ops during your field tour? Please describe the physical appearance of the facility while you were there.

8. (U//~~FOUO~~) What non-work related organizations did you belong to?

9. (U//~~FOUO~~) To help us build a timeline, during your tour(s) do you recall the first arrival of people from various Agencies, Departments, Services and/or Contracting Firms? Can you recall the month and year? Similarly, can you recall the final departure of all personnel from an Agency, Department, Service and/or Contracting Firm? Again, what was the month and year?

10. (U//~~FOUO~~) Do you have any memorable moments or experiences you'd be willing to share about your job, the site, and/or the local community? Please describe briefly.

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11. (U) Would you be willing to participate in an oral history of your experiences? Yes ☐

12. (U) Other Comments?

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Where Were You on September 11?

Have You Served At KRSOC (NSA/CSS Hawaii)

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1. (U//~~FOUO~~) What years were you assigned to KRSOC (NSA/CSS Hawaii)? (Note: If more than one tour, include all)

2. (U//~~FOUO~~) Was KRSOC (NSA/CSS Hawaii) your only field tour and, if not, what other NSA field site(s) were you assigned to?

3. (U//~~FOUO~~) What was your job title at KRSOC (NSA/CSS Hawaii)? What did you do? What area did you work in? Please try to be as specific as possible, and please expand any acronyms.

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4. (U//~~FOUO~~) What were the most significant achievements of KRSOC (NSA/CSS Hawaii) during your time there? What do you see as KRSOC (NSA/CSS Hawaii)'s biggest contribution to the US Cryptologic community?

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1. (U//~~FOUO~~) What years were you assigned to Menwith Hill Station? (Note: if more than one tour, include all)2. (U//~~FOUO~~) Was Menwith Hill Station your only field tour and, if not, what other NSA field site(s) were you assigned to?3. (U//~~FOUO~~) What was your job title at Menwith Hill Station? What did you do? What area did you work in? Please try to be as specific as possible, and please expand any acronyms.

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• 9/11 Questionnaire

4. (U//~~FOUO~~) What were the most significant achievements of Menwith Hill Station during your time there? What do you see as Menwith Hill Station's biggest contribution to the US Cryptologic community?

5. (TS//SI) What changes in mission occurred during your tour at Menwith Hill Station?

6. (U//~~FOUO~~) If you were at Menwith Hill Station during a transition from one Cryptologic Host to another, what impact did you notice?

7. (U//~~FOUO~~) What physical changes have you seen on the base and specifically in Ops during your field tour? Please describe the physical appearance of the facility while you were there.

8. (U//~~FOUO~~) What non-work related organizations did you belong to?

9. (U//~~FOUO~~) To help us build a timeline, during your tour(s) do you recall the first arrival of people from various Agencies, Departments, Services and/or Contracting Firms? Can you recall the month and year? Similarly, can you recall the final departure of all personnel from an Agency, Department, Service and/or Contracting Firm? Again, what was the month and year?

10. (U//~~FOUO~~) Do you have any memorable moments or experiences you'd be willing to share about your job, the site, and/or the local community? Please describe briefly.

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11. (U) Would you be willing to participate in an oral history of your experiences? Yes ☐

12. (U) Other Comments?

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Have You Served At Bad Aibling Station

(U//~~FOUO~~) The Center for Cryptologic History (CCH) needs your help to document and preserve the history of Bad Aibling Station. Your personal accounts of events, assignments, projects, or personalities are invaluable to our historians and researchers. Please take a moment to complete the questionnaire and return it, **appropriately classified** either by pressing the [SUBMIT] button at the end or by mail to: **CCH/EC, NSA, SAB 2, Door 22, Suite 6886**.

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Name:

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1. (U//~~FOUO~~) What years were you assigned to Bad Aibling Station? (Note: if more than one tour, include all)

2. (U//~~FOUO~~) Was Bad Aibling Station your only field tour and, if not, what other NSA field site(s) were you assigned to?

3. (U//~~FOUO~~) What was your job title at Bad Aibling Station? What did you do? What area did you work in? Please try to be as specific as possible, and please expand any acronyms.

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4. (U//~~FOUO~~) What were the most significant achievements of Bad Aibling Station during your time there? What do you see as Bad Aibling Station's biggest contribution to the US Cryptologic community?

5. (TS//SI) What changes in mission occurred during your tour at Bad Aibling Station?

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10. (U//~~FOUO~~) Do you have any memorable moments or experiences you'd be willing to share about your job, the site, and/or the local community? Please describe briefly.

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11. (U) Would you be willing to participate in an oral history of your experiences? Yes ☐
12. (U) Other Comments?

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Where Were You on September
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Memorialization List

NSA/CSS WASHINGTON

Buildings

- William & Elizebeth Friedman Building [formerly OPS1]
- Frank B. Rowlett Building [formerly OPS3]
- Louis Tordella Supercomputer Building

Interior Facilities

- BG Bernard Ardisana Conference Room [SID]
- Howard C. Barlow Auditorium [FANX III]
- Paul Boudreaux Conference Room [Lab for Physical Science]
- LTG Ralph J. Canine Suite [Ops 2B]
- William & Elizebeth Friedman Auditorium
- James M. Kline Watch Center [DEFSMAC]
- Richard C. Proto Symposium Center [R&E]
- Charles Tevis Conference Room [DEFSMAC]
- Norman Wild Auditorium [ADET, FANX 2]

Roads

- LTG Ralph Canine, USA
- RADM Jefferson Dennis, USN
- Hugh Erskine
- Henry Herczog
- Joseph Ream
- LTG John Samford, USAF
- RADM Joseph Wenger, USN
- Dr. William Wray

NSA/CSS COLORADO

Buildings

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• 9/11 Questionnaire

According to a facilities map, all buildings are identified by letter.

The complex is located along Aspin Drive, named after the late U.S. Representative, Les Aspin.

NSA/CSS GEORGIA

Buildings

- Back Hall [Fort Gordon originated; MG George I. Back, USA Chief Signal Officer, 1951-55]
- Rybicki Annex [GYSgt Timothy Rybicki of NSAG]

Interior Facilities

None so far.

NSA/CSS HAWAII

Buildings

Jerome P. Rapin Naval Heritage Library

NSA/CSS TEXAS

Buildings

According to base maps, all buildings are numbered.

CORRY STATION

Buildings

- Carmichael Hall [Bldg 3744, named for LCDR (ret) Carmichael, training pioneer]
- Graves Hall [Bldg 1090, named for CT01 Graves, KIA on USS *Liberty*]
- Kidder Hall [Bldg 511, named for Chief Radioman Kidder, OTRG member and instructor]
- Mast Hall [Building 3781, named for CDR Peter Mast, cryptologist on CNET staff; died during tour of duty at Corry Station]
- McGregor Hall [Bldg 514, named for Chief Radioman McGregor, OTRG member and instructor]
- Smith Hall [Bldg 1084, named for CTOC Smith, KIA on the USS *Liberty*]

Interior Facilities

- Baxter Auditorium [Bldg 3783, rm 107, named for CTOCM Gene Baxter, retired, long-time NSG civilian, cryptologic resource planning expert]
- Gill Training Room [Bldg 3783, rm 172, named for Captain David Gill, ret, former Corry Station commanding officer]
- Dan Lynch Conference Room [Bldg 513, rm 134, named for LT (LDO) Daniel Lynch, retired, electronic maintenance and planning expert]
- Charlie Walters Memorial Library [Bldg 511, rm 118, named for former Force Master Chief, NSG Command]

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Buildings
<ul style="list-style-type: none"> Price Gymnasium [for CT12 Patrick Price, who was on EA-3B that crashed on USS Nimitz in 1986]
Ft. Huachuca
Buildings
<ul style="list-style-type: none"> Friedman Hall [Building 63902; William Friedman was a member of the predecessor organization to INSCOM as well as NSA] Hitt Hall [Building 81401, HQ of the 309th MI Battalion, named for Colonel Parker Hitt]
Interior Facilities
<ul style="list-style-type: none"> Classroom in the Noncommissioned Officer Academy [Dedicated to Command Sergeant Major Odell Williams]
KELLY AFB
Buildings
<ul style="list-style-type: none"> Ardisana Hall [Building 2000 on Security Hill, named for BG Bernard Ardisana, Vice Commander, USAFSS, who died in January 1978] Mike Fuller Memorial Field [softball field on Security Hill, named for Senior Airman Michael A. Fuller, who died during a game] Gillum Fitness Center [Building 2086 on Security Hill, named for A1C Doyle G. Gillum, who died in a vehicle accident in December 1994 at Offutt AFB] Rodney H. Gott Dining Hall [Building 2041, on Security Hill, named for TSgt Rodney H. Gott, KIA in February 1969, flying out of Pleiku Air Base] Hall Boulevard [on Security Hill, named for Staff Sergeant Elmore L. Hall, killed in crash near Phu Cat in 1969] Bernard A. Larger Auditorium [Building 2007 on Security Hill, named for Colonel Bernard A. Larger, chief of staff of the Electronic Security Command in 1981] Leftwich Dormitory [Building 2013 on Security Hill, named for TSgt Raymond F. Leftwich, KIA in March 1967, flying out of Nha Trang Air Base] Parrish Hall [Building 2167, West Wing, on Security Hill, named for TSgt Ernest R. Parrish, 381st Intelligence Squadron, killed while performing duties in September 1995, flying out of Elmendorf AFB] Polifka Hall [Building 2167, East Wing, on Security Hill, named for Colonel Karl L. "Pop" Polifka, commander of the 67th Tactical Reconnaissance Wing, killed in action in July 1951] Stapleton Park [on Security Hill, named for MGen Carl Stapleton]
MISAWA AIR BASE
Buildings
<ul style="list-style-type: none"> Clever Memorial Hall [Building 1500, named for TSgt Louis J. Clever, KIA in February 1969, out of Pleiku]

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<ul style="list-style-type: none"> • Dorsey Memorial Hall [Building 1522, named for SSgt James W. Dorsey Jr., KIA February 1969, out of Pleiku] • Robert D. Edgren High School [former 6920 ESS and Misawa Base commander] • Gott Memorial Hall [Building 1523, named for TSgt Rodney Gott, KIA February 1969 out of Pleiku] • Land Memorial Ski Lodge [A1C Charles D. Land, KIA in March 1967 in crash of C-47 out of Nha Trang] • Lunny Youth Center [named for CDR Francis M. Lunny, NSGA Misawa XO and Boy Scout scoutmaster] • McNeill Memorial Auditorium [Sgt Clarence L. McNeill, KIA at Pleiku in February 1969]
ROADS
<ul style="list-style-type: none"> • Reese Road [named for A1C Daniel C. Reese, KIA March 1967, in crash of C-47 out of Nha Trang]
OTHER
<ul style="list-style-type: none"> • Leftwich Memorial Picnic Area [TSgt Raymond F. Leftwich, KIA in March 1967 in C-47 crash near Nha Trang]
QUANTICO, VA
Buildings
<ul style="list-style-type: none"> • Alfred M. Gray Research Center [named for the former Commandant of the USMC]
SUGAR GROVE, WV
Buildings
<ul style="list-style-type: none"> • Raymond O. Lynn Operations Center [Chief Lynn was KIA aboard the USS <i>Liberty</i>]
Yakima Research Station
Interior Facilities
<ul style="list-style-type: none"> • Bill H. Ammon Learning Center [Named after Bill H. Ammon, Chief of Station, Yakima Research Station, 1995-1996] • Cunningham Conference Room [in honor of Mr. Duane "Dewey" Cunningham, a YRS employee who tragically passed away in 2008 while on duty at YRS]
Roads
<ul style="list-style-type: none"> • Jack G. Daniels Way [Road into Yakima Research Station, named for Jack G. Daniels, first Chief of Station and only two time CoS: 1972-1977 and 1985-1988]
OTHER LOCATIONS IN THE ENTERPRISE
N/A

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This general list is for the guidance of NSA/CSS personnel in selecting professional reading; the CCH does not endorse purchase of individual books. Conversely, the absence of any book from this list does not imply disapproval by the CCH.

For readers interested in books about general intelligence matters, the CIA posts a listing of books by categories on its unclassified website on the world wide web at www.cia.gov.

The Center for Cryptologic History has an extensive list of classified and unclassified books, brochures, and articles on our professional and organizational history. To find the available titles and order on-line, just follow the links on this web site.

In addition to the CCH backlist of publications, the following books are recommended reading:

To Start With:

General Cryptologic History

- J. V. Boone, [A Brief History of Cryptology](#) (Annapolis: Naval Institute Press, 2005)
- David Kahn, [The Codebreakers](#).
- Simon Singh, [The Code Book](#).

Beginnings through World War II

- David Alvarez, [Secret Messages: Codebreaking and American Diplomacy, 1930-1945](#) (Lawrence: University Press of Kansas, 2000).
- Stephen Budiansky, [Battle of Wits: the Complete Story of Codebreaking in World War II](#) (New York: The Free Press, 2000).
- David Kahn, [Seizing the ENIGMA](#) (Boston: Houghton Mifflin, 1991).
- Barbara Tuchman, [The Zimmermann Telegram](#) (New York: MacMillan Publishing Co. Inc., 1966).

VENONA

- John Earl Haynes & Harvey Klehr, [VENONA: Decoding Soviet Espionage in America](#) (New Haven: Yale University Press, 1999).

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In-Depth Studies

Beginnings through World War II

- Ralph Bennett, ULTRA in Mediterranean Strategy.
- Ralph Bennett, ULTRA in the West.
- Aileen Clayton, The Enemy is Listening (Hutchinson, 1980).
- Edward J. Drea, MacArthur's ULTRA: Codebreaking and the War Against Japan, 1942-1945 (University Press of Kansas, 1992).
- Ernest Hinrichs, Listening In: Intercepting German Trench Communications in World War I (Shippensburg: White Mane Books, 1996).
- Harry Hinsley & Alan Strip, Codebreakers: the Inside Story of Bletchley Park (Oxford: Oxford University Press, 1993).
- Andrew Hodges, Alan Turing: The Enigma (New York: Simon & Schuster, 1983).
- David Kahn, The Reader of Gentlemen's Mail (Yale, 2004).
- Wladyslaw Kozaczuk, ENIGMA: How the Poles Broke the Nazi Code (New York: Hippocrene Books Inc., 2004).
- Kenneth Macksehy, The Searchers (Cassell, 2003).
- Thomas Parrish, The Ultra Americans: the U.S. Role in Breaking the Nazi Codes (New York: Stein & Day, 1986).
- Doris Paul, The Navajo Code Talkers (Pittsburgh: Dorrance Publishing Co. Inc., 1973).
- Joseph Persico, Roosevelt's Secret War: FDR and World War II Espionage (New York: Random House, 2001).
- Jak P. Mallmann Showell, German Naval Code Breakers (Annapolis: Naval Institute Press, 2003).
- Michael Smith, The Emperor's Codes (Bantam Press, 2000).
- Michael Smith, Station X: the Codebreakers of Bletchley Park (London: Channel 4 Books, 1998).
- Michael Smith & Ralph Erskine, Action This Day (London: Bantam Press, 2001).
- Alan Stripp, Codebreaker in the Far East (Frank Cass, 1989).
- Nigel West, The SIGINT Secrets: the Signals Intelligence War, 1900 to Today (New York: William Morrow & Co., 1986) [UK title: GCHQ].

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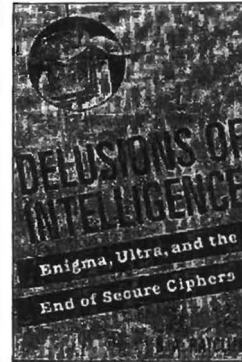
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Carl Boyd, Hitler's Japanese Confidant: General Oshima Hiroshi and MAGIC Intelligence, 1945-1945 (Lawrence: University Press of Kansas, 1993).



Jim DeBrosse and Collin Burke, The Secret in Building 26: The Untold Story of America's ULTRA War Against German U-Boats (New York: Random House, 2004).



R. A. Ratcliff, Delusions of Intelligence: ENIGMA, ULTRA, and the End of Secure Ciphers (Cambridge University Press, 2006).



Bradley F. Smith, The ULTRA-MAGIC Deals and the Most Secret Special Relationship, 1940-1946 (Novato, Calif: Presidio Press, 1993).

Cryptography

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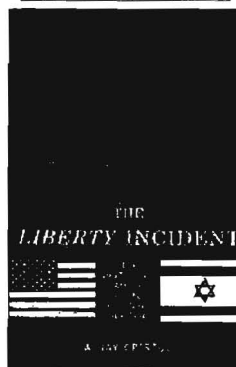


Leo Marks, Between Silk and Cyanide: A Codemaker's War, 1941-1945 (New York: The Free Press, 1998).

Cryptography & Computer Development

- Colin Burke, Information and Security

Post-World War II

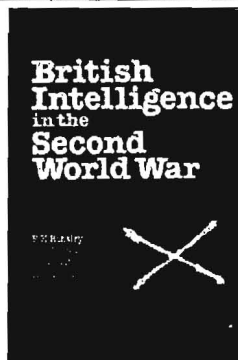


A. Jay Cristol, The Liberty Incident: the 1967 Israeli Attack on the U.S. Navy Spy Ship (Washington: Brassey's Inc.,

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2002).

For Ultimate Reference

F. H. Hinsley, British Intelligence in the Second World War five vols. (London: Her Majesty's Stationery Office).

USE WITH CARE

The following books have importance for the study of cryptologic history, but should be used with care for a variety of reasons:

- Robert J. Lamphere & Tom Shachtman, The FBI-KGB War: a Special Agent's Story (New York: Random House, 1986).
- Rear Admiral Edwin T. Layton, with Captain Roger Pineau and John Costello, "And I Was There": Pearl Harbor and Midway -- Breaking the Secrets (New York: William Morrow & Co., 1985).
- Ronald Lewin, ULTRA Goes to War: the First Account of World War II's Greatest Secret. Based on Official Documents (New York: McGraw-Hill, 1978) or The American Magic.
- F. W. Winterbotham, The Ultra Secret (London: Weidenfeld and Nicholson, 1974).
- Herbert O. Yardley, The American Black Chamber (available in various reprint editions).

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Objective, meaningful historical support to the National Security Central Security Service leadership and work force to enhance decision cryptologic knowledge, and esprit de corps

an understanding of cryptologic history for the United States Intelligence Community, the Department of Defense, other government agencies, academia, and the general public

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27 Mar 09	New Publication - (U) Learning from the Enemy: The GUNMAN Project
19 Mar 09	New Publication - (U) Candle in the Dark: COMINT and Soviet Secrets, 1946-1956

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Advance an understanding of cryptologic history for the United States Intelligence Community, the Department of Defense, other government agencies, academia, and the general public

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01 May 09	New Publication - (U) The Collected Writings of Brigadier John H. Tiltman
27 Mar 09	New Publication - (U) Learning from the Enemy: The GUNMAN Project
19 Mar 09	New Publication - (U) Candle in the Dark: COMINT and Soviet secrets, 1946-1956

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Center for Cryptologic History Mission

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Provide objective, meaningful historical support to the National Security Agency/Central Security Service leadership and work force to enhance decision making, cryptologic knowledge, and esprit de corps

Advance an understanding of cryptologic history for the United States Intelligence Community, the Department of Defense, other government agencies, academia, and the general public

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