As a service to architects and educators concerned with the analysis or programming of educational facilities, 58 articles, books, monographs, and related items published between 1958 and 1970 are listed with accompanying key terms taken from the Thesaurus of ERIC Descriptors. The reference or source of each item is given, including procurement information for 15 documents available through the ERIC system. A list of 22 additional items, with source information but without key terms, is appended. Major emphases of the documents listed include facilities for all educational levels from elementary through college and vocational schools, computer applications to facilities planning, use of the critical path method for construction control, and the distinctive features of following a systems approach in the programming of facilities construction. (JK)
CLEARINGHOUSE ON EDUCATIONAL FACILITIES

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ANALYSIS & PROGRAMING

EDUCATIONAL FACILITIES

A Selected Bibliography
May 1970
The work presented herein was performed pursuant to a contract with the U. S. Office of Education, Department of Health, Education, and Welfare (OEC-1-7-070883-5095).

ERIC CLEARINGHOUSE ON EDUCATIONAL FACILITIES
The University of Wisconsin
Madison, Wisconsin
May 1970
INTRODUCTION

The following is a Selected Reference List of source publications of interest to architects and educators contemplating the analysis or programming of educational facilities. The listing has been prepared by the Educational Resources Information Center (ERIC) Clearinghouse on Educational Facilities located at the University of Wisconsin, Madison, Wisconsin, funded by the U. S. Office of Education.

Each indexed reference source is followed by an alphabetical listing of descriptors which were selected to describe the subject elements of each document. Major descriptors are the most important descriptors assigned to a given document and are identified by an asterisk. The descriptors used throughout this bibliography are part of the Thesaurus of ERIC Descriptors, which is used for indexing, storing, and retrieving documents handled by the ERIC system.
CONTENTS

1. ANALYSIS & PROGRAMING EDUCATIONAL FACILITIES....... 4

2. ADDITIONAL REFERENCES.............................. 18
ANALYSIS & PROGRAMMING EDUCATIONAL FACILITIES

*Classification; *Communications; *Design; *Information Processing; *Information Seeking; Bibliographies; Design Needs; Methods; Models; Objectives; Personnel; Research


*Decision Making; *Design Needs; *Methodology; *Problem Solving; Design; Mathematics; Organization; Performance Factors; Physical Environment; Planning; Problem Sets

Alexander, Christopher; And Others. "Relational Complexes in Architecture," Architectural Record, 140 (Sept. 1966), 185-190.

*Decision Making; *Design; *Facility Requirements; *Problem Sets; *Relationship; Architectural Programming; Interaction; Physical Design Needs; Psychological Design Needs; Systems Analysis


*Architecture; *Building Design; *Language; *Public Facilities; *Specifications; Organization; Physical Design Needs; Problem Solving


*Architecture; Programing; *Design; *Design Needs; *Methodology; *Theories; Architecture; Decision Making; Organization; Problem Sets; Systems Analysis; Systems Approach

*Construction Costs; *Planning; *School Construction; *Systems Analysis; *Systems Approach; *School Planning


*Facility Inventory; *Higher Education; *Models; *Research Methodology; *Space Utilization; Capital Outlay; Educational Administration; Educational Finance; Educational Planning; Physical Facilities


*Architectural Programming; *Design Needs; *Facility Requirements; *School Planning; *Senior High Schools; Co-curricular Activities; Curriculum; Decision Making; Educational Objectives; Educational Philosophy; Educational Specifications; Environmental Influences; Facility Guidelines; Systems Analysis


*Architectural Programming; *Campus Planning; *College Buildings; *Higher Education; *Program Planning; Data; Educational Specifications; Maintenance; Speeches


*Architectural Programming; *Building Design;
*Dormitories; *Research Needs; *Sociology; Decision
Making; Information Utilization; Role Theory

Guidelines to Planning Wisconsin's Public Post High School
Education Program and the Supporting Building Program.
Madison, Wisconsin: Wisconsin Coordinating Council
for Higher Education, 732 North Midvale Boulevard,
1966. 8 pp.

*Construction Programs; *Educational Planning; *Higher
Education; *Program Guides; *State Agencies; Educational
Objectives; Facility Expansion; Guidelines; Program
Planning

Haviland, David S. Components for School Construction in
the Mid-Hudson Region. Progress Report 2. Troy,
New York: Rensselaer Polytechnic Institute, Center
for Architectural Research, and/or Bethesda, Maryland:
ERIC Document Reproduction Service, National Cash
Register Company, MF-$0.75, HC-$5.80, ED 014 209.

*Construction Needs; *Design; *Planning; *School Con-
struction; *Systems Analysis; Building Design; School
Design; School Planning

Horowitz, Harold. The Program's the Thing. The New Archi-
of Architects, 1967.

*Behavioral Sciences; *Building Design; *Criteria;
*Design Needs; *Programming; College Buildings; Con-
trolled Environment; Flexible Facilities; Information
Processing; Interviews, Master Plans; Role Theory;
School Size; Site Analysis; Spatial Relationship

Hunt, William Dudley, Jr., Ed. Comprehensive Architectural
Services--General Principles and Practice. New York:
McGraw-Hill Book Company, 330 West 42nd Street,

*Architects; *Architecture; *Building Design; *Guides-
lines; *Professional Services; Architectural Programming;
Fees; Site Analysis; Systems Analysis

*Decision Making; *Methods; *Models; *Organizations (Groups); Sociology; Systems Analysis; Systems Approach


*Computer Programs; *Higher Education; *Institutional Research; *Simulation; *Systems Analysis; Budgets; Enrollment Projections; Faculty Load; Space Requirements


*Building Design; *Computers; *Critical Path Method; *Programming; *School Construction; Information Processing; Models; Networks; Scheduling; Systems Analysis


*Facility Utilization Research; *Higher Education; *Research Methodology; *Space Utilization; *Scheduling; Campus Planning; Computer Science


*College Planning; *Computer Programs; *Facility Guidelines; *Scheduling; *Student Needs; Class Size; Curricular Activities; Decision Making; Display Systems; Enrollment Projections; Information Processing; Simulation

*Critical Path Method; *Educational Planning; *Management; *Sequential Approach; *Time; Educational Administration; Electronic Data Processing; Networks; Program Costs; Public Schools; Scheduling; Statistical Analysis


*Critical Path Method; *Management Systems; *Planning; *Technical Institutes; *Vocational Schools; Bibliographies; Graphs; Models; Systems Analysis; Systems Approach; Techniques


*Architectural Programming; *Campus Planning; *Design Needs; *Facility Guidelines; *Planning; College Housing; Dining Facilities; Facility Requirements; School Planning; Site Analysis; Space Utilization


*Building Design; *Computers; *Networks; *Objectives; *System Analysis; Decision Making; Information Processing; Models


*Campus Planning; *Higher Education; *Land Use; *Master Plans; *Traffic Circulation; Design Needs; Facility Inventory; Flexible Facilities; Pedestrian Traffic; School Expansion; Transportation; Vehicular Traffic


*Campus Planning; *Facility Inventory; *Facility Utilization Research; *Higher Education; *Space Utilization; College Housing; Facility Guidelines; Master Plans; Scheduling; Space Classification


*Campus Planning; *Colleges; *Facility Guidelines; *Universities; *Utilities; Bibliographies; Communications; Electrical Systems; Heating; Information Storage; Kinetics; Plumbing; Sanitary Facilities; Telephone Communication Systems


*Architectural Research; *Campus Planning; *Design Needs; Acoustical Environment; Building Materials; Construction (Process); Elementary Schools; Secondary Schools; Windowless Classrooms


*Architectural Programming; *Design Needs; *Objectives; *Research; *Systems Approach; Data Collection; Methods; Standards


*College Planning; *Construction Programs; *Facility Expansion; *Facility Guidelines; *Higher Education; Educational Specifications; Facility Requirements


*Critical Path Method; *Networks; *Program Evaluation; *Scheduling; Computers; Decision Making; Methods; Sequential Approach; Simulation


*Bibliographies; *Decision Making; *Problem Solving; *School Design; *Systems Approach; Architectural Programming; Architecture; Building Design; Campus Planning; City Planning; Design; Methods; Models; Planning; Systems Engineering

*T budgeting; *Capital Outlay; *Educational Finance; *Higher Education; *Systems Approach; Bibliographies; Cooperative Planning; Resource Allocations; Systems Development; Team Administration


*Higher Education; *Institutional Research; *Management; *Program Evaluation; *Programming; Guidelines


*College Housing; *Design Needs; *Dormitories; *Student Needs; Bibliographies; Building Design; Building Plans; Component Building Systems; Housing Industry; Housing Needs; Physical Environment; Research


*College Planning; *Facility Inventory; *Facility Utilization Research; *Institutional Research; *Scheduling; Classification; Data Collection; Surveys


*Architectural Character; *Architectural Programming; *Building Design; *Campus Planning; *College Buildings; Architectural Elements; Architecture; Construction Programs; Facility Expansion; Planning

*College Planning; *Educational Programs; *Junior Colleges; *Scheduling; *Simulation; Educational Planning; Guidelines; Post Secondary Education

Zimmerman, Mary Ann. Estimation of Parking Demand at a University Campus Serving Commuting Students. LaFayette, Ind.: Mary Ann Zimmerman, Dept. of Civil Engineering, Purdue University, 1968. 71 pp.

*Campus Planning; *Commuting Students; *Parking Areas; *Space Utilization; Bibliographies; Parking Controls; Student Transportation; Traffic Circulation


Deasy, C. M. "When a Sociologist Gets into the Act," AIA Journal, 49 (Jan. 1968), 72-76.


