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## **Military Science (Classes U and selected parts of Z, K, as appropriate)**

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### **I. Scope**

This Collections Policy Statement covers Military Science which is the academic discipline dealing with principles of military conflict and warfare. Materials collected by the Library cover military organizations and descriptions of armies, strategic and tactical theory, logistics, command and control, and the training and management of troops.

The scope of the Library collection in military science encompasses all of class U, selected parts of class Z, and parts of other classes with related and overlapping content. Materials with a primarily historical focus may be found under classes D and E. Materials on Naval Science are found under class V.

Subject areas of Military Science that overlap with Class K, Law, include American military assistance, civil defense, courts-martial and courts of inquiry, martial law, military law, nonlethal weapons, prisoners of war, war on terrorism, and many others. Refer to the Law Collections Policy Statement for further details.

Other topics with significant overlap include the following: Areas of military science that discuss peacekeeping issues may be found under class JZ (International relations), and areas of military science that cover prisoners of war may also be found in classes R (Medicine), and B (Psychology).

Most of the U class is collected at research level, with some subclasses at the research/instructional support level.

### **II. Research Strengths**

#### **A. General**

Published materials on the subjects of military science are to be found in the Library's general collections and include the major published source materials required for dissertations and independent research. Areas of special strength in the general collections include monographs and serials for the study of United States military science and the study of military organization and situations for most countries. Included in the collection are all important reference works and a comprehensive selection of important specialized monographs as well as a very extensive collection of journals and major indexing and abstracting services in the field, including a selection of online subscription and open-access database services, some with access to full-text resources.

## B. Areas of Distinction

Numerous specialized microform collections complement the print collections; a large number of these are located in the Technical Reports Section (TRS) which houses reports from individual government labs, as well as World War II Publications Board (PB) reports, Atomic Energy Commission (AEC) reports, and the Reports of the United States Strategic Bombing Survey (USSBS). The TRS section also has major collections of technical reports in print, including Atomic Energy Commission reports prepared by military contractors, NATO's Advisory Group for Aerospace Research & Development, Rand Corporation Technical Reports, and significantly, the Office of Scientific Research and Development (OSRD) research in war-related technology from World War II. The Technical Reports Section has excellent descriptions of relevant materials on their Web page, *Technical Reports and Standards: Technical Reports Collections*.

In the Library's General Collections there is a large historical collection from the late 1940s of Field Manuals (FMs), Technical Manuals (TMs), and Technical Orders (TOs) for the various branches of the military. These are described in several catalog entries under the call number U408.3.A13. Another collection of pamphlets in the General Collections is the *U.S. military education pamphlets, from 1832-1943* (Collections Level Record).

Additional valuable resources on military science may be found in other divisions of the Library, especially the Manuscript, Geography and Map, Rare Book and Special Collections, and Prints and Photographs divisions.

Military records are a significant part of the Manuscript Division's holdings, beginning with several important collections from the American Revolution, the most significant of which is probably the *Papers of George Washington, 1592-1943*. This collection of 65,000 documents is the largest collection of original Washington documents in the world. It is represented on the Library's Web site in American Memory as a fully searchable collection, the *George Washington Papers at the Library of Congress*, and includes papers on military stores, strategy, assistance, aid, intelligence, and other military topics, most of which are found in *Series 6: Military Papers. 1755-1798*.

The Manuscript Division's collections are particularly rich for the eighteenth and nineteenth centuries, but they also have a significant amount of material from World War I, World War II, the Korean War, and the Vietnam War. The collections include the papers of military heroes and commanders; for example the papers of Gen. John Joseph (Black Jack) Pershing, and Maj. Gen. John Archer Lejeune, which document the role of the American Expeditionary Forces in World War I. For the World War II period, the division has the papers of generals Henry H. "Hap" Arnold, Ira C. Eaker, Curtis E. LeMay, George S. Patton, and Carl A. Spaatz, who were

instrumental in assuring Allied victory by establishing the United States as the world's greatest air power. The Edward L. Rowny Papers cover not only World War II but also the Korean and Vietnam wars and strategic arms negotiations on behalf of the North Atlantic Treaty Organization (NATO).

The Geography and Map Division is an excellent source of military topographic and tactical maps and several collections are digitized and available on the Library's Web site in American Memory under the category *Military Battles and Campaigns*. Within this category are maps showing campaigns of major military conflicts including troop movements, defensive structures and groundworks, roads to and from sites of military engagements, campsites, and local buildings, topography and vegetation. Some are manuscripts drawn on the field of battle, while others are engraved including some that have manuscript annotations reflecting the history of the battle or campaign. Individual collections include *The American Revolution and Its Era: Maps and Charts of North America and the West Indies, 1750-1789*, *The Rochambeau Map Collection*, which contains cartographic items used by Jean Baptiste Donatien de Vimeur, comte de Rochambeau (1725-1807), when he was commander in chief of the French expeditionary army (1780-82) during the American Revolution. Also included are the *Civil War Maps, 1861 -1865*, which includes the detailed battle maps made by Major Jedediah Hotchkiss for Generals Lee and Jackson, General Sherman's Southern military campaigns, and maps taken from diaries, scrapbooks, and manuscripts.

The U.S. Civil War period is extremely well represented across all collections of the Library, with digitized materials in American Memory, and thousands of photographs in Prints and Photographs. An excellent online guide, *US Civil War: Selected Resources*, is available on the Main Reading Room Web page.

Additional digitized collections of interest to researchers in military science in the Library include the *World War II Military Situation Maps* and *Panoramic Photographs*, both in American Memory. Special collection materials, however, are not necessarily included in the general Library catalog, but may require searching in finding aids and other reference tools, some of which are online on individual reading room Web pages. For example, the Korean military serials collection, *Taehan Min'guk Yukkun Sagwan Hakkyo sogye*, maintained by the Asian Reading Room, or the Prints & Photographs Online Catalog (PPOC), with subjects from the *Thesaurus of Graphic Materials (TGM)*, a fully searchable index of terms. A search using this index will lead the researcher to relevant pictures, including both those that are digitized, and those that are not.

### **III. Acquisition Sources, Current and Future**

The bulk of published monographs on military science subjects are obtained through copyright deposit. Others are acquired through Cataloging-in-Publication, purchase, the Library's overseas field offices, and occasionally donation.

Many materials and other content published directly by the Defense Department (DoD) are rapidly moving from paper to digital-only formats, much of it online-only. Within restrictions on access to military sites and restrictions on materials this content is identified and cataloged with descriptive OPAC records that include hyperlinks to the actual online resource. Other digital and online resources published by non DoD entities are also included in the OPAC as

appropriate. Collecting emphasis is given to materials that are open-access and freely available. These resources may also be included in the Library's online list of *Electronic Resources and Databases*, which includes both open-access and subscription resources. For example, the Air Force *Air University Library Index to Military Periodicals*, a serial publication, is an open-access online resource, and a link is included in the OPAC record.

The Defense Department has led the way in creating digital online content and converting paper documents to digital-only formats. Major online resources include the Defense Technical Information Center (DTIC), which in addition to hosting a large number of DoD sites, also is the largest single depository of military technical information literature. Most of the unclassified and unrestricted documents are digitized and freely available through their *Scientific and Technical Information Network (STINET)* search engine. Individual military agencies and their libraries also have sites with much in-depth content.

#### **IV. General Collecting Policy**

The Library acquires materials in all formats, e.g., print materials, microform, removable digital and magnetic media (CD-ROM, DVD, tape), audio and video, and electronic in both removable media and online or digital-only formats. For details on the collection policy for Electronic Resources, refer to the *Electronic Resources: Selection Guidelines (2004)*. Library acquisitions are required by the United States Code of Regulations to be "best editions." For details see the Copyright Office Circular 7b, '*Best Edition*' of Published Copyrighted Works for the Collections of the Library of Congress.

The Library acquires the following at the research or research/instructional support level (see table in Section V for specific classes and collection levels):

- A. All important current reference works, monographs and serials, in all languages, as outlined in the Library of Congress Classification U, with its subclasses UA (Armies), UB (Military administration), UC (Maintenance and transportation), UD (Infantry), UE (Cavalry), UF (Artillery), UG (Military engineering), and UH (Other services).
- B. All United States Government documents, unit histories, and registers for the United States Army, militia, volunteers and reserves, and the National Guard.
- C. All significant pictorial works on uniforms, special clothing, badges, insignia, and equipment. Some materials on Medals and decorations may be found in the CR class, Heraldry.
- D. The major works in: 1) Field engineering; 2) Fortifications in general; and 3) Attack and defense, land and submarine mining, and signaling.
- E. All relevant subject bibliographies and indexes in military science, in classes U and Z.

Because of actual or potential security restrictions on certain materials, those in the following categories will be acquired as completely as is practical (the Library does *not* collect classified or restricted materials):

- A. Cryptography and ciphers (UB290).
- B. Military law (UB461) and civil law relating to the military, including laws relating to ordnance departments (UB770-775, see also class K).
- C. Military crimes and offenses (UB780-789).
- D. Provost marshals (UB830-835), judiciary (UB840-845, see also class K), courts-martial (UB850-857, see also class K), and courts of inquiry (UB860-867, see also class K).

## V. Collecting Levels (Outlines from Library of Congress Classification Schedules)

Class	Subject	Level
<b>U1-900</b>	<b>Military Science (General)</b>	
21-22.3	War. Philosophy. Military sociology	4
27-43	History of military science	4
45	Historiography	4
56-59	Army clubs	4
150-155	Military planning	4
161-163	Strategy	4
164-167.5	Tactics	4
168	Logistics	4
250-255	Maneuvers (combined arms)	4
260	Joint operations. Combined operations	4
261	Amphibious warfare	4
262	Commando tactics	4
263-264.5	Atomic warfare. Atomic weapons	4
300-305	Artillery and rifle ranges	4
310-310.2	War games	4
320-325	Physical training of soldiers	4
400-714	Military education and training	4
750-773	Military life, manners and customs, antiquities, etc.	4/3
799-897	History of arms and armor (Includes special subjects such as swords, fencing, guns, etc.)	4
<b>UA 10-997</b>	<b>Armies: Organization, distribution, military situation (collect foreign regimental histories if of direct interest to the U.S.)</b>	
21-885	By region or country	4
910-915	Mobilization	4
920-925	Plans for attack and defense	4
926-929	Civil defense (NLM has research collection on health aspects.)	4
929.5-929.95	War damage in industry. Industrial defense	4
940-945	Military communication	4
950-979	Routes of travel. Distances	4
985-997	Military geography	4
<b>UB 1-900</b>	<b>Military administration</b>	
UB 160-165	Records, returns, muster rolls, etc.	4
UB 170-175	Adjutant generals' offices	4
UB 180-197	Civilian personnel departments	4
UB 250-271	Intelligence	4
UB 273-274	Sabotage	4
UB 275-277	Psychological warfare. Propaganda	4
UB 320-338	Enlistment, recruiting, placement, promotion, discharge, etc.	4/3
UB 340-345	Compulsory service. Conscription and exemption	4/3
UB 356-369.5	Provision for veterans	4
UB 370-375	Military pensions, etc.	4
UB 380-385	Soldiers' and sailors' homes	4/3
UB 407-409	Warrant officers. Noncommissioned officers	4
UB 410-415	Officers (Research level all dictionaries and atlases of medals and	4

	decorations)	
UB 416-419	Minorities, women, etc. in armed forces	4
UB 420-449.5	Furloughs	4
UB 440-449.5	Retired military personnel	4
<b>UC 10-780</b>	<b>Maintenance and transportation</b>	
UC 20-258	Organization of the service. By region or country	4
UC 260-267	Supplies and stores	4/3
UC 270-360	Transportation	4
UC 400-440	Barracks. Quarters. Camps	4/3
UC 460-535	Clothing and equipment	4/3
UC 540-585	Equipage. Field kits	4/3
UC 600-695	Horses. Mules. Remount service	4
UC 700-780	Subsistence	4
<b>UD 1-495</b>	<b>Infantry</b>	
UD 157-302	Tactics. Maneuvers. Drill regulations	4
UD 320-325	Manual of arms	4
UD 330-335	Firing. Military sharpshooting	4
UD 340-345	Bayonet drill	4/3
UD 380-425	Small arms. Swords, etc.	4
UD 450-455	Mounted infantry	4
UD 460-464	Mountain troops	4
UD 470-475	Ski troops	4
UD 480-485	Airborne troops. Parachute troops	4
UD 490-495	Airmobile operations	4
<b>UE 1-500</b>	<b>Cavalry. Armor including horse cavalry, armored cavalry, mechanized cavalry</b>	
UE 144-145	Horse cavalry	4
UE 147	Armored cavalry	4
UE 157-302	Tactics. Maneuvers. Drill regulations	4/3
UE 420-425	Cavalry sword exercises	4
UE 460-475	Horses	4
<b>UF 1-910</b>	<b>Artillery</b>	<b>4</b>
UF 157-302	Tactics. Maneuvers. Drill regulations	4/3
UF 400-405	Field artillery	4
UF 450-455	Seacoast artillery	4
UF 460-465	Siege artillery	4
UF 470-475	Howitzer artillery. Mortar batteries	4
UF 480-485	Garrison artillery	4
UF 500-515	Weapons systems	4
UF 520-537	Ordnance and small arms	4
UF 540-545	Arsenals, magazines, armories, etc.	4
UF 560-780	Ordnance material (Ordnance proper)	4
UF 820-830	Ballistics. Velocities and motions of projectiles	4
UF 848-856	Artillery instruments. Fire control, etc.	4
<b>UG 1-620</b>	<b>Military engineering</b>	
UG 160-302	Tactics and regulations	4/3
UG 335	Bridges	4
UG 340	Tunnels	4
UG 360-390	Field engineering	4
UG 400-442	Fortification	4

UG 443-449	Attack and defense. Siege warfare (NLM collects biological and bacteriological warfare comprehensively)	4
UG 470-474	Military surveying, topography, and mapping	4
UG 490	Land mines, etc.	4
UG 500-565	Technical troops and other special corps	4
UG 570-582	Military signaling	4
UG 590-613.5	Military telegraphy and telephony	4
UG 614-614.5	Military electric lighting	4
UG 615-620	Military motor vehicles	4
UG 622-1435	<b>Air forces. Air warfare</b>	
UG 633-635	By region or country	4
UG 637-639	Education and training	4
UG 640-645	Military aeronautical research	4/3
UG 700-705	Tactics	4
UG 730-735	Air defenses	4
UG 760-765	Aerial reconnaissance	4
UG 770-1045	Organization. Personnel management	4
UG 1097	Air bases	4
UG 1100-1435	Equipment and supplies	4
UG 1500-1530	<b>Military astronautics. Space warfare. Space surveillance</b>	
UG 1523-1525	By region or country	4
UH 20-910	<b>Other services</b>	
UH 20-25	Chaplains	4/3
UH 201-515	Medical and sanitary services (U.S. documents collected comprehensively by NLM)	4
UH 520-(560)	Care of sick and wounded. Relief societies	4
UH 600-629.5	Military hygiene and sanitation	4
UH 700-705	Public relations. Press. War correspondents	4
UH 750-769	Military social work. Social welfare services	4
UH 800-910	Recreation and information services	4

## Z - Subject Bibliographies

Class	Subject	Level
Z5322.N83	Nuclear warfare and the environment. Nuclear winter	4
Z5693.A7	Subject bibliography--Costume--Special topics--Armor and weapons	4
Z6675.N65	Subject bibliography--Medicine--Other, A-Z--Nuclear warfare	3/4
Z6721-6726	Subject bibliography--Military science	4
Z6724.A-Z	Subject bibliography--Military science--Special topics, A-Z	4

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