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As of 8 March 2018



David E. Johnson, Ph.D.

Colonel, U.S. Army, Retired

**Professional
Experience**

August 1998 – September 2016 RAND, Arlington, Virginia

Principal Researcher**Research Expertise:**

- Military strategy and capabilities for national security policy options
- Military doctrine and organization
- Civil-military relations
- Military innovation and transformation
- Military history
- Professional Military Education (PME)

April 2016-Present United States Military Academy, West Point, New York

Adjunct Scholar, Modern War Institute at West Point

July 2010-Present Georgetown University, Washington, D.C.

Adjunct Professor, Program for Peace and Security Studies, Georgetown University

September 2016-September 2017 Center for Strategic and Budgetary Assessments (CSBA) Washington, D.C.

Senior Fellow

August 1998 – September 2016 RAND, Arlington, Virginia

Principal Researcher

June 2012-July 2014 U.S. Army, Arlington, Virginia

Director, Chief of Staff of the Army Strategic Studies Group (on loan to U.S. Army from RAND via Intergovernmental Personnel Act)

- Established and led the first Chief of Staff of the Army Strategic Studies Group (29 military and civilian fellows and support staff) for General Raymond T. Odierno in accomplishing its mission of conducting independent, unconventional research and analysis, as directed by the Chief of Staff of the Army, to generate innovative strategic and operational concepts for the future employment of the Army. The director reports only to the Chief of Staff, U.S. Army.

February 1997-August 1998 Science Applications International Corporation (SAIC) San Diego, California

Vice President—Chief of Staff and Special Assistant to the President, Chief Operating Officer, and Vice Chairman of the Board

1994-1997 National Defense University (NDU), Washington, D.C.

Director of Academic Affairs, Chief of Staff, and Professor (National War College and Information Resources Management College)

1972-1997 U.S. Army

United States Regular Army Officer

- Served twenty-four years as a Regular Army officer (Infantry, Quartermaster Corps, and Field Artillery).
- Served in command and staff positions in the mainland United States, Hawaii, Korea, Germany, and Belgium.
- Retired in the rank of Colonel.

**Honors,
Awards, and
Selections**

RAND President's Award (2009); RAND "Gold" Merit Bonus Award (2007 and 2012); RAND "Bronze" Merit Bonus Award (2011).

SAIC (Science Applications International Corporation) Publication Prize for Policy/Economics/Arms Control, 1997.

President's Strategic Vision Award for Excellence in Research/Writing," National Defense University, 1994.

Selected to present the inaugural Dr. James J. Whalen Memorial Lecture at the U.S. Army War College, given April 3, 2002, titled "Learning to Change: The Role of Military Education in Transformation."

Selected to present the Association of the U.S. Army Institute of Land Warfare Lyman Lemnitzer Lecture, given February 16, 2018, titled "Whither the American Blitzkrieg, based on book *Fast Tanks and Heavy Bombers: Innovation in the U.S. Army, 1917-1945*. Video at: <https://www.ausa.org/events/ilw-lemnitzer-lecture-david-johnson-phd/sessions/lemnitzer-lecture-video-david-johnson-phd>

Member, Defense Science Board 2008 Summer Study on Capability Surprise.

Member, Defense Science Board 2016 Summer Study on Capabilities for Constrained Military Operations

Member, U.S. Army Maneuver Center of Excellence Senior Advisory Board (2011-2014).

Member, U.S. Army Fires Center of Excellence Senior Advisory Board (2012).

Appointed as a consultant to the Army Science Board (2015).

Member board of directors, United States Field Artillery Association (as of 2018)

Military awards and decorations: Legion of Merit, Defense Meritorious Service Medal, Meritorious Service Medal (5 awards), Army Commendation Medal (6 awards), Army Achievement Medal (5 awards), Parachutist's Badge, Ranger Tab, Expert Infantryman's Badge, Army Staff Identification Badge, Ancient Order of Saint Barbara, Noble Patron of Armor.

Education

1972 BA Trinity University (History).

1984 MMAS U.S. Army Command and General Staff College (History), Graduate with honors.

1988 MA. Duke University (History).

1990 Ph.D. Duke University (History). Fields of study: Military History (Principal); Historiography and Research Methodology; Military History; U.S. Diplomatic History; European Diplomatic History; International Relations and National Security Studies.

1994 MS Industrial College of the Armed Forces (National Resource Strategy), Research Fellow and Graduate with Honors.

**Non-RAND
Books,
Chapters,
Monographs,
and Reports**

The Importance of Land Warfare: This Kind of War Redux, Land Warfare Paper No. 117, Arlington, VA: Institute of Land Warfare, Association of the U.S. Army, 2018.

With Mark Gunzinger, Bryan Clark, and Jesse Sloman, *Force Planning for the Era of Great Power Competition*, Washington, D.C.: Center for Strategic and Budgetary Assessments, 2017.

“An Overview of Land Warfare,” in Dakota Wood, ed., *2018 Index of U.S. Military Strength*, Washington, D.C.: Heritage Foundation, 2017.

Doing What You Know: The United States and 250 Years of Irregular War, Washington, D.C.: Center for Strategic and Budgetary Assessments, 2017.

“You Go to COIN with the Military You Have: The United States and 250 Years of Irregular War,” in Beatrice Heuser and Eitan Shamir, eds., *Insurgencies and Counterinsurgencies: National Styles and Strategic Cultures*, Cambridge: Cambridge University Press, 2016.

“What Are You Prepared to Do? NATO and the Strategic Mismatch between Ends, Ways, and Means in Afghanistan—and in the Future,” in Christopher M. Schnaubelt, ed., *Towards a Comprehensive Approach: Strategic and Operational Challenges*, NATO Defense College Forum Paper 18, Rome: NATO Defense College, 2011.

“Minding the Middle: Insights from Hezbollah and Hamas for Future Warfare,” in *Global Trends and the Future of Warfare 2025*, Daniel Moran and James Russell, eds., Monterey: Naval Postgraduate School, 2011.

“From Frontier Constabulary to Modern Army: The United States Army between the World Wars,” in *The Challenge of Change: Armed Forces and New Realities, 1919-1941*, Harold R. Winton and David R. Mets, eds. Lincoln: University of Nebraska Press, 2000, paperback 2003. **Selected for U.S. Army Chief of Staff Reading List.**

Fast Tanks and Heavy Bombers: Innovation in the U.S. Army, 1917-1945, Cornell Studies in Security Affairs. Ithaca: Cornell University Press, 1998; paperback, 2003. **Selected for Chief of Staff U.S. Air Force Reading List 2009; British Army Professional Reading List 2016; U.S. Army Chief of Staff Professional Reading List 2017, U.S. Army Training and Doctrine Senior Leader Reading List; U.S. Army Maneuver Center of Excellence Reading List.**

Modern U.S. Civil-Military Relations: Wielding the Terrible Swift Sword. McNair Paper No. 57. Washington, DC: National Defense University, 1997.

“Wielding the Terrible Swift Sword: The American Military Paradigm and Civil-Military Relations,” Working Paper Number 7, John M. Olin Project on U.S. Post-Cold War Civil-Military Relations. Cambridge: Harvard University Press, 1996.

Articles, Op-Eds, Commentary and Reviews

Review of Raphael D. Marcus, *Israel's Long War with Hezbollah: Military Innovation and Adaptation under Fire*, *The Middle East Journal*, Volume 73, Number 2, (Summer 2019), pp. 321-322.

“Urban Legend: Is Combat in Cities Inevitable?” *War on the Rocks* (May 7, 2019), at: <https://warontherocks.com/2019/05/urban-legend-is-combat-in-cities-really-inevitable/>

“An Army Stuck in the Middle Between Luddites, Luminaries, and the Occasional Looney,” *War on the Rocks* (December 19, 2019), at: <https://warontherocks.com/2018/12/an-army-caught-in-the-middle-between-luddites-luminaries-and-the-occasional-looney/>.

“Cluster Munitions and Rearming for Great Power Competition,” *War on the Rocks* (May 9, 2019), at: <https://warontherocks.com/2018/05/cluster-munitions-and-rearming-for-great-power-competition/>.

“An Army Trying to Shake Itself from Intellectual Slumber, Part II: From 9/11 to Great Power Competition,” *War on the Rocks* (February 6, 2018), at: <https://warontherocks.com/2018/02/army-trying-shake-intellectual-slumber-part-ii-9-11-great-power-competition/>.

An Army Trying to Shake Itself from Intellectual Slumber, Part I: Learning from the 1970s,” *War on the Rocks* (February 2, 2018), at: <https://warontherocks.com/2018/02/army-trying-shake-intellectual-slumber-part-learning-1970s/>.

With Ryan Boone, “Improved Conventional Munitions Policy,” Washington, D.C.: Center for Strategic and Budgetary Assessments, 2017.

“Extreme Vetting” Denies the Federal Government Outside Talent,” *War on the Rocks* (February 27, 2017), at: <https://warontherocks.com/2017/02/extreme-vetting-denies-the-federal-government-outside-talent/>.

With John Gordon IV, “Reimagining and Modernizing U.S. Airborne Forces: Answering the Call for the 21st Century,” *Infantry Bugler* (Winter 2016), pp. 6-10.

With John Gordon IV, “Reimagining and Modernizing U.S. Airborne Forces For The 21st Century,” *War on the Rocks* (April 20, 2016), at <http://warontherocks.com/2016/04/reimagining-and-modernizing-u-s-airborne-forces-for-the-21st-century/>.

“Planning for the ‘Army of the Future’,” *The Hill* (February 16, 2016), at <http://thehill.com/opinion/op-ed/269622-planning-for-the-army-of-the-future>.

“Ground Combat,” *The Cipher Brief* (December 20, 2015), at <https://www.thecipherbrief.com/article/ground-combat>.

“Vietnam Teaches Us that Iraq Needs More than U.S. Combat Advisers,” *War on the Rocks* (March 19, 2015), at <http://warontherocks.com/2015/09/vietnam-teaches-us-that-iraq-needs-more-than-u-s-combat-advisers/>.

“Commentary and Reply On “Fighting the ‘Islamic State’ The Case for US Ground Forces,” *Parameters*, vol. 45, no 1 (Spring 2015), pp. 109-113.

“Fighting the ‘Islamic State’ The Case for US Ground Forces,” *Parameters*, vol. 45, no. 2 (Summer 2015), pp. 7-17.

“Means Matter: Competent Ground Forces and the Fight Against ISIL,” *War on the Rocks* (March 19, 2015), at <http://warontherocks.com/2015/03/means-matter-competent-ground-forces-and-the-fight-against-isil/>

“Failure to Learn: Reflections on a Career in the Post-Vietnam Army,” *War on the Rocks* (January 24, 2014), at <http://warontherocks.com/2014/01/failure-to-learn-reflections-on-a-career-in-the-post-vietnam-army/>

Review of Mathew Darlington Morton, *Men on Iron Ponies: The Death and Rebirth of the Modern U.S. Cavalry*, in *Marine Corps University Journal*, vol 2, no 1 (Spring 2011), pp. 103-105.

“What Are You Prepared to Do? NATO and the Strategic Mismatch between Ends, Ways, and Means in Afghanistan—and in the Future,” *Studies in Conflict and Terrorism*, vol. 34, iss. 5 (May 2011): 383 – 401.

“Iran’s Counter-Strike,” *Providence Journal*, February 25, 2010, and GlobalSecurity.org, February 216, 2010 (Op-Ed).

“Ends, Ways, and Means—the Debate We Still Need on Afghanistan,” GlobalSecurity.org, December 10, 2009 (Op-ED).

With John Gordon IV and Peter Wilson. “Air Mechanization: An Expensive and Fragile Concept,” *Military Review*, vol. 87, no. 1 (January-February 2007): 63-73.

With Peter Wilson and John Gordon, IV. “An Alternative Future Force: Building a Better Army,” *Parameters*, vol. 33, no. 4 (Winter 2003-2004): 19-39.

With Peter Wilson and John Gordon, IV. “Beyond the Objective Force,” *Armed Forces Journal International* (October 2003).

**RAND
Reports in the
Public
Domain, Sole
Author**

Shared Problems: The Lessons of AirLand Battle and the 31 Initiatives for Multi-Domain Battle, Santa Monica: RAND, PE-301-A/AF, 2018.

The Challenges of the “Now” and Their Implications for the U.S. Army, Santa Monica: RAND, PE-184, 2016.

Hard Fighting: Israel in Lebanon and Gaza, Santa Monica: RAND, MG-1085-A/AF, 2012.

Heavy Armor in the Future Security Environment, Santa Monica: RAND, OP-334-A, 2011.

“The Russian Invasion of Ukraine,” in Headquarters, Department of the Army, *The U.S. Army Combat Vehicle Modernization Strategy*, Fort Eustis: Maneuver, Aviation, and Soldier Division Army Capabilities Integration Center, U.S. Army Training and Doctrine Command, 2015, p. 15.

“Preparing for ‘Hybrid’ Opponents: Israeli Experiences in Lebanon and Gaza,” Santa Monica: RAND, RB-9620, 2011.

Military Capabilities for Hybrid War Insights from the Israel Defense Forces in Lebanon and Gaza. Santa Monica: RAND, OP-285-A, 2010.

Learning Large Lessons: The Evolving Roles of Ground Power and Air Power in the Post-Cold War Era: Executive Summary. Santa Monica: RAND, MG-405-AF/1, 2007.

Learning Large Lessons: The Evolving Roles of Ground Power and Air Power in the Post-Cold War Era. Santa Monica: RAND, MG-405-AF-1, 2006; rev. ed. 2007. **Selected for 2007 Chief of**

Staff, U.S. Air Force Reading List; 2009 Chief of the Air Staff Royal Air Force (United Kingdom) Reading List; and 2010 Royal Australian Air Force Chief of Air Force Reading List.

U.S. Joint Doctrine Should Be Revised to Reflect the Changing Roles of Air and Ground Power. Santa Monica: RAND, RB-195-AF, 2006.

Preparing Potential Senior Army Leaders for the Future: An Assessment of Leader Development Efforts in the Post-Cold War Era. Santa Monica: RAND, IP-224-A, 2002.

**RAND
Reports in the
Public
Domain, Co-
author**

With Agnes Gereben Schaefer, Brenna Allen, Raphael S. Cohen, Gian Gentile, James Hoobler, Michael Schwille, Jerry M. Sollinger, and Sean M. Zeigler, *The U.S. Army and the Battle for Baghdad: Lessons Learned—And Still to Be Learned*, Santa Monica: RAND, 2019.

With Raphael S. Cohen, David E. Thaler, Brenna Allen, Elizabeth M. Bartels, James Cahill, Shira Efron, *From Cast Lead to Protective Edge: Lessons from Israel's Wars in Gaza*, Santa Monica, RAND, RR-1888-A, 2017.

With Gian Gentile, Lisa Saum-Manning, Raphael S. Cohen, Shara Williams, Carrie Lee, Michael Shurkin, Brenna Allen, Sarah Soliman, James L. Doty III, *Reimagining the Character of Urban Operations for the U.S. Army: How the Past Can Inform the Present and Future*, Santa Monica: RAND, RR-1602-A, 2017

With Bryan Frederick, *The Continued Evolution of U.S. Law of Armed Conflict Implementation: Implications for the U.S. Military*, Santa Monica: RAND, RR-1122-OSD, 2015.

With M. Wade Markel, Brian Shannon, *The 2008 Battle of Sadr City: Reimagining Urban Combat*, Santa Monica: RAND, RR-160, 2013.

With M. Wade Markel, Brian Shannon, "Urban Warfare: The 2008 Battle for Sadr City." Santa Monica: RAND, RB-9652-A, 2012.

With M. Wade Markel, Brian Shannon, *The 2008 Battle of Sadr City*, Santa Monica: RAND, OP-335-A, 2011.

With John Gordon IV, *Observations on Recent Trends in Armored Forces*. Santa Monica: RAND, OP-287-A, 2010.

With Jennifer D. P. Moroney, Roger Cliff, M. Wade Markel, Laurence Smallman, Michael Spirtas, *Preparing and Training for the Full Spectrum of Military Challenges: Insights from the Experiences of China, France, the United Kingdom, India, and Israel*, Santa Monica: RAND, MG-836-OSD, 2009.

With Jody Jacobs, David E. Johnson, Katherine Comanor, Lewis Jamison, Leland Joe, David Vaughan, *Enhancing Fires and Maneuver Capability Through Greater Air-Ground Joint Interdependence*. Santa Monica: RAND, MG-793-A, 2009.

With Adam Grissom and Olya Oliker, *In the Middle of the Fight: An Assessment of Medium-Armored Forces in Past Military Operations*. Santa Monica: RAND, MG-709-A, 2008.

With Adam Grissom and Olya Oliker, *The Capabilities that Medium-Armored Forces Bring to the Full Spectrum of Operations*, Santa Monica: RAND, RB-9416, 2009.

With Gary Cecchine, Jerry M. Sollinger, *Army Medical Department Transformation: Executive Summary of Five Workshops*. Santa Monica: RAND, MG-416-A, 2006.

With Gary Cecchine, *Medical Risk in the Future Force Unit of Employment: Results of the Army Medical Department Transformation Workshop V*. Santa Monica: RAND, TR-302-A, 2006.

With Peter A. Wilson, Richard A. Darilek, and Laurinda L. Zeman. *Joint Paths to the Future Force: A Report on Unified Quest 2004*. Santa Monica: RAND, MG-391-A, 2006.

With Gary Cecchine, *Medical Risk in the Future Force Unit of Action: Results of the Army Medical Department Transformation Workshop IV*. Santa Monica: RAND, TR-253-A, 2005

With Gary Cecchine, *Conserving the Future Force Fighting Strength: Findings from the Army Medical Department Transformation Workshops, 2002*. Santa Monica: RAND, MG-103-A, 2004.

With William M. Hix, John R. Bondanella, Bruce J. Held, Michael Hynes, Ellen M. Pint, Art Pregler, Mike Stollenwerk, Jerry M. Sollinger, *Rethinking Governance of the Army's Arsenals and Ammunition Plants*. Santa Monica: RAND, MR-1651-A, 2003.

With William M. Hix, Ellen M. Pint, John R. Bondanella, Bruce Held, Michael V. Hynes, Art Pregler, Mike Stollenwerk, Jerry M. Sollinger, *Managing the Army's Arsenals and Ammunition Plants*. Santa Monica: RAND, RB-3038-A, 2003.

With William M. Hix, J. Bondanella, Bruce J. Held, Michael Hynes, Ellen M. Pint, Art Pregler, Mike Stollenwerk, Jerry M. Sollinger. *Options for Managing the Army's Arsenals and Ammunition Plants*. Santa Monica: RAND, DB-353-A, 2003.

With Karl P. Mueller, William H. Taft V, *Conventional Coercion Across the Spectrum of Operations: The Utility of Military Force in the Emerging Security Environment*. Santa Monica: RAND, MR-1494-A, 2002.

With Gary Cecchine, Walt L. Perry, C. Ross Anthony, Beatrice Alexandra Golomb, Anthony C. Hearn, Lee H. Hilborne, Jerry M. Sollinger. *Army Medical Support to the Army After Next: Issues and Insights from the Medical Technology Workshop, 1999*. Santa Monica: RAND, MR-1270-A, 2001.

With Gary Cecchine, John R. Bondanella, J. Michael Polich, Jerry M. Sollinger, *Army Medical Strategy: Issues for the Future*. Santa Monica: RAND, IP-208-A, 2001.

Walt L. Perry, Bruce Pirnie, John Gordon, Louis R. Moore, Robert D. Howe, Daniel R. Gonzales. *A Report on the Army Transformation Wargame 2000*. Santa Monica: RAND, MR-1335-A, 2001.

With Thomas L. McNaugher, Jerry M. Sollinger, *Agility by a Different Measure: Creating a More Flexible U.S. Army*. Santa Monica: RAND, IP-195-A, 2000.

Memberships

- Council on Foreign Relations
- Association of the U.S. Army
- Marine Corps Association and Foundation
- United States Field Artillery Association
- U.S. Cavalry and Armor Association
- Military Officers Association of America
- American Legion
- Trinity University Alumni Association
- Organization of American Historians
- Society of Military History
- International Institute for Strategic Studies
- Air Force Association
- U.S. Naval Institute
- National Infantry Association United States
- U.S. Army Ranger Association
- Veterans of Foreign Wars
- Duke University Alumni Association
- RAND Alumni Association
- Army Historical Foundation
- Disabled American Veterans