

TCM-CEW

Recommended Reading List

a/o 2 February 2009

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This list of readings is neither exhaustive nor an endorsement of the content of the individual websites that may be listed. To report errors, suggest additions, or request information about this list, send an e-mail to the TCM-CEW at: USACEWPSstratcomm@conus.army.mil

Electronic Warfare

Regulatory Guidance

Joint Publication 3-13.1, *Electronic Warfare*, 25 January 2007: www.fas.org/irp/doddir/dod/jp3-13-1.pdf

Academic Studies

Challenge of future EW system design (Les défis posés par la conception des futurs systèmes EW): papers presented at the Avionics Panel Symposium held in Ankara, Turkey, 18th-21st October 1993. North Atlantic Treaty Organization. Advisory Group for Aerospace Research and Development. Avionics Panel.

DoD Computer Network Operations: Time to Hit the Send Button. Lt. Col. Joseph Glebocki, Jr. (Carlisle Barracks, PA: U.S. Army War College) 15 Mar 08.

Electronic pivot of maneuver: the military intelligence battalion (Combat Electronic Warfare Intelligence) [MI BN (CEWI)]. Patrick Kelly III (Fort Leavenworth, KS : US Army Command and General Staff College) 1993.

URL: "<http://cgsc.cdmhost.com/u/?p4013coll3,1460>" "<http://cgsc.leavenworth.army.mil/carl/images/pdf-logo4.jpg>

Electronic Warfare: A Report on Radar. Joint Board on Scientific Research. Washington, DC: GPO, 1945

The Makara of Hizballah [electronic resource] : deception in the 2006 Summer War.

David A. Acosta (Monterey, Calif.: Naval Postgraduate School) 2007.

URL: "<http://bosun.nps.edu/uhtbin/hyperion-image.exe/07Jun%5FAcosta.pdf>"

"<http://cgsc.leavenworth.army.mil/carl/images/pdf-logo4.jpg>"

Persistent intelligence, surveillance, and reconnaissance dilemma: can the Department of Defense achieve information superiority? Todd C. Hogan (Fort Leavenworth, KS : US Army Command and General Staff College) 2007. URL: "<http://cgsc.cdmhost.com/u/?p4013coll2,1091>"

"<http://cgsc.leavenworth.army.mil/carl/images/pdf-logo4.jpg>"

Promise of persistent surveillance: what are the implications for the common operating picture? David W. Pendall. (Fort Leavenworth, KS: US Army Command and General Staff College) 2005.

URL: "<http://cgsc.cdmhost.com/u/?p4013coll3,362>"

"<http://cgsc.leavenworth.army.mil/carl/images/pdf-logo4.jpg>"

Determining the US Army's Readiness for Tactical Operations in Cyber Space. Andre' Bernard Abadie. (Fort Leavenworth, Kansas: US Army Command and General Staff College) 2008.

"The Radar Eye Blinded: The USAF and Electronic Warfare, 1945-1955," Lt. Col. Daniel Timothy Kuehl (North Carolina: Dissertation (Unpublished) Department of History, Duke University) 1992.

Legacy Articles

"Electronic Countermeasures as a Weapon of War", K. Narasimhan, *Military Review*. XXXV, #7 (October 1955), pp. 83-87.

"Electronic Warfare: a Modern Weapon System", Charles B. Ablett. *Military Review*. XLVI, #11 (November 1966) pp. 3-11.

"Electronic Warfare and Techniques", *Aviation Week*. 58 (17 August 1953) pp. 300-308.

"Historic Duels of Electronic Warfare", *Electronic Warfare*. 7, #2 (April 1975) pp. 44-45.

"The History of Electronic Warfare: or, When the Old Crow as a Fledgling", *Crow Caws I* (September 1966) and *II* (September 1967).

"Trading the saber for stealth: can surveillance technology replace traditional aggressive reconnaissance?" Curtis D. Taylor. (Arlington, Va.: Institute of Land Warfare, Association of the United States Army) 2005.

"Technology and War: a Bibliographical Essay." Alex Roland. In Military Enterprise and Technological Change: Perspectives on the American Experience, ed. Merritt Rope Smith (Cambridge, MA: MIT Press) 1985.

"The Origins of Electronic Warfare." M.T. Thurbon. *RUSIJ*, 122, (September 1977) pp. 56-63.

"Radio Spies - Episodes in the Ether Wars" Bartholomew Lee. ANTIQUE WIRELESS ASSOCIATION REVIEW. Issue 15. 2002, 2006. pp. 1-134. KV6LEE@gmail.com

Recent Articles

"Deconflicting Electronic Warfare in Joint Operations." Arthur F. Huber, Gary Carlberg, Prince Gilliard, and L. David Marquet. *Joint Force Quarterly*, Issue 45, 2d Quarter, 2007, pp. 89-95.

"Electromagnetic Spectrum Operations: The Path to Net-Centric Warfare." COL (Ret.) Ed Francis, *Army Communicator*, Winter 2008: Vol. 33, No. 1, pp. 2-6.

"EW Support for CENTCOM," Lt. Col. Wayne Shaw III, *The Journal of Electronic Defense* (Naylor: Gainesville, FL) March 2008, Vol. 31, No. 3, pp. 31-38.

Books

The SIGINT Secrets: The Signals Intelligence War, 1900 to Today. Nigel West (New York: William Morrow) 1988.

Body of Secrets: How America's NSA and Britain's GCHQ eavesdrop on the world. James Bamford (Century: London, 2001).

Combat Scientists, a volume in the series *Science in World War II: History of the Office of Scientific Research and Development*. Lincoln R. Thiesmeyer and John E. Burchard (Boston, MA: Little, Brown & Co.) 1947.

Deception in War: The Art of the Bluff, the Value of Deceit, and the Most Thrilling Episodes of Cunning in Military History, from the Trojan Horse to the Gulf War. Jon Latimer. (Woodstock NY: The Overlook Press, Peter Mayer Publishing Inc.) 2001.

The Electronic Battlefield. Paul Dickson. Bloomington, IN: Indiana University Press, 1976.

Electronic Countermeasures. Ed. J.A. Biyd, D.B. Harris, D.D. King and H.W. Welch, Jr. (Los Altos, CA: Peninsula Publishing) 1961.

Electronic Warfare: an Illustrated Guide to the Techniques and Equipment of Electronic Warfare. Doug Richardson (New York, NY: Arco Publications) 1985.

Electronic Warfare: Element of Strategy and Multiplier of Combat Power. Don E. Gordon (New York, NY: Pergamon Press) 1981.

Fundamentals of electronic warfare. Sergei A. Vakin (Boston: Artech House) 2001.

Instruments of Darkness: the History of Electronic Warfare. Alfred Price (London: Macdonald and Janes) 1967, 1977.

The History of US Electronic Warfare, Volume I: The Years of Innovation – Beginnings to 1948. Alfred Price (Westford MA: Association of Old Crows) 1984.

The History of US Electronic Warfare, Volume II: The Renaissance Years, 1946 to 1964. Alfred Price (Port City Press. Association of Old Crows) 1989.

Messengers Gods of Battle: Radio, Radar, Sonar, the Story of Electronics in War. Tony Devereux (New York, NY: Brassey's) 1991.

Organizing Scientific Research for War: the Administrative History of the Office of Scientific Research and Development. Irvin Stewart. (Boston, MA: Little, Brown & Co.) 1948.

Die Radarschlact [Radar Battle] 1939-1945: Die Geshichte des Hochfrequenzkrieges. Werner Niehaus (Stuttgarat: Motorbuch Verlag) 1977.

Radar in World War II. (Volume 8 of *The History of Modern Physics, 1800-1950*). (American Institute of Physics, Tomash Publications) 1987.

Scientists and War: the Impact of Science on Military and Civil Affairs. Sir Solly Zuckerman (London: Hannibal Hamilton) 1966.

Secrets of Signals Intelligence During the Cold War and Beyond: From Cold War to Globalization. Matthew M. Aid and Cees Wiebes, Published by Frank Cass ?????

The Signal Corps: the Outcome, a volume in the series *The United States Army in World War II.* (Washington, DC: GPO and US Army Center for Military History) 1966.

The Quick and the Dead: Electronic Combat and Modern Warfare. Neil Munro (New York, NY: St. Martins Press) 1991.

Secrets of computer espionage : tactics and countermeasures. Joel McNamara (Indianapolis, IN: Wiley) 2003. URL: <http://www.loc.gov/catdir/description/wiley0310/2003101869.html>

Soviet Radioelectronic Combat. David G. Chizum (Boulder, CO: Westview Press) 1985.

The Strategy of Electromagnetic Combat. Richard E. Fitts (Los Altos, CA: Peninsula Publishing) 1980.

Tactics and Techniques of Electronic Warfare: Electronic Countermeasures in the Air War Against North Vietnam 1965-1973. Bernard Nalty (Washington, DC: AF/HO, GPO) 1977.

War in the fourth dimension: US electronic warfare, from the Vietnam War to the present. Alfred Price (London : Greenhill and Mechanicsburg, PA: Stackpole) 2001.|
URL: <http://www.loc.gov/catdir/enhancements/fy0660/2001275592-d.html>

Dave Adamy Training Materials

Books

EW 101, A First Course in Electronic Warfare. David Adamy. (Boston: Artech House, Inc.) 2001. ISBN 1-58053-169-5

EW 102, A Second Course in Electronic Warfare. David Adamy. (Boston: Artech House, Inc./ Horizon House Publications, Inc.) 2004.
ISBN 1-58053-686-7

EW Folks, Cartoons and Commentary on the way they see the World. Dave Adamy and Terry Fisk. (Sunnyvale, CA: LYNX Publishing) 1992.

Practical Communication Theory. Dave Adamy. (Sunnyvale, CA: LYNX Publishing) 1994.
ISBN: 1-885897-04-9

Booklets/Pamphlets

A Bird's Eye View of the EW PROFESSION. Dave Adamy and Terry Fisk. (Sunnyvale, CA: EW Crow, Golden Gate Chapter) 1987.

Electronic Warfare Principles and Practice. Dave Adamy. (Sunnyvale, CA: LYNX Publishing) 1995.
ISBN: 1-885897-07-3

Electronic Warfare Simulation. Dave Adamy. (Sunnyvale, CA: LYNX Publishing) 1995.
ISBN: 1-885897-09-X

Electronic Warfare Simulation (Part 2). Dave Adamy. (Sunnyvale, CA: LYNX Publishing) 2000.
ISBN: 1-885897-13-8

Overview of Electronic Protection in Modern Radars. Dave Adamy. (Sunnyvale, CA: LYNX Publishing) no date.

Practical Communication Theory, Exercise Worksheets. Dave Adamy. (Sunnyvale, CA: LYNX Publishing) 1995.

Tactical Battlefield Communications Electronic Warfare. Dave Adamy. (Atwater, CA: Lynx Publishing) 2005.

Tactical Battlefield Comm EW in Class PROBLEMS. Dave Adamy (Sunnyvale, CA: LYNX Publishing) no date.

Technical Aspects of Electronic Warfare for Non-Technical Professionals. David L. Adamy. (Atwater, CA: LYNX Publishing) 2000.
ISBN: 1-885897-12-X

Cyberspace

Academic Studies

Army information centers of gravity: can we protect them? Rosemary M. Carter (Fort Leavenworth, KS : US Army Command and General Staff College) 1999. URL:
<http://cgsc.cdmhost.com/u/?p4013coll3,611>; <http://cgsc.leavenworth.army.mil/carl/images/pdf-logo4.jpg>

Computer network attack and the laws of armed conflict: searching for moral beacons in twenty-first-century cyberwarfare. Mathew E. Haber (Fort Leavenworth, KS : U.S. Army Command and General Staff College) 2002. |URL: <http://cgsc.cdmhost.com/u/?p4013coll2,274> ; <http://cgsc.leavenworth.army.mil/carl/images/pdf-logo4.jpg>

Dominating cyberspace. Richard A. Radice (Carlisle Barracks, Pa.: U.S. Army War College) 2007. <http://handle.dtic.mil/100.2/ADA468855>"; "<http://cgsc.leavenworth.army.mil/carl/images/pdf-logo4.jpg>

Express lanes and potholes of the information superhighway: the internet and the operational planner. Michael G. Koba (Fort Leavenworth, KS : US Army Command and General Staff College) 1997. |URL: <http://cgsc.cdmhost.com/u/?p4013coll3,963>; <http://cgsc.leavenworth.army.mil/carl/images/pdf-logo4.jpg>

Information Operations, Electronic Warfare, and Cyberwar: Capabilities and Related Policy Issues. CRS Report for Congress. 20 March 2007.

Policy Consequences and Legal/Ethical Implications of Offensive Information Operations and Cyberattack. Herbert Lin. Computer Science and Telecommunications Board, National Academies, 25 August 2006.

Recruiting and retaining cyberwarriors. Roger H. Westermeyer (Carlisle Barracks, Pa.: U.S. Army War College) 2008. <http://handle.dtic.mil/100.2/ADA478276>; <http://cgsc.leavenworth.army.mil/carl/images/pdf-logo4.jpgborder>

Terrorist use of the internet and related information technologies. Patrick S. Tibbetts (Fort Leavenworth, KS: US Army Command and General Staff College) 2002. URL: "<http://cgsc.cdmhost.com/u/?p4013coll3,213>" "<http://cgsc.leavenworth.army.mil/carl/images/pdf-logo4.jpg>

When does a ‘hacker’ become an ‘attacker?’ David C. Are (Fort Leavenworth, KS: US Army Command and General Staff College) 1998. URL: <http://cgsc.cdmhost.com/u/?p4013coll3,613>; <http://cgsc.leavenworth.army.mil/carl/images/pdf-logo4.jpg>

Legacy Articles

TBD

Recent Articles

“Ask the Cyber-Insurgent: Are Information Operations a decisive form of operational warfare?” MAJ Jan C. Norris, *Army Communicator*, Winter 2008, Vol. 33, No. 1, pp. 15-19.

“Cyber Mobilization: The Neglected Aspect of Information Operations and Counterinsurgency Doctrine,” Timothy L. Thomas. Chapter 18 of *Countering Terrorism and Insurgency in the 21st Century (Three Volumes): International Perspectives*. Ed. James J.F. Forest (Westport, Conn: Praeger Security International - Multi-Volume) 2007. ISBN -10: 0275990343

“Cyber Influence and International Security.” Franklin D. Kramer and Larry Wentz. *Defense Horizons*. (Center for Technology and National Security Policy, National Defense University) No. 61, January 2008.

“Dark Screen Sheds Light on Cyberspace Security Issues.” Dr. Gregory B. White and Joe H. Sanchez Jr. *SIGNAL Magazine*. January 2007.

“I-Power: The Information Revolution and Stability Operations.” Franklin D. Kramer, Larry Wentz, and Stuart Starr. *Defense Horizons*. (Center for Technology and National Security Policy, National Defense University) No. 55, February 2007

“Moore’s Law: A Department of Defense Perspective.” Gerald M. Borsuk and Timothy Coffey, *Defense Horizons*, (Center for Technology and National Security Policy, National Defense University) No. 30, July 2003.

“Strategic Fragility: Infrastructure Protection and National Security in the Information Age.” Robert A. Miller and Irving Lachow. *Defense Horizons* (Center for Technology and National Security Policy, National Defense University) No. 59, January 2008.

“*Terrorists Turn to Web as Base of Operations*,” Steve Coll and Susan B. Glasser (Washington Post: Aug 7, 2005) p. A01.

Books

Beyond boundaries : cyberspace in Africa. Robert L. Hilliard (Portsmouth, NH : Heinemann) 2002.

Building the virtual state : information technology and institutional change. Jane E. Fountain (Washington, DC: Brookings Institution Press) 2001.

Conquest in cyberspace : national security and information warfare. Martin C. Libicki (New York: Cambridge University Press) 2007. URL: <http://www.loc.gov/catdir/toc/ecip071/2006030973.html>
Table of contents only

Cybersecurity and homeland security. Lin V. Choi (New York : Nova Science Publishers, Inc.) 2005. URL: <http://www.loc.gov/catdir/toc/fy0608/2006274985.html>, Table of contents

Cyber security: turning national solutions into international cooperation. James Andrew Lewis (Washington, DC: CSIS Press, Center for Strategic and International Studies) 1953, 2003.

CyberSilhouettes. Timothy L. Thomas (Fort Leavenworth, KS: Foreign Military Studies Office) 2005.

Cyberspace and the use of force. Walter Gary Sharp (Falls Church, Va.: Aegis Research Corp) 1999.

The Dark Visitor. Scott J. Henderson (Fort Leavenworth, KS : FMSO) 2007.

Defending cyberspace, and other metaphors. Martin C. Libicki (Washington : National Defense University: U.S. G.P.O., Supt. of Docs) 1997.

Flying and fighting in cyberspace. Sebastian M. Convertino (Maxwell Air Force Base, Ala.: Air University Press) 2007.

Global organized crime : the new empire of evil. Linnea P. Raine (Washington, DC : Center for Strategic and International Studies) 1994.

The intensification of surveillance: crime, terrorism, and warfare in the information age. Kirstie Ball (London: Pluto Press) 2003.

Islam in the digital age: e-Jihad, online fatwas, and cyber Islamic environments. Gary R. Bunt (London: Sterling, Va.: Pluto Press) 2003.

The law of information conflict : national security law in cyberspace. Thomas C. Wingfield (Falls Church, Va.: Aegis Research Corp) 2000.

Masters of deception : the gang that ruled cyberspace. Michelle Slatalla (New York: New York : HarperCollins) 1995.