

CHAPTER 13

Bibliography

13-1 PURPOSES

This chapter analyzes literature sources relevant to the planning and design of U.S. Army libraries. These documents were research for specific application to the types of libraries covered in this design guide. The list provided below is organized by topic.

13-2 U.S. ARMY LIBRARY PROGRAM: ARMY PUBLICATIONS

These documents concern the functions of any Army library, and include regulations, procedures and specific organizational relationships which govern the programming and planning process.

AR 1-16	Protection of Books and Other Publications of a Historical Nature Which are Located on Army Installations.
AR 28-1	Policies, Responsibilities, and Procedures for Post Libraries
AR 1-115	Army Field Law Library Service
AR 40-2	Libraries, Medical, Operation, Administration
AR 735-17	Property Accountability
Pam 28-30	Libraries, Operational Guide
Pam 70-1	Library Service, Technical User's Guide

TAGO Publications, Design Recreation Facilities, 1972; TISA Project Report No. 33, Library Environmental Design: Physical Facilities and Equipment, 1971.

13-3 LIBRARY PLANNING AND DESIGN, GENERAL INFORMATION, NON-ARMY PUBLICATIONS

a. MAJOR SOURCES. The references cited in this section were used extensively in developing requirements and criteria in this guide. They would be extremely useful as supplementary information to librarians, engineers, and architects involved in planning an army library facility.

(1) de Chiara, Joseph and Callender, John. *Time Saver Standards for Building Types*, edited by McGraw Hill, New York: 1973. Sections by Metcalf and other contributors present the important considerations for library planning and design. Information by Metcalf is directly from *Planning Academic and Research Library Buildings*, and covers the most important considerations covered in his book.

(2) Metcalf, Keyes, D. *Planning Academic and Research Library Buildings*, McGraw Hill, New York: 1965. This is probably the most complete and useful single reference for planning and design of all library types, although the emphasis is on academic and research libraries.

(3) Myller, Rolf. *Design of the Small Public Library* R. R. Bowker, 1976. This reference is extremely useful in establishing standards, dimensions, rules-of-thumb, etc. It contains extensive drawings which permit the reader to visualize the alternatives available.

b. MILITARY PUBLICATIONS. See these references in Chapter 1.

c. OTHER SOURCES. These references provide useful background reading.

(1) Becker, Joseph. "How Library Automation May Influence New Building Plan." *Library Buildings: Innovation for Changing Needs*. Ed. Alphonse F. Trezza. American Library Association, 1972.

(2) Davis MacConnell Ralston, Education Consultants, n.d. *Facilities Program for the Library/Multi-Media Center*, City College of New York.

(3) Langmead, Stephen and Margaret Beckman. *New Library Design: Guidelines to Planning Academic Library Buildings*. Wiley, 1970.

(4) Marples, D. G. and K. A. Knell. *Circulation and Library Design: The Influence of Movement on the Layout of Libraries*; Cambridge University, Engineering Department, 1971.

(5) Mount, Ellis, ed. *Planning the Special Library*, Special Libraries Association 1972.

(6) Peterson, H. N. "Developments in the Planning of Main Library Buildings." *Library Trends*, April 1972, pp. 693-741.

(7) *Planning the College and University Library Building: A Book for Campus Planners and Architects*. 2nd ed. Pruett Press, 1969.

(8) Schwartz, A. Elizabeth. "American Libraries Abroad: U. S. Military Libraries." *Library Trends*, January 1972, pp. 527-537.

(9) *The Impact of Technology on the Library Building*, Educational Facilities Laboratories, Inc., 1967.

(10) *The Audio-Visual Equipment Directory*, National Audio-Visual Association, Inc., Fairfax, Virginia (19th ed. 1973-4)

13-4 PLANNING THE ARMY LIBRARY: SPECIFIC FACILITY TYPES

a. BRANCH POST LIBRARIES. Etchison, A. "The Modern Army Look," *Library Journal*: 5902-5903, Dec. 1, 1966. This article presents a discussion and floor plan of Kelly Hill Branch, Third U. S. Army Library System.

b. SCIENTIFIC AND TECHNICAL INFORMATION FACILITIES

(1) AR 70-45 Scientific and Technical Information Program. This regulation establishes policy and assigns responsibilities governing the Department of the Army Scientific and Technical Information (S&TI) Program, which is

an integral part of the Department of Defense S & TI Program initiated by DOD Directive 5100.36, 31 December 1962, and further implemented by additional DOD Instructions and Directives. It applies to all Department of the Army organizations that collect, store, process, and disseminate scientific and technical information.

(2) ER-5-1-4 Administration, Technical Libraries. This document establishes policy, assigns responsibilities, and provides guidance and standards for the development and operation of the technical and research libraries of the Corps of Engineers.

c. MEDICAL LIBRARIES

(1) *Military Publications.*

(a) AR 40-2 Army Medical Treatment Facilities, General Administration. This regulation establishes policies and sets forth general administrative provisions for the operation of Army medical treatment facilities.

(b) *WRAIR 40-4 Department of the Army; Headquarters, Walter Reed Army Institute of Research, Walter Reed Army Medical Center, Washington, D.C. 20012, *Library*. This publication establishes procedures for the operation of the Walter Reed Army Institute of Research Library.

(2) *Other Publications.*

(a) *Planning the Hospital Library* United Hospital Fund of New York. New York, UHF, 1957. This document provides programs for typical libraries in 400-600 bed general hospitals. Four library types are programmed: a patient's library, a medical library, a nursing school library, and an integrated library (general and professional).

(b) Tenhundfeld, Emilie, "A Hospital Library Building Program," *Bull. Med. Libr. Assoc.* 64(1): 41-44, 1976. A building program for a 400 bed-hospital was developed by formulating a list of questions that would help to clarify an understanding of the library's needs, by visiting nearby libraries in similar institutions, and by preparing a program planning guide. This article contains a table which relates number of seats of numbers of users in a typical medical library.

(c) Yast, Helen, "Standards for Library Service in Institutions," *Library Trends* 21 (2): 267-285, October 1972. This article lists and discusses various attempts at setting standards for medical libraries.

d. LAW LIBRARIES. AR 27-5 Army Field Law Library Service. These regulations prescribe the methods of establishing and maintaining Army field law libraries.

e. CLASSIFIED COLLECTIONS

(1) *Redstone Scientific Information Center*. This is a handbook for users at RSIC with description of layout of the classified documents section.

(2) Sloane, Margaret, "Planning the New Library: TRW Systems," *Special Libraries*: 657-664, November 1965.

13-5 MASTER PLANNING, SITE PLANNING AND DESIGN

- ER 1110-1-102 Design for the Physically Handicapped
- TM 5-803-5 Installation Design
- TM 5-803-6 Installations: Site Planning of Community Centers

13-6 ARCHITECTURAL DESIGN

Architectural design is also discussed in the non-military publications listed in Paragraphs 13-3a and 13-3c.

- AR 385-30 Safety Color Code Markings and Signs
- DG 1110-3-122 Design Guide for Interiors
- EM 1110-1-103 Design for the Physically Handicapped
- TM 5-807-7 Color for Buildings
- TM 5-807-10 Signage

13-7 STRUCTURAL DESIGN

- TM 5-809-1 Load Assumption for Buildings
- TM 5-809-2 Concrete Structural Design for Buildings
- TM 5-809-3 Masonry Structural Design for Buildings
- TM 5-809-4 Structural Steel, Structural Aluminum, Steel Joists, and Cold-Formed Steel for Buildings
- TM 5-809-5 Wood Structural Design for Buildings
- TM 5-809-6 Structural Design: Structures Other Than Building
- TM 5-809-8 Metal Roofing and Siding
- TM 5-809-10 Seismic Design for Buildings
- TM 5-809-11 Design Criteria for Facilities in Areas Subject to Typhoons and Hurricanes

13-8 PLUMBING DESIGN

- TM 5-810-5 Plumbing
- TM 5-813-3 Water Supply: Water Treatment Systems
- TM 5-813-6 Water Supply: Water Supply for Fire Protection
- TM 5-814-1 Engineering and Design: Sanitary and industrial Waste Sewers

13-9 MECHANICAL DESIGN

- TM 5-810-1 Mechanical Design: Heating, Ventilating and Air Conditioning
- TM 5-810-6 Engineering and Design: Gas Fitting

13-10 ELECTRICAL DESIGN

- TM 5-811-1 Electrical Design: Electric Power Supply and Distribution
- TM 5-811-2 Electrical Design: Interior Electrical Systems
- TM 5-811-3 Electrical Design: Lighting and Electricity Protection

Metcalf, Keyes, D. *Library Lighting*. Association of Research Libraries, 1970.

13-11 FIRE SAFETY DESIGN

- TM 5-812-1 Fire Prevention Manual
- NFPA 101 National Fire Protection Association (NFPA) Life Safety Code