СПИСОК ВИКОРИСТАНИХ Джерел

- 2MASS: 2 Micron All Sky Survey. "Introduction: 1. 2MASS Overview." Dec. 20, 2006. Abrahamson, James A., and Henry F. Cooper. "What Did We Get for Our \$30-Billion
- Investment in SDI/BMD?" National Institute for Public Policy, Sept. 1993.
- Air Force Doctrine Documents. GlobalSecurity.org.
- Air Force Space Command. "Commander's Strategic Intent." May 6, 2016. American Presidency Project. University of California, Santa Barbara.
- Anson, Peter, and Dennis Cummings. "The First Space War: The Contribution of Satellites to the Gulf War." *RUSI Journal* 136:4 (Winter 1991), 45–53.
- Arago, François. "Report" (1839). In Alan Trachtenberg, ed. Classic Essays in Photography. New Haven: Leete's Island Books, 1981, 15–26.
- Arbatov, Alexei, and Vladimir Dvorkin, eds. Outer Space: Weapons, Diplomacy, and Security. Washington, DC: Carnegie Endowment for International Peace, 2010.
- Arike, Ando. "The Soft-Kill Solution: New Frontiers in Pain Compliance." Harper's (Mar. 2010), 38–47.
- Augenstein, Bruno W. "Evolution of the U.S. Military Space Program, 1945–1960: Some Key Events in Study, Planning, and Program Development." Paper P- 6814. RAND Corporation, Sept. 1982.
- Austin, B. A. "Precursors to Radar: The Watson-Watt Memorandum and the Daventry Experiment." International Journal of Electrical Engineering Education 36 (1999), 365-72.
- Ball, Philip. Invisible: The Dangerous Allure of the Unseen. Chicago: University of Chicago Press, 2015.
- "Barry Goldwater on Space: GOP Candidate Wants Military, Not Civilians, to Run Space Program." *Science* 145 (July 31, 1964), 470–71.
- Bartusiak, Marcia, ed. Archives of the Universe: A Treasury of Astronomy's Historic Works of Discovery. New York: Pantheon, 2004.
- Barty-King, Hugh. Eyes Right: The Story of Dollond & Aitchison Opticians, 1750–1985. London: Quiller Press, 1986.
- Bedini, Silvio A. "Of 'Science and Liberty': The Scientific Instruments of King's College and Eighteenth Century Columbia College in New York." Annals of Science 50:3 (May 1993), 201–27.
- Bhaskaran, Shyam. "Autonomous Navigation for Deep Space Missions." American Institute of Aeronautics and Astronautics SpaceOps 2012 Conference, Stockholm.
- Biagioli, Mario. "Did Galileo Copy the Telescope? A 'New' Letter by Paolo Sarpi." In Albert Van Helden, Sven Dupré, Rob van Gent, and Huib Zuidervaart, eds. *The Origins of the Telescope*. Amsterdam: KNAW Press/Royal Netherlands Academy of Arts and Sciences, 2010, 203–30.
- Brown, J. Willard. *The Signal Corps, U.S.A. in the War of the Rebellion.* Boston: US Veteran Signal Corps Association, 1896.

- Brown, Louis. A Radar History of World War II: Technical and Military Imperatives. Philadelphia: Institute of Physics Publishing, 1999.
- Browne, Malcolm W. "New Space Beacons Replace the Compass." New York Times, Nov. 8, 1988.
- Bruger, Steven J. "Not Ready for the 'First Space War,' What About the Second?" Operations Department, Naval War College, May 17, 1993.
- Burbidge, E. Margaret, G. R. Burbidge, William A. Fowler, and F. Hoyle. "Synthesis of the Elements in Stars." *Reviews of Modern Physics* 29:4 (Oct. 1957), 547-650.
- Burns, Richard Dean, and Joseph M. Siracusa. A Global History of the Nuclear Arms Race: Weapons, Strategy, and Politics, 2 vols. Santa Barbara, CA: Praeger/ABC-CLIO, 2013.
- Burrows, William E. This New Ocean: The Story of the First Space Age. New York: Random House, 1998.
- Butrica, Andrew J. To See the Unseen: A History of Planetary Radar Astronomy. NASA History Series: NASA SP-4218. Washington, DC: NASA, 1996.
- Cañizares-Esguerra, Jorge. Nature, Empire, and Nation: Explorations in the History of Science in the Iberian World. Stanford: Stanford University Press, 2006.
- Casson, Lionel. The Ancient Mariners: Seafarers and Sea Fighters of the Mediterranean in Ancient Times. Princeton: Princeton University Press, 1991.
- Chaisson, Eric J. The Hubble Wars: Astrophysics Meets Astropolitics in the Two- Billion-Dollar Struggle over the Hubble Space Telescope. New York: HarperCollins, 1994.
- Chandra, Satish, ed. *The Indian Ocean: Explorations in History, Commerce, and Politics.* New Delhi: Sage, 1987.
- Chang, Iris. Thread of the Silkworm. New York: Basic Books, 1995.
- Clark, Stuart. "Russia Halts Rocket Exports to US, Hitting Space and Military Programmes." *Guardian*, May 15, 2014.
- Commission on the Future of the United States Aerospace Industry. Anyone, Anything, Anywhere, Anytime. Final report. Nov. 2002.
- Commission to Assess United States National Security Space Management and Organization. Report–Pursuant to Public Law 106-65. Jan. 11, 2001.
- Committee on Aeronautical and Space Sciences, US Senate. *Staff Report: Documents on International Aspects of the Exploration and Use of Outer Space, 1954–1962.* May 9, 1963.
- "Cooperation in Space: Agreement Between the United States of America and the Union of Soviet Socialist Republics Concerning Cooperation in the Exploration of the Use of Outer Space for the Peaceful Purposes." May 24, 1972.
- Cordesman, Anthony. *The Iraq War: Strategy, Tactics, and Military Lessons.* Westport, CT: Praeger/Center for Strategic and International Studies, 2003.
- Costello, John. "China Finally Centralizes Its Space, Cyber, Information Forces." The Diplomat, Jan. 20, 2016.
- Cotter, Charles H. A History of Nautical Astronomy. New York: American Elsevier, 1968.
- Covault, Craig. "Desert Storm Reinforces Military Space Directions." Aviation Week & Space Technology, Apr. 8, 1991, 42–47.
- ----. "Recon Satellites Lead Allied Intelligence Effort." Aviation Week & Space Technology, Feb. 4, 1991, 25–26.
- Covert, Claudia T. "Art at War: Dazzle Camouflage." Art Documentation: Journal of the Art Libraries Society of North America 26:2 (Fall 2007), 50–56.
- Crawford, Neta C. "US Costs of Wars Through 2016: \$4.79 Trillion and Counting: Summary of Costs of the US Wars in Iraq, Syria, Afghanistan, and Pakistan and Homeland Security." Watson Institute, Brown University, Sept. 2016.
- C-SPAN. "SDI Debate: Is the Strategic Defense Initiative in the National Interest." Program 532-1. Nov. 18, 1987.
- Cunliffe, Barry. The Extraordinary Voyage of Pytheas the Greek. New York: Walker, 2002.

- Curtis, Heber D. "Optical Glass." Publications of the Astronomical Society of the Pacific (Apr. 1919), 77–85.
- David, Leonard. "US-China Cooperation in Space: Is It Possible, and What's in Store?" Space.com, June 16, 2015.
- Daviŝ, Jason. "What's the Matter with Russia's Rockets?" Blog post. Planetary Society, Dec. 2, 2016.
- Day, Dwayne A. "The Flight of the Big Bird (parts 1–4)." Space Review, Jan. 17– Mar. 28, 2011.
- ----, and Robert G. Kennedy III. "Soviet Star Wars." Air & Space Smithsonian, Jan. 2010.
- Democracy Now! "How the U.S. Narrowly Avoided a Nuclear Holocaust 33 Years Ago, and Still Risks Catastrophe Today." Video and transcript. Sept. 18, 2013.
- Deng, Gang. Chinese Maritime Activities and Socioeconomic Development, c. 2100 BC-1900 AD: Contributions in Economics and Economic History 188. Westport, CT: Greenwood Press, 1997.
- Denny, Neil. "Interview: Eric Schlosser's Command and Control." Little Atoms 1, Jan. 17, 2016.
- DeVorkin, David. Science with a Vengeance: How the Military Created the US Space Sciences after World War II. New York: Springer-Verlag, 1992.
- Doel, Ronald E. Solar System Astronomy in America: Communities, Patronage, and Interdisciplinary Science, 1920–1960. New York: Cambridge University Press, 1996.
- ----, and Kristine C. Harper. "Prometheus Unleashed: Science as a Diplomatic Weapon in the Lyndon B. Johnson Administration." In "Global Power Knowledge: Science and Technology in International Affairs," *Osiris* 21:1 (2006), 66–85.
- Dolman, Everett C. Astropolitik: Classical Geopolitics in the Space Age. London: Frank Cass, 2002.
- Duffner, Robert W. *The Adaptive Optics Revolution: A History*. Albuquerque: University of New Mexico Press, 2009.
- Dupuis, Andre. "An Overview of Canadian Military Space in 2014." Pt. 1, Feb. 9, 2015; Pt. 2, Feb. 17, 2015. SpaceRef Canada.
- Dyson, George B. Darwin Among the Machines: The Evolution of Global Intelligence. Reading, MA: Addison-Wesley Longman, 1997.
- Eddington, Arthur S. The Internal Constitution of the Stars. Cambridge, UK: Cambridge University Press, 1926/1988.
- "Edison and the Unseen Universe." *Scientific American* 39:8, suppl. 138 (Aug. 24, 1878), 112.
- Eisenhower, Dwight D. "Annual Message to the Congress on the State of the Union." Jan. 10, 1957. At Gerhard Peters and John T. Woolley, American Presidency Project, University of California, Santa Barbara.
- ---- . "Atoms for Peace: Address to the 470th Plenary Meeting of the UN General Assembly." Dec. 8, 1953. International Atomic Energy Agency.
- --- . "Farewell Address: Transcript." Jan. 17, 1961, sec. IV. The Presidency, Miller Center, University of Virginia.
- --- . "Radio and Television Address to the American People on Science in National Security." Nov. 7, 1957. At Gerhard Peters and John T. Woolley, American Presidency Project, University of California, Santa Barbara.
- Ellis, Emma Grey. "Russia's Space Program Is Blowing Up. So Are Its Rockets." *Wired*, Dec. 7, 2016.
- Erickson, John. "Radio-location and the Air Defence Problem: The Design and Development of Soviet Radar 1934–40." *Science Studies* 2:3 (July 1972), 241–63.
- European Commission. "Space Strategy for Europe." COM(2016) 705. Oct. 26, 2016.
- European Council, Council of the European Union. "Implementation Plan on Security and Defence." Nov. 14, 2016.
- European Space Agency. "Council Meeting Held at Ministerial Level on 1 and 2 December 2016: Resolutions and Main Decisions." Dec. 2, 2016.

----. "International Space Station Legal Framework." Nov. 19, 2013.

- Evangelista, Matthew. "Cooperation Theory and Disarmament Negotiations in the 1950s." World Politics 42: 4 (July 1990), 502–28.
- Ezell, Edward Clinton, and Linda Neuman Ezell. *The Partnership: A History of the Apol*lo-Soyuz Test Project. Washington, DC: NASA, 1978.
- Field, Alexander J. "French Optical Telegraphy, 1793–1855: Hardware, Software, Administration." *Technology and Culture* 35:2 (Apr. 1994), 315–47.
- Fishel, Edwin C. The Secret War for the Union: The Untold Story of Military Intelligence in the Civil War. Boston: Houghton Mifflin, 1996.
- Fisher, David E. A Summer Bright and Terrible: Winston Churchill, Lord Dowding, Radar, and the Impossible Triumph of the Battle of Britain. Berkeley, CA: Shoemaker & Hoard, 2005.
- Fleurant, Aude, Pieter D. Wezeman, Siemon T. Wezeman, and Nan Tian. "Trends in International Arms Transfers, 2016." Fact sheet. SIPRI, Feb. 2017.
- Freeth, Tony, and Alexander Jones. "The Cosmos in the Antikythera Mechanism." ISAW Papers 4, Feb. 2012.
- Galilei, Galileo. Sidereus Nuncius, or The Sidereal Messenger (1610). Translated and with commentary by Albert Van Helden. Chicago: University of Chicago Press, 1989/2016.
- Garthoff, Raymond L. "Banning the Bomb in Outer Space." *International Security* 5:3 (Winter 1980–81), 25–40.
- Gaskin, Thomas M. "Senator Lyndon B. Johnson, the Eisenhower Administration and U.S. Foreign Policy, 1957–60." *Presidential Studies Quarterly* 24:2 (Spring 1994), 341–61.
- Gerovitch, Slava. "Stalin's Rocket Designers' Leap into Space: The Technical Intelligentsia Faces the Thaw." *Osiris* 23:1 (2008), 189–209.
- Goodrick-Clarke, Nicholas. The Occult Roots of Nazism: Secret Aryan Cults and Their Influence on Nazi Ideology: The Ariosophists of Austria and Germany, 1890–1935. New York: New York University Press, 1992.
- GPS.gov. "Selective Availability."
- Grafton, Anthony. "Girolamo Cardano and the Tradition of Classical Astrology: The Rothschild Lecture, 1995." Proceedings of the American Philosophical Society 142:3 (Sept. 1998), 323–54.
- Gray, Colin S. "Clausewitz Rules, OK? The Future Is the Past: With GPS." Review of International Studies 25 (Dec. 1999), 161–82.
- --- . "The Influence of Space Power upon History." Comparative Strategy 15:4 (1996), 293–308.
- Greely, A. W. "The Signal Corps." In Francis Trevelyan Miller and Robert Sampson Lanier, eds. *Photographic History of The Civil War in Ten Volumes*, vol. 8. New York: Review of Reviews Co., 1912, 312–40.
- Greenemeier, Larry. "GPS and the World's First 'Space War.' " *Scientific American*, Feb. 8, 2016.
- Grego, Laura, George N. Lewis, and David Wright. Shielded from Oversight: The Disastrous US Approach to Strategic Missile Defense. Union of Concerned Scientists, July 2016.
- Hagen, Antje. "Export versus Direct Investment in the German Optical Industry: Carl Zeiss, Jena and Glaswerk Schott & Gen. in the UK, from Their Beginnings to 1933." *Business History* 38:4 (1996), 1–20.
- Hardy, John W. Adaptive Optics for Astronomical Telescopes. New York: Oxford University Press, 1998.
- Hartung, William D. Tangled Web 2005: A Profile of the Missile Defense and Space Weapons Lobbies. New York: World Policy Institute-Arms Trade Resource Center, 2005.
- Harvey, Brian. China in Space: The Great Leap Forward. New York: Springer- Praxis, 2013.

- Harwit, Martin. Cosmic Discovery: The Search, Scope, and Heritage of Astronomy, 1st ed. New York: Basic Books, 1981.
- --- . "The Early Days of Infrared Space Astronomy." In J. A. Bleeker, J. Geiss, and M. Huber, eds. *The Century of Space Science*. Dordrecht: Kluwer, 2002, 301–28.
- Hawkes, C. F. C. The Eighth J. L. Myres Memorial Lecture-Pytheas: Europe and the Greek Explorers. Oxford: Blackwell, 1977.
- Heginbotham, Eric, et al. The U.S.-China Military Scorecard: Forces, Geography, and the Evolving Balance of Power 1996-2017. Santa Monica, CA: RAND, 2015.
- Herschel, William. "Investigation of the Powers of the prismatic Colours to heat and illuminate Objects; with Remarks, that prove the different Refrangibility of radiant Heat..." *Philosophical Transactions of the Royal Society* 90 (1800), 255–83.
- Hertzfeld, Henry R., Brian Weeden, and Christopher D. Johnson. "Outer Space: Ungoverned or Lacking Effective Governance?: New Approaches to Managing Human Activities in Space." SAIS Review of International Affairs 36:2 (Summer–Fall 2016), 15–28.
- Hitchens, Theresa, and Joan Johnson-Freese. "Toward a New National Security Space Strategy: Time for a Strategic Rebalancing." Atlantic Council Strategy Paper 5. June 2016.
- Holzmann, Gerard J., and Björn Pehrson. *The Early History of Data Networks*. Los Alamitos, CA: IEEE Computer Society Press, 1995.
- Howard-Duff, Ian. "Joseph Fraunhofer (1787–1826)." Journal of the British Astronomical Association 97:6 (1987), 339–47.
- Howe, Ellic. Astrology and Psychological Warfare During World War II. London: Rider, 1972.
- Hyten, John E., General. "Space Mission Force: Developing Space Warfighters for Tomorrow." White paper. US Air Force Space Command, June 29, 2016.
- Jansky, Karl G. "Directional Studies of Atmospherics at High Frequencies." *Proceedings* of the IRE 20 (1932), 1920–32.
- --- . "Electrical Disturbances Apparently of Extraterrestrial Origin." Proceedings of the IRE 21:10 (Oct. 1933), 1387–98.
- Johnson, Lyndon Baines. Speech at the opening and dedication of Florida Atlantic University. Oct. 25, 1964.
- Johnson-Freese, Joan. *Heavenly Ambitions: America's Quest to Dominate Space*. Philadelphia: University of Pennsylvania Press, 2009.
- ---- . Space as a Strategic Asset. New York: Columbia University Press, 2007. Joint Chiefs of Staff. Joint Vision 2020: America's Military–Preparing for Tomorrow. Summer 2000.
- ---- . Space Operations: Joint Publication 3-14. May 29, 2013.
- Jones, Alexander. "The Antikythera Mechanism and the Public Face of Greek Science." *Proceedings of Science*, PoS(Antikythera & SKA)038, 2012. "From Antikythera to the Square Kilometre Array: Lessons from the Ancients," Kerastari, Greece, June 12–15, 2012.
- Jones, Sam. "Satellite Wars." Financial Times, Nov. 20, 2015.
- Josephson, Paul R. "Atomic-Powered Communism: Nuclear Culture in the Postwar USSR." *Slavic Review* 55:2 (Summer 1996), 297-324.
- Kaiser, Walter. "A Case Study in the Relationship of History of Technology and of General History: British Radar Technology and Neville Chamberlain's Appeasement Policy." *Icon* 2 (1996), 29–52.
- Kalic, Sean A. US Presidents and the Militarization of Space, 1946–1967. College Station: Texas A & M University Press, 2012.
- Kallender, Paul. "Japan's New Dual-Use Space Policy: The Long Road to the 21st Century." Notes de l'Ifri: Asie. Visions 88 (Nov. 2016).
- Katz, Jonathan I. The Biggest Bangs: The Mystery of Gamma-Ray Bursts, the Most Violent Explosions in the Universe. New York: Oxford University Press, 2002.

- Kennedy, John F. "Address at Rice University on the Nation's Space Effort." Sept. 12, 1962. John F. Kennedy Presidential Library and Museum.
- --- . "President Kennedy's Special Message to the Congress on Urgent National Needs." May 25, 1961. John F. Kennedy Presidential Library and Museum.
- Klebesadel, Ray W., Ian B. Strong, and Roy A. Olson. "Observations of Gamma-Ray Bursts of Cosmic Origin," Astrophysical Journal 182 (June 1, 1973), L84–L88.
- Klein, John J. Space Warfare: Strategy, Principles and Policy. London and New York: Routledge, 2006.
- Kramer, Miriam. "NASA Suspends Most Cooperation with Russia; Space Station Excepted." Space.com, Apr. 2, 2014.
- Krepon, Michael. "Not Just Yet for No First Use." Blog post. Arms Control Wonk: Leading Voices on Arms Control, Disarmament and Non-Proliferation, July 31, 2016.
- ----, with Michael Katz-Hyman. "Space Weapons and Proliferation." Nonproliferation Review 12:2 (July 2005), 323-41.
- LaFeber, Walter. America, Russia, and the Cold War, 1945–2006, 10th ed. New York: McGraw Hill, 2006.
- Lankford, John. "The Impact of Photography on Astronomy." In Owen Gingerich, ed. Astrophysics and Twentieth-Century Astronomy to 1950: Part A-The General History of Astronomy, vol. 4. Cambridge, UK: Cambridge University Press, 1984, 16–39.
- Launius, Roger D. "Historical Dimensions of the Space Age." In Eligar Sadeh, ed., Space Politics and Policy: An Evolutionary Perspective. Dordrecht: Springer Netherlands, 2004, 3-25.
- Lee, T.-W. Military Technologies of the World, vol. 1. Westport, CT: Greenwood/Praeger Security International, 2009.
- Lequeux, James. "Early Infrared Astronomy." Journal of Astronomical History and Heritage 12:2 (2009), 125–40.
- Lovell, Bernard. "The Cavity Magnetron in World War II: Was the Secrecy Justified?" Notes and Records of the Royal Society of London 58:3 (Sept. 2004), 283–94.
- ----. The Story of Jodrell Bank. New York: Harper & Row, 1968.
- Lu, Edward T., and Stanley G. Love. "Gravitational Tractor for Towing Asteroids." Nature 438 (Nov. 10, 2005), 177–78.
- Martin, Andy. "Mentioned in Dispatches: Napoleon, Chappe and Chateaubriand." Modern & Contemporary France 8:4 (2000), 445-55.
- Mastny, Vojtech. The Cold War and Soviet Insecurity: The Stalin Years. New York: Oxford University Press, 1996.
- McDougall, Walter A. *The Heavens and the Earth:* A *Political History of the Space Age*. Baltimore: Johns Hopkins University Press, 1985/1997.
- McNamara, Robert S. "The Military Role of Nuclear Weapons: Perceptions and Misperceptions." Foreign Affairs 62:1 (Fall 1983), 59–80.
- McNeill, William H. The Pursuit of Power: Technology, Armed Force, and Society since A.D. 1000. Chicago: University of Chicago Press, 1982.
- Meadows, A. J. "The New Astronomy." In Owen Gingerich, ed. Astrophysics and Twentieth-Century Astronomy to 1950: Part A-The General History of Astronomy, vol. 4. Cambridge, UK: Cambridge University Press, 1984, 59-72.
- --- . "The Origins of Astrophysics." In Owen Gingerich, ed. Astrophysics and Twentieth-Century Astronomy to 1950: Part A-The General History of Astronomy, vol. 4. Cambridge, UK: Cambridge University Press, 1984, 3-15.
- Menzel, Donald H. "Venus Past, and the Distance of the Sun." Proceedings of the American Philosophical Society 113:3 (June 16, 1969), 197–202.
- Merton, Robert K. "Science, Technology and Society in Seventeenth Century England." Osiris 4 (1938), 360–632.
- Moltz, James Clay. Asia's Space Race: National Motivations, Regional Rivalries, and International Risks. New York: Columbia University Press, 2012.

- ----. Crowded Orbits: Conflict and Cooperation in Space. New York: Columbia University Press, 2014.
- --- . The Politics of Space Security: Strategic Restraint and the Pursuit of National Interests. Stanford: Stanford University Press, 2008.
- Morgan, J. H. Assize of Arms: The Disarmament of Germany and Her Rearmament (1919–1939). New York: Oxford University Press, 1946.
- Mumford, Lewis. "No: 'A Symbolic Act of War . . .' " New York Times, July 21, 1969.
- Myer, Albert J. A Manual of Signals: For the Use of Signal Officers in the Field, and for Military and Naval Students, Military Schools, etc. New York: D. Van Nostrand, 1868.
- National Aeronautics and Space Act of 1958. Public Law 85-568, 72 Stat., 426. Signed by the President on July 29, 1958.
- National Science Board. S & E Indicators 2016. Arlington, VA: National Science Foundation, 2016.
- ---- . Science & Engineering Indicators 2018 Digest. Arlington, VA: National Science Foundation, Jan. 2018.
- National Security Archive. George Washington University.
- National Security Council. "National Security Council Report: Statement of Preliminary U.S. Policy on Outer Space." NSC 5814/1. Aug. 18, 1958.
- National Security Council–Executive Secretary. "Report to the National Security Council on Basic National Security Policy." NSC 162/2. Oct. 30, 1953.
- --- . "Report to the National Security Council on United States Objectives and Programs for National Security." NSC 68. Apr. 14, 1950.
- Newton, Isaac. "A Serie's of Quere's propounded by Mr. Isaac Newton, to be determin'd by Experiments, positively and directly concluding his new Theory of Light and Colours; and here recommended to the Industry of the Lovers of Experimental Philosophy, as they were generously imparted to the Publisher in a Letter of the said Mr. Newtons of July 8. 1672." *Philosophical Transactions of the Royal Society* 85 (July 15, 1672), 5004–5007.
- ---- Opticks: or, A Treatise of the Reflexions, Refractions, Inflexions and Colours of Light, 4th ed. corr. London: William Innys, 1730. Project Gutenberg. North Atlantic Military Committee. "Final Decision on MC 14/2 (Revised): A Report by the Military Committee to the North Atlantic Council on Overall Strategic Concept for the Defense of the North Atlantic Treaty Organization Area" ["Massive Retaliation"]. May 23, 1957. In Gregory W. Pedlow, ed. "NATO Strategy Documents 1949–1969." NATO International Staff Central Archives.
- Office of Inspector General. "NASA's Commercial Crew Program: Update on Development and Certification Efforts." IG-16-028. NASA, Sept. 1, 2016.
- Office of the Secretary of Defense. "Annual Report to Congress: Military and Security Developments Involving the People's Republic of China 2016." 117FA69. Apr. 26, 2016.
- Oliver, Bernard M. "Colloquy 4–The Rationale for a Preferred Frequency Band: The Water Hole." SP-419. SETI: The Search for Extraterrestrial Intelligence, 1977.
- Parker, Geoffrey. *The Military Revolution: Military Innovation and the Rise of the West*, 1500–1800, 2nd ed. Cambridge, UK: Cambridge University Press, 1996.
- Parry, J. H. The Age of Reconnaissance. London: Phoenix Press, 1963.
- Peebles, Curtis. High Frontier: The U.S. Air Force and the Military Space Program.
- Washington, DC: Air Force History and Museums Program, 1997.
- Pollpeter, Kevin, Eric Anderson, Jordan Wilson, and Fan Yang. China Dream, Space Dream: China's Progress in Space Technologies and Implications for the United States. Washington, DC: IGCC/US-China Economic and Security Review Commission, 2015.
- Portree, David S. F. "NASA's Origins and the Dawn of the Space Age." Monograph 10. NASA History Division, 2005.

- President of the United States. "National Space Policy of the United States of America." June 28, 2010.
- Preston, Bob, Dana J. Johnson, Sean J. A. Edwards, Michael Miller, and Calvin Shipbaugh. Space Weapons Earth Wars. Santa Monica, CA: RAND, 2002.
- Price, S. D. *History of Space-Based Infrared Astronomy and the Air Force Infrared Celestial Backgrounds Program.* AFRL-RV-HA-TR-1008-1039. Hanscom AFB, MA: Air Force Research Laboratory–Space Vehicles Directorate, Apr. 2008.
- Project Ploughshares. Space Security Index. Annual publication, 2003- .
- Raines, Rebecca Robbins. Getting the Message Through: A Branch History of the U.S. Army Signal Corps. Washington, DC: Center of Military History, US Army, 1996.
- Randall, J. T. "Radar and the Magnetron." Journal of the Royal Society of Arts 94:4715 (Apr. 12, 1946), 302–23.
- Reagan, Ronald. "Address Before a Joint Session of the Congress on the State of the Union." Jan. 25, 1984. At Gerhard Peters and John T. Woolley, American Presidency Project, University of California, Santa Barbara.
- --- . "Address to the Nation on Defense and National Security." Mar. 23, 1983. Ronald Reagan Presidential Library and Museum.
- Reed, Sidney G., Richard H. Van Atta, and Seymour J. Deitchman. DARPA Technical Accomplishments: An Historical Review of Selected DARPA Projects, vol. 1. IDA paper P-2192. Institute for Defense Analyses, Nov. 1990.
- Regis, Ed. "What Could Go Wrong? The Insane 1950s Plan to Use H-bombs to Make Roads and Redirect Rivers." *Slate*, Sept. 30, 2015.
- Reiffel, Leonard. A Study of Lunar Research Flights, vol. I. AD 425380/AFSWC TR- 59-39. Kirtland AFB, NM: Air Force Special Weapons Center, June 19, 1959.
- Richelson, Jeffrey T. America's Space Sentinels: The History of the DSP and SBIRS Satellite Systems, 2nd ed. Lawrence: University Press of Kansas, 2012.
- ----, ed. "U.S. Satellite Imagery, 1960–1999: National Security Archive Electronic Briefing Book No. 13." National Security Archive, George Washington University, Apr. 1999.
- Rogalski, A. "History of Infrared Detectors," Opto-Electronics Review 20:3 (2012), 279-308.
- Roseman, Christina Horst. Pytheas of Massalia: On the Ocean-Text, Translation and Commentary. Chicago: Ares, 1994.
- Rowe, A. P. One Story of Radar. Cambridge, UK: Cambridge University Press, 1948/2015.
- "Russia Makes Plans to Kill Space Station in 2020 Due to Sanctions." NBC News, May 13, 2014.
- Sagan, Carl, and Steven J. Ostro. "Dangers of Asteroid Deflection." Nature 368 (Apr. 7, 1994), 501.
- Sagan, Scott D. "On the Brink: How Safe Are Our Nukes?" American Scholar, Sept. 5, 2013.
- Sagdeev, Roald. The Making of a Soviet Scientist: My Adventures in Nuclear Fusion and Space from Stalin to Star Wars. New York: John Wiley & Sons, 1994.
- Sambrook, Stephen C. "The British Armed Forces and Their Acquisition of Optical Technology: Commitment and Reluctance, 1888–1914." In Year Book of European Administrative History 20. Baden-Baden: Nomos Verlagsgesellschaft, 2008.
- --- . "No Gunnery Without Glass: Optical Glass Supply and Production Problems in Britain and the USA, 1914–1918." Working paper. 2001.
- --- . "The Optical Munitions Industry in Great Britain, 1888–1923." PhD diss. University of Glasgow, 2005.
- Sawako, Maeda. "Transformation of Japanese Space Policy: From the 'Peaceful Use of Space' to 'the Basic Law on Space.' "Asia-Pacific Journal: Japan Focus 7:44:1 (Nov. 2009), 1–7.
- Scheips, Paul J. "Union Signal Communications: Innovation and Conflict." *Civil War History* 9:4 (Dec. 1963), 399–421.

- Schilling, Govert. Flash! The Hunt for the Biggest Explosions in the Universe. Translated by Naomi Greenberg-Slovin. Cambridge, UK: Cambridge University Press, 2002.
- Schlosser, Eric. Command and Control: Nuclear Weapons, the Damascus Accident, and the Illusion of Safety. New York: Penguin, 2013.
- Schuster, Richard J. German Disarmament After World War I: The Diplomacy of International Arms Inspection. London: Routledge, 2006.
- Scott, William B., and Craig Covault. "High Ground over Iraq." Aviation Week & Space Technology 158:23 (June 9, 2003), 44–48.
- Seamans, Robert C., Jr. Project Apollo: The Tough Decisions. Monographs in Aerospace History 37, SP-2005-4537. Washington, DC: NASA History Division, 2007.
- Sheehan, Michael. The International Politics of Space. London: Routledge, 2007.
- Shrock, Keith A. "Space-Based Infrared Technology Center of Excellence." Fact sheet. AFRL Space Vehicles Directorate, Space Technology Division, Infrared Technologies Center of Excellence Branch, Kirtland AFB and Hanscom AFB, Apr. 3, 2007.
- Siddiqi, Asif A. "Korolev, Sputnik, and the International Geophysical Year." In Roger D. Launius, John M. Logsdon, and Robert W. Smith, eds. *Reconsidering Sputnik: Forty Years Since the Soviet Satellite*. London: Routledge, 2000, 43–72.
- ----. The Red Rockets' Glare: Spaceflight and the Soviet Imagination, 1857–1957. New York: Cambridge University Press, 2010.
- Sluiter, Engel. "The Telescope Before Galileo." Journal of the History of Astronomy 28:92 (Aug. 1997), 223-34.
- Smith, Marcia S. "Military and Civilian Satellites in Support of Allied Forces in the Persian Gulf War." Congressional Research Service, Feb. 27, 1991.
- Sobel, Dava. Longitude: The True Story of a Lone Genius Who Solved the Greatest Scientific Problem of His Time. New York: Walker, 2005.
- Space Foundation. *The Space Report: The Authoritative Guide to Global Space Activity.* Annual publication, 2006–.
- Stanley-Lockman, Zoe, and Katharina Wolf. "European Defence Spending 2015: The Force Awakens." European Union Institute for Security Studies-*Brief Issue* 10 (Mar. 2016).
- State Council Information Office of the People's Republic of China. "China's Space Activities in 2016–Preamble." *Global Times*/Xinhua, Dec. 27, 2016.
- Stine, Deborah D. "U.S. Civilian Space Policy Priorities: Reflections 50 Years After Sputnik." Congressional Research Service, Feb. 2, 2009.
- Stone, Richard. "A Renaissance for Russian Space Science." Science, Apr. 7, 2016. Talbot, David. "How Technology Failed in Iraq." MIT Technology Review, Nov. 2004.
- Taylor, E. G. R. The Haven-Finding Art: A History of Navigation from Odysseus to Captain Cook. London: Hollis & Carter, 1956.
- Technological Capabilities Panel of the Science Advisory Committee, Office of Defense Mobilization. "Report: Meeting the Threat of Surprise Attack" [Killian Report]. Feb. 14, 1955.
- Tester, S. J. A History of Western Astrology. Woodbridge, UK: Boydell Press, 1987. Thompson, George Raynor. "Civil War Signals." Military Affairs 18:4 (Winter 1954), 188–201.
- Tibbetts, G. R. Arab Navigation in the Indian Ocean Before the Coming of the Portuguese. London: Royal Asiatic Society of Great Britain and Ireland, 1971.
- Tseng, Lillian Lan-ying. *Picturing Heaven in Early China*. Cambridge, MA: Harvard University Asia Center, 2011.
- Turnbull, David. "Cartography and Science in Early Modern Europe: Mapping the Construction of Knowledge Spaces." *Imago Mundi* 48 (1996), 5-24.
- Union of Concerned Scientists. UCS Satellite Database.
- United Nations General Assembly. Resolutions Adopted by the General Assembly During Its Twelfth Session: 1148 (XII), 1149 (XII). Nov. 14, 1957.
- --- . Resolution 1884 (XVIII): "Question of General and Complete Disarmament." Oct. 17, 1963.

СПІВУЧАСНИЦЯ ВІЙНИ

- --- . Treaty on Principles Governing the Activities of States in the Exploration and Use of Outer Space, including the Moon and Other Celestial Bodies. Signed in London, Moscow, and Washington, Jan. 27, 1967.
- United Nations Office at Geneva: Conference on Disarmament. CD Documents on Prevention of an Arms Race in Outer Space.
- United Nations Office for Disarmament Affairs. Treaty Banning Nuclear Weapon Tests in the Atmosphere, in Outer Space, and Under Water. Aug. 5, 1963.
- United Nations Office for Outer Space Affairs. Space Law.
- United States Air Force. Counterspace Operations: Air Force Doctrine Document 2- 2.1. Aug. 2, 2004.
- ---- . Space Operations: Air Force Doctrine Document 3-14. Nov. 27, 2006. Incorporating Change 1, July 28, 2011. [AFDD 3-14 is AFDD 2-2 plus the change.]
- United States Army Ordnance Department/Lt. Col. F. E. Wright. The Manufacture of Optical Glass and of Optical Systems: A Wartime Problem. Washington, DC: Government Printing Office, 1921.
- United States Central Command. "Operation Desert Shield/Desert Storm: Executive Summary." July 11, 1991.
- United States Department of Defense. Conduct of the Persian Gulf War: Final Report to Congress. Apr. 1992.
- ---- . Quadrennial Defense Review 2014. Mar. 4, 2014.
- United States Government Accountability Office. Operation Desert Storm: Evaluation of the Air Campaign. GAO/NSAID-97-134. June 1997.
- United States Space Command. "Operations Desert Shield and Desert Storm: Assessment." Jan. 1992.
- van Creveld, Martin. Command in War. Cambridge, MA: Harvard University Press, 1985.
- ---- . Technology and War, From 2000 B.C. to the Present. Revised and expanded. New York: Free Press, 1991.
- Van Helden, Albert. "The Invention of the Telescope." Transactions of the American Philosophical Society 67:4 (June 1977), 1–67.
- ----. "Telescopes and Authority from Galileo to Cassini." Osiris 9 (1994), 8-29.
- Vaucouleurs, Gérard de. Astronomical Photography: From the Daguerreotype to the Electron Camera. Translated by R. Wright. New York: Macmillan, 1961.
- Vice President's Space Policy Advisory Board. "The Future of the U.S. Space Industrial Base: A Task Group Report." Nov. 1992.
- Viotti da Costa, Emilia. "The Portuguese-African Slave Trade: A Lesson in Colonialism." Latin American Perspectives 12:1 (Winter 1985), 41-61.
- Walker, Christopher B. F., ed. Astronomy Before the Telescope. London: British Museum Press, 1996.
- Walker, Russell G., and Stephan D. Price. AFCRL Infrared Sky Survey. Vol. 1, Catalog of Observations at 4, 11, and 20 Microns. ADA 016397. Hanscom AFB, MA: Optical Physics Laboratory, Air Force Cambridge Research Laboratories, July 1975.
- Warner, Deborah Jean. Alvan Clark & Sons: Artists in Optics. Washington, DC: Smithsonian Institution Press, 1968.
- Watson, Fred. *Stargazer: The Life and Times of the Telescope*. Cambridge, MA: Da Capo Press, 2005.
- Watson-Watt, Robert. "Radar Defense Today-and Tomorrow." Foreign Affairs 32:2 (Jan. 1954), 230-43.
- Weekes, Trevor. "Very High Energy Gamma Ray Astronomy 101." Harvard– Smithsonian Center for Astrophysics, June 2012.
- Westfall, Richard S. "Science and Patronage: Galileo and the Telescope." *Isis* 76:1 (Mar. 1985), 11–30.
- Weston, Scott A. "Examining Space Warfare: Scenarios, Risks, and US Policy Implications." Air & Space Power Journal 23:1 (Spring 2009), 73–82.

- Wie, Bong. "Optimal Fragmentation and Dispersion of Hazardous Near-Earth Objects: NIAC Phase I Final Report." Asteroid Deflection Research Center, Iowa State University, Sept. 25, 2012.
- Williams, J. E. D. From Sails to Satellites: The Origin and Development of Navigational Science. Oxford: Oxford University Press, 1992.
- Wolter, Detlev. *Common Security in Outer Space and International Law*. Geneva: United Nations Institute for Disarmament Research, 2006.
- Wright, David, Laura Grego, and Lisbeth Gronlund. The Physics of Space Security: A Reference Manual. Cambridge, MA: American Academy of Arts and Sciences, 2005.
- Zak, Anatoly. "A Rare Look at the Russian Side of the Space Station." Air & Space Smithsonian, Sept. 2015.
- ----. "Russia Approves Its 10-Year Space Strategy." Blog post. Planetary Society, Mar. 23, 2016.
- Zimmerman, David. Britain's Shield: Radar and the Defeat of the Luftwaffe. Stroud, UK: Amberly, 2013.