

U.S. Army Military History Institute  
950 Soldiers Drive  
Carlisle Barracks, PA 17013-5021  
30 May 2012

Gerology/Geography

## MILITARY APPLICATIONS OF GEOLOGY

### A Working Bibliography of MHI Sources

- Belloc, Hilaire. "The Obstacle of the Somme Valley." Army Quarterly (Oct 1920): pp. 70-78. Per.  
Geologic problems of the Somme River Valley.
- Brooks, Alfred H. The Use of Geology on the Western Front. Wash, DC: GPO, 1920. 40 p.  
UG465.B7.
- Cron, Robert E., Jr. "Military Geology in Time of War." Military Engineer (Jan/Feb 1933): pp. 84-88.  
Per.
- Dirmeyer, Richard D., Jr. "Military Applications of Photo-Geology." Military Engineer (Oct 1945):  
pp. 392-97. Per.
- Erdmann, Charles E. Application of Geology to the Principles of War. Reprint of Bulletin of the  
Geological Society of America (1 Aug 1943): pp. 1169-94. UG470.E651.  
Contains bibliography.
- \_\_\_\_\_. Application of Geology to the Principles of War. Washington, DC: US Geological Society,  
1943. 26 p. UG465.E73.
- \_\_\_\_\_. "Applications of Geology to Terrain Intelligence." Military Review (Jul 1945): pp. 52-55. Per.
- Geological Society of America. Committee on War Effort. Utilization of Geology and Geologists in  
War Time. NY: Society, 1942. 8 p. UG465.U84.  
Outlines possibilities.
- Gregory, Herbert E. editor. Military Geology and Topography: A Presentation of Certain Phases of  
Geology, Geography and Topography for Military Purposes. New Haven, CT: Yale, 1918.  
281 p. QE33.N27.
- Johnson, Douglas W. The Role of Geology in the First World War. NY: Geological Society of  
America, 1942. 18 p. D639.G4.J6.
- \_\_\_\_\_. "The Western Theater of War." In The Environment of Camp Funston: State Geological Survey  
of Kansas Bulletin 4. n.d. pp. 9-37. UA26.F86.M6.
- Knappen, R.S. "Influence of Geology on Engineering Problems of the Second Army Area."  
Military Engineer (Jul/Aug 1922): pp. 219-22 & 254. Per.

Moore, Raymond C. The Environment of Camp Funston. Lawrence, KS: State Geological Survey, 1918. [Bulletin 4 of the Survey]. 81 p. UA26.F86.M6.

Half covers WWI Western Front, half covers Camp Funston area.

Paige, Sidney. War: Geologists and Engineering. NY: Geological Society of America, 1942. 7 p. UG465.P34.

Essay on wartime needs.

Putnam, William C. Map Interpretation with Military Applications. NY: McGraw-Hill 1943. 67 p. UG470.P87.

See especially Parts III-IV.

Rabbitt, Mary C. A Brief History of the U.S. Geological Survey. Wash, DC; US Geological Survey, 1979. 48 p. QE76.R32.

Stow, Marcellus H. "A College Course in Military Geology and Topography." Military Engineer (Jun 1942): pp. 269-70. Per.

Thompson, A. Beeby. "Geology as Applied to Military Requirements." Royal Engineers Journal (Mar 1926): pp. 53-63. Per.

Lecture given 29 Oct 1925.

Thompson, Will F. A Military Evaluation of Portions of the St. Elias and Wrangel Mountains, Alaska, with Comments on Suggestions to the Army... Natick, MA: US Army Natick Labs, Sep 1968. 39 p. GB53.Uno41.

U.S. Army Quartermaster Research & Engineering Center. Earth Science Division. Publications in the Earth Sciences. Report, Natick, MA, Dec 1962. 56 p. GB53.U5no1.

U.S. Army Forces, Far East. Office of Engineer. Intelligence Division. Military Geology of Saipan, Mariana Islands. 3 vols. Tokyo, 1955. UG465.M54.

\_\_\_\_\_. Military Geology of Palau Islands, 1956. 285 p., map packet. UG465.M55.

U.S. Dept of Army. Control of Soils in Military Construction: Technical Manual 5-541, dated Jan 1963. 74 p., charts. MilPub-TM.

\_\_\_\_\_. Geology and Its Military Applications: TM 5-545, dated Aug 1952. 356 p. MilPub-TM.

Viletto, John, Jr. Thailand Hill and Mountain Slope Analysis: Design Testing Considerations. Natick, MA: US Army Natick Labs, 1971. 98 p. GB53.Uno68.

Wood, C.E. "Hell is Mud: Military History and the Influence of Mud." PhD dss, U NE, 2003. 182 p. UG465.W66.

## **Military Applications of Geology**

**p.3**

Wilson, James E. "The Fourth Dimension of Terrain." Military Review (Sep 1946): pp. 49-55. Per.

### **See also:**

-Bibliographies on Intrenchments in Fortifications; Military Geography section of the catalog, UA990's; and US geological explorations and surveys during 19<sup>th</sup> century, plus related items, QE74's.