950 Soldiers Drive
Carlisle Barracks, PA 17013-5021
20 May 2011

CRYPTOLOGY IN EUROPE, WWII
WITH EMPHASIS ON ULTRA

A <u>Working</u> Bibliography of MHI Sources

<u>CONTENTS</u>

<u>ULTRA</u>=Allied interception and decoding of radio transmissions encoded by Germany's <u>ENIGMA</u> device. A well-kept secret until 1977 revelations by Winterbotham (cited below).

<u>GENERAL SOURCES</u>

Ameringer, Charles D. <u>U.S. Foreign Intelligence: The Secret Side of American History</u>. Lexington,
        MA: Heath, 1990. 459 p. JK468.I6.A84.
                See Chap 13.

Boyd, Carl. <u>Hitler's Japanese Confidant: General Oshima Hiroshi and Magic Intelligence, 1941-45</u>.
        Lawrence, KS: U KS, 1993. 270 p. D810.C88.B69.

Brown, Anthony Cave. <u>Bodyguard of Lies</u>. NY: Harper & Row, 1975. 947 p. D810.S7.C36.
                See Chaps 1 & 2 of Pt I, plus index.

Budiansky, Stephen. "The Difficult Beginnings of US-British Codebreaking Cooperation." In
        <u>American-British-Canadian Intelligence Relations, 1939-2000</u>. Portland, OR: Frank Cass, 2000.
        pp. 49-73. JK468.I6.A838.

Burns, Thomas L. <u>The Quest for Cryptologic Centralization and the Establishment of NSA: 1940-1952</u>.
        Fort George G. Meade, MD: Center for Cryptologic History, NSA, 2005. 129 p.
        U103.4.U6.U76.

Calvocoressi, Peter. Top Secret Ultra. NY: Pantheon, 1980. 132 p. D810.C88.C34.

Copeland, B. Jack, and others. Colossus: The Secrets of Bletchley Park's Codebreaking
       Computers. NY: Oxford, 2006. 462 p. D810.C88.C66.

Garlinski, Jozef. The Enigma War. NY: Scribner's, 1979. 219 p. D810.S7.G32.

Gladwin, Lee A. "Cautious Collaborators: The Struggle for Anglo-American Cryptanalytic Cooperation
       1940-43." In Allied and Axis Signals Intelligence in World War II, cited above, pp. 119-45.
       D810.C88.A45.

_____. "Alan Turing, Enigma, and the Breaking of German Machine Ciphers in World War II."
       Prologue (Fall 1997): pp. 202-17. Per.

Great Britain. Public Records Office. Ultra docs on microfilm. NY: Clearwater, n.d. Micro.
              Messages received from 22 Nov 1943 to Apr-May 1945, 73 rolls. Roll #74 begins Cairo
              series, Mar-May 1941 to Roll #139, 18 Jul 1943. (104 rolls in all).

Field, J.V. "British Cryptanalysis: The Breaking of 'Fish' Traffic." In Scientific Research in World
              War II: What Scientists Did in the War. NY: Routledge, 2009. pp. 213-31. D810.S2.S25.

Haldane, Robert A. The Hidden War. NY: : St. Martin's, 1978. 224 p. D810.C88.H34.

Halter, Jon C. Top Secret Projects of World War II. NY: Wanderer, 1978. 192 p. D743.7.H34.
              See Chap 1.

Hines, Bill. "Operation CODENAME" Infantry Journal (Mar 1947): pp. 42-43. Per.

Hodges, Andrew. Alan Turing: The Enigma. NY: Simon & Schuster, 1983. 587 p. QA29.T8.H63.
              Biography of British mathematician who created ULTRA.

Jones, R.V. The Wizard War: British Scientific Intelligence, 1939-1945. NY: Coward, McCann &
       Geohegan, 1978. 556 p. D810.C88.J66.

Lester, Robert E., editor. Top Secret Studies on U.S. Communications Intelligence During World War II.
       Bethesda, MD: UPA, 1989. 52 reels, microfilm. D810.C88.T66Microfilm.
              Commercial edition of NSA Cryptologic documents collection, WWII (Ultra & Magic).
              Divided into ETO (5 reels) & Pacific (47 reels). Includes published guides for each
              theater.

Lewin, Ronald. "A Signal-Intelligence War." In The Second World War: Essays in Military and
       Political History. [Edited by Walter Laqueur] Beverly Hills, CA: SAGE, 1982. pp. 184-94.
       D743.S386.

_____. Ultra Goes to War: The First Account of World War II's Greatest Secret Based on Official
       Documents. NY: McGraw-Hill, 1978. 398 p. D810.S7.L43.

Macksey, Kenneth. <u>Without Enigma: The Ultra and Fellgiebel Riddles</u>. Surrey, England: Ian Allen,
          2000. 160 p. D810.C88.M37.

Murray, Williamson. "Ultra: Some Thoughts on Its Impact on the Second World War." <u>World War II:
          Crucible of the Contemporary World</u>. Armonk, NY: Sharpe, 1991. pp. 227-42. D743.W657.

O'Toole, G.J.A. <u>The Encyclopedia of American Intelligence and Espionage: From the Revolutionary
          War to the Present</u>. NY: Facts on File, 1988. 539 p. UB271.U5.O85.
                    Includes index, as well as alphabetical main entries.

Russell, Francis. <u>The Secret War</u>. Alexandria, VA: Time-Life Books, 1981. 208 p. D810.S7.R84

Shanahan, Phil. <u>The Real Enigma Heroes</u>. Gloucestershire, England: The History Press, 2008. 223 p.
          D811.A2.S54.

Shrader, Charles R., editor. <u>Reference Guide to United States Military History 1919-1945</u>. NY: Facts
          on File, 1994. pp. 275-76. E181.R44.

Smith, Bradley F. <u>The Ultra-Magic Deals: and the Most Special Relationship, 1940-46</u>. Novato, CA:
          Presidio, 1993. 270 p. D810.C88.S65.
                    American-British cooperation.

<u>ULTRA, MAGIC, and the Allies</u>. Vol. 1 of <u>Covert Warfare</u> series. NY: Garland, 1989. ca 300 p.
          D810.S7.C66v1.
                    Reprints 10 NSA historical reports (SRHs).

U.S. National Security Agency. "Cryptologic Documents Offered to and Accepted by the National
          Archives of the United States." Selected docs, including Ultra-related items. Approx 250
          photocopied docs. National Security Agency-SRH Collection-Arch.

Watkins, Gwen. <u>Cracking the Luftwaffe Codes: The Secrets of Bletchley Park</u>. St Paul, MN: MBI Pub,
          2006. 231 p. D810.C88.W38.

West, Nigel. <u>The Sigint Secrets: The Signals Intelligence War, 1900 to Today</u>. NY: Morrow, 1988.
          347 p. JN329.I6.W47.
                    See index.

Winterbotham, F.W. <u>The Ultra Secret</u>. NY: Harper & Row, 1974. 199 p. D810.S7.W49.
                    First major revelation of the solving of German Enigma cipher.

See also:
-USAREUR Foreign Military Studies (D739F6713) covering German codes:
          #P-038, pp. 113-16, 198-201 & 251-65.
          #P-041k, pp. 33-38.
          #P-140

BIBLIOGRAPHY & HISTORIOGRAPHY

Bertrand, Gustave. Enigma: ou la plus Grande Enigme de la guerre 1939-45. Paris: Plon, 1973. 295 p.
       D810.S7.B4.
             Brief references to Ultra secret before its public revelation.

Blumenson, Martin. "Will 'Ultra' Rewrite History?" Army (Aug 1978): pp. 42-49. Per.

Cochran, Alexander S., Jr. "'Magic', 'Ultra', and the Second World War: Literature, Sources, and
       Outlook." Military Affairs (Apr 1982): pp. 88-92. Per.
             Bibliographic essay.

Deutsch, Harold. "The Historical Impact of Revealing the Ultra Secret." Parameters (No 3, 1977):
       pp. 16-32. Per.

_____. "The Influence of Ultra on World War II." Parameters (Dec 1978): pp. 2-15. Per.

Dunn, Walter S., Jr. "The Ultra Papers." Military Affairs (Oct 1978): pp. 134-35. Per.
             His evaluation of the files.

Galland, Joseph S. An Historical and Analytical Bibliography of the Literature of Cryptology.
       Evanston, IL: Northwestern U, 1945. Z103.A1.G3.

Glenwright, Frederick M. "Eisenhower, ULTRA, and the National Redoubt." PhD dss, PA State, 1999.
       255 p. D810.C88.G54.

Kahn, David. "How the Allies Suppressed the Second Greatest Secret of World War II." Journal of
       Military History (Oct 2010): pp. 1229-41. Per.

_____. "The Ultra Conference." American Committee on the History of the Second World War
       Newsletter (Fall 1979): pp. 34-42. Per.
             Report of conference of international cryptologists.

Murray, Williamson. "Ultra: Some Thoughts on Its Impact on the Second World War."
       Air University Review (Jul/Aug 1984): pp. 52-64. Per.

Sebag-Montefiore, Hugh. Enigma: The Battle for the Code. NY: John Wiley, 2000. 422 p.
       D810.C88.S43.

Smith, Bradley F. "New Intelligence Releases: A British Side to the Story." In Allied and Axis Signals
       Intelligence in World War II. Portland, OR: Frank Cass, 1999. pp. 168-75. D810.C88.A45.

Spiller, Roger J. "Assessing Ultra." Military Review (Aug 1979): pp. 13-23. Per.
             Cautionary note about Ultra's role in operations and revising WWII history.

Syrett, David. "The Secret Wars and the Historians." <u>Armed Forces and Society</u> (Winter 1983):
        pp. 293-328. Per.
                Review essay WWII intelligence, espionage and cryptology.

Zacharias, Ellis M. <u>Secret Missions: The Story of an Intelligence Officer</u>. NY: Putnam's, 1946.
        pp. 88-90. D810.S8.Z3.

TECHNICAL/ADMINISTRATIVE

Bloch, Gilbert. "Enigma Before Ultra: Polish Work and the French Connection." <u>Cryptologia</u> (Jul 81):
        pp. 142-55. Per.

"Breaking Enigma." <u>After the Battle</u> (No 37, 1982): pp. 1-8. Per.
                Description and photos of Bletchley Park, then and now.

Hinsley, F.H., editor. <u>Codebreakers: The Inside Story of Bletchley Park</u>. NY: Oxford, 1993. 321 p.
        D810.C88.C63.
                30 accounts, various aspects.

Kozaczuk, Wladyslaw. <u>Enigma: How the German Machine Cipher was Broken, and How It was Read</u>
        <u>by the Allies in World War II</u>. [Translated from the Polish. n.p] UPA, 1984 reprint of 1979
        edition. 348 p. D810.C88.K6813.

Montagu, Ewen. <u>Beyond Top Secret Ultra</u>. NY: Coward, 1978. 192 p. D810.S7.M66.
                Personal account by former member of British Naval Intelligence.

Parrish, Thomas. <u>The Ultra Americans: The U.S. Role in Breaking the Nazi Codes</u>. NY: Stein & Day,
        1986. 338 p. D810.C88.P36.

Payne, Diana. "My Secret Life with Ultra." <u>After the Battle</u> (No 37, 1982): pp. 9-16. Per.
                Reminiscence of a WRNS assigned to Bletchley, plus photos.

Ratcliff, R.A. "Searching for Security: The German Investigations Into Enigma's Security." In <u>Allied</u>
        <u>and Axis Signals Intelligence in World War II</u>, cited above. pp. 146-67. D810.C88.A45.

Rosengarten, Adolph G., Jr. "With Ultra from Omaha Beach to Weimar, Germany--A Personal View."
        <u>Military Affairs</u> (Oct 1978): pp. 127-32. Per.

Smith, Michael. <u>Station X: Decoding Nazi Secrets</u>. NY: TV Books, 1999. 247 p. D810.C88.S66.

Welchman, Gordon. <u>The Hut Six Story: Breaking the Enigma Codes</u>. NY: McGraw-Hill, 1982. 326 p.
        D810.C88.W44.

Wilson, Tony. "The Enigma Cipher Machine." <u>Canadian Military History</u> (Autumn 1997): pp. 72-78.
Per.
Summary of principles and mechanics.

APPLICATIONS

Bennett, Ralph. "Ultra and Some Command Decisions." In <u>The Second World War: Essays in Military and Political History</u>. [Edited by Walter Laqueur] Beverly Hill, CA: SAGE, 1982. pp. 218-38. D743.S386.

_____. <u>Ultra and Mediterranean Strategy</u>. NY: Morrow, 1989. 496 p. D766.B46.

_____. <u>Ultra in the West: The Normandy Campaign, 1944-45</u>. London: Hutchinson, 1979. 305 p. D7565.N6.B44.

Bradley, Omar N., & Blair, Clay. <u>A General's Life</u>. NY: Simon & Schuster, 1983. 752 p. E745.B7.A34.
See pp. 236-37 and index.

Cochran, Alexander S., Jr. "Protecting the Ultimate Advantage." <u>Military History</u> (Jun 1985): pp. 42-49. Per.
Interview with Donald B. Bussey, one of the 28 American Ultra field specialists.

Collins, Richard. Papers. Arch.
G-2 officer, SHAEF. Includes list of Ultra recipients.

Deutsch, Harold C. "Commanding Generals and the Uses of Intelligence." In <u>Leaders and Intelligence</u>. Totowa, NJ: Cass, 1989. pp. 194-260. UB250.L43.
WWII top commanders analyzed.

DeWeerd, Harvey A. "Churchill, Coventry, and Ultra." <u>Aerospace Historian</u> (Dec 1980): pp. 227-29. Per.

Ferris, John. "The British Army: Signals and Security in the Desert Campaign, 1940-42." <u>Intelligence and Military Operations</u>. [Edited by Michael I. Handel] London: Cass, 1990. pp. 255-91. UB250.I56.

Harouni, Brahim. "How the Anglo-American Invasion of North Africa in November 1942 was Prepared and Realised." PhD dss, U Reading-England, 1987. 377 p. D766.82.H37.
See Chap X discussion of Ultra's role.

Hinsley, F.H., et al. <u>British Intelligence in the Second World War: Its Influence on Strategy and Operations</u>. Vol. 3. Pt 2. NY: Cambridge, 1988. 1038 p. D810.S7.H49v3pt2.
See index.

Irving, David. The Trail of the Fox. NY: Dutton, 1977. 496 p. DD247.R57.I78.
          Some incorporation of Ultra revelations found in this popularly-written biog of Rommel.

Johnson, Thomas M. "Search for the Stolen Sigaba." Army (Feb 1962): pp. 50-55. Per.
          Recovery missing cryptology equipment from HQ, 28th Infantry Division.

MacDonald, Charles B. The Mighty Endeavor: The American War in Europe. NY: Morrow, 1986.
    621 p. D756.M27.
          Includes addendum "The ULTRA Secret", pp. 571-82.

Merillat, Herbert C. "The 'Ultra Weapon' at Guadalcanal." Marine Corps Gazette (No. 9, 1982):
    pp. 44-49. Per.

Parker, Danny S. Battle of the Bulge: Hitler's Ardennes Offensive, 1944-45. Phila: Combined, 1991.
    pp. 42-49. D756.5.A7.P37.

Powell, Lewis F., & Putney, Diane T. ULTRA and the Army Air Forces in World War II. Wash, DC:
    Office AF History, 1987. 197 p. D810.C88.P68.
          Interview w/key participant, plus analytical essay.

Schwedo, Bradford J. XIX Tactical Air Command and ULTRA: Patton's Force Enhancers in the
    1944 Campaign in France. Maxwell AFB, AL: AU Press, 2001. 142 p. D761.S49.

Spector, Ronald H., ed. Listening to the Enemy: Key Document on the Role of Communications
    Intelligence in the War with Japan. Wilmington, DE: Scholarly Resources, 1988. 285 p.
    D810.S7.L49.

Thomas, Martin. "Signals Intelligence and Vichy France, 1940-44: Intelligence in Defeat." In Allied
    and Axis Signals Intelligence in World War II, cited above. pp. 176-200. D810.C88.A45.

U.S. Army. Air Forces. Ultra and the History of the United States Strategic Air Force in Europe vs the
    German Air Forces. Frederick, MD: UPA, 1980. 205 p. D810S7U52.

_____. Third Army. Signal Intelligence Service. "Third Army Radio Intelligence History in Campaign
    of Western Europe." Typescript monograph, 1945. 80 p. D769.36.T44.

Whitlow, Robert S. "Ultra Intelligence Procedures-IX Air Force, July 24, 1944-June 1, 1945."
    Photocopied extracts of 1945 docs held by British Public Records Office. ca 300 p.
    D810.S7.W46.
          Includes ca 250 "Ultra History USAF vs GAF," Feb 1943-May 1945 by LTC Haines,
          plus conclusions last 14 p.

APPLICATIONS-Naval Aspects

Beesly, Patrick. Ultra and the Battle of the Atlantic: The British View. Reprint Cryptologic Spectrum
(Winter 1978): pp. 5-29. D810.S7.B37.

Kahn, David. Seizing the Enigma: The Race to Break the German U-Boat Codes, 1939-43. Boston:
Houghton Mifflin, 1991. 336 p. D810.C88.K34.

Mulligan, Timothy. "The German Navy Evaluates Its Cryptographic Security, October 1941."
Military Affairs (Apr 1985): pp. 75-79. Per.

_____. "The Modernization of German Military Communications: The German Development and Use
of the Enigma Machine and Its Impact on Their U Boat Campaigns in World War II." DA dss,
St. John's-NY, 2000. 117 p. D810.C88.M85.

Nesbit, Roy C. Ultra Versus U-boats: Enigma Decrypts in the National Archives. Barnsley, England:
Pen & Sword Military, 2008. 248 p. D810.C88.N47.

U.S. Navy. "Allied Communication Intelligence and the Battle of the Atlantic." 2 vols. Study OP-20-G,
n.d. ca 400 p. D781.U6.
References to Ultra found in Vol. I, pp. 18, 20, 50-51.

Winton, John. Ultra at Sea. NY: Morrow, 1988. 206 p. D810.C88.W56.