Electronic Data Processing

SCOPE: The purpose of this guide is to provide a starting place for the individual who wishes to do research in the area of electronic data processing. Sources were selected to indicate the range of materials available on the subjects of software, hardware, telecommunications, and EDP management. EDP auditing is not covered because it is the subject of a separate publication. (See OLS-83-01.) Types of material included are basic reference works which explain concepts and terms, indexes, abstracting services, and bibliographies which provide references to other publications, and basic texts which discuss the subject at greater length. Sources for standards and conferences are also included. All items are available in the Technical Library unless otherwise designated.
SUBJECT HEADINGS under which books on electronic data processing can be located in the GAO card catalog include:

BASIC
COBOL
Computer Crimes
Computer Industry
Computer Programming Management
Computer Programs
Computers
Electronic Data Processing
Electronic Data Processing Departments
Electronic Digital Computers
FORTRAN
Microcomputers
Minicomputers
Programming (Electronic computers)
Programming Languages (Electronic languages)

BASIC TEXTS for the novice:


QA76.B75


QA76.C69


TK5101.M327


QA76.S512

ADDITIONAL TEXTS:


QA76.A93


HF5548.2.B394

QA76.6.B64


T58.6.B87


T57.6.C68


HF5548.2.D423


TK5105.D64


QA76.9.D5M36


QA76.9.D5M37


QA76.9.D3M37


QA76.9.D3.M37


TK5101.M327 1981


T58.6.S76


T58.64.S45


QA76.6.Y67 1979


QA76.6.243

DICTIONARIES which contain information on electronic data processing include:


REF QA76.15.C46


REF QA76.5.C43


REF TK7885.D5


REF TK9.1478 1977


REF QA76.15.M39

REF QA76.15.S57 1980


REF TK5105.S56 1976


REF TK7885.A2556

**ENCYCLOPEDIAS** which contain short articles on electronic data processing are:


REF QA76.15.J65


REF QA76.15.E48


REF QA76.15.E5

**DIRECTORIES:**


REF Z699.22.C635


REF QA76.6.C66

*Data Sources*. New York: Ziff-Davis Publishing Company, 1982 -.

REF QA76.6.D38


REF HF5548.2.A85

REF QA76.55.D38


REF QA76.D25


REF TK5105.D264


REF TK7888.3.D3


REF HE7621.D37


REF QA76.D29

Datapro 70; the EDP Buyer's Bible. 3 vols. Delran, N.J.: Datapro Research Corporation, 1982 - .

REF QA76.D3


REF QA76.D565 1982


REF QA76.D57


REF QA76.D33


REF Z1223.A1U53

REF Z674.3.E52


REF HD9696.C63.U53 1982

SOFTWARE DIRECTORIES:


REF QA76.C57


REF QA76.5.D38


REF QA76.D37


REF QA76.5.F29


REF QA76.6.I565

BIBLIOGRAPHIES:


REF Z564.2.A35


REF QA 76.C3617

REF QA76.M94

NTIS published searches: (The Library has several of these in the Reference Collection. The following titles are a sampling.)


REF 25642.3.C37


REF 25640.U5

**JOURNALS** that often contain relevant articles to electronic data processing are:

ACM Transactions on Database Systems

Bulletin of the American Society for Information Science

BYTE

CAD/CAM Digest

Communications News

Communications of the ACM

Computer Age: EDP Weekly

Computer Age: EFTS

Computer Age: Government Computer Procurement

Computer Age: Software Digest

Computer Decisions

Computer Design

Computer Economics Report

Computer Graphics News

Computer Law and Tax Report (available in the Law Library)
Computer Networks
Computer Security Journal
Computers and Operations Research
Computers and People
Computers and Security
Computers, Control and Information Theory
Computerworld
Computerworld OA
Computing Surveys
Creative Computing
Data Base
Data Processing Digest
Database
Datamation (May issue: application software survey; June issue: top 10 U.S. DP companies; Oct. issue: salary survey; Nov. issue: mini, micro survey; Dec. issue: systems softwares survey.)
Desktop Computing
DM: Data Management
EDP Analyzer
EDP In-Depth Reports
EDP Industry Report
EDP Performance Review
EDPACS
Electronic News
Electronics
Government Computer News
Government Data Systems
IBM Systems Journal
IEEE Spectrum (January issue: a state of the art review of hardware)

Information and Word Processing Report

Information Intelligence Online Newsletter

Information Management; Systems, Technology, Software, Media

Information Retrieval and Library Automation

Information Services and Use

Information Systems

Infosystems (April issue: micrographics and salary survey; June issue: word processing and data processing and salaries survey.)

Infoworld

Journal of Library Automation

Journal of Systems Management

Journal of the Association for Computing Machinery

Law and Computer Technology (available in the Law Library)

Micro

Microcomputing

Mini-Micro Systems

Modern Office Procedures

Office

Office Administration and Automation

Personal Computing

Popular Computing

Telecom Insider

Telecommunications

Words
ABSTRACTING AND INDEXING SERVICES which index relevant journal articles and other literature on electronic data processing are:

**Computer Literature Index.** Phoenix, Ariz.: Applied Computer Research, 1975 - .

REF QA76.Q3

**Computer Contents**.

Available in the periodical collection.


Available in the periodical collection.

**Computing Reviews.** New York: Association for Computing Machinery, 1976 - .

REF QA76.C5854

**Computing Technology; a Bibliography of Selected Rand Publications.** Santa Monica, Calif.: Rand Corporation, 1977.

REF Z1217.R3 no 1036

**Data Processing Digest.** Los Angeles, Calif.: Data Processing Digest, Inc., 1976 - .

Available in the periodical collection.

**Microcomputer index.** Santa Clara, Calif.: Microcomputer Information Services, 1973 - .

REF QA76.M55


QA76.U53

DATA BASES which provide references to articles about EDP or descriptions of software include:

- COMPENDEX
- International Sofware Database
- INSPEC
- ISMEC
- Microcomputer Index
- NTIS
STANDARDS AND REGULATIONS applicable to electronic data processing:

  Available in the Law Library.

  JK468.A8A3

  REF TH9111.N3 1980

- Standards and Specifications. This is a data base accumulated by National Standards Association, Inc. It is updated monthly and available through the GAO Technical Library. Includes citations to standards developed by DOD, GSA, ASTM, ANSI, and UL, among others.

CONFERENCE AND MEETINGS are announced in these publications:

  REF Q11.T2

The following journals list meetings:

- BYTE
- Communications News
- Communications of the ACM
- Computer Decisions
- Computer Design
- Computer Networks
- Computerworld CA
- Creative Computing
Datamation
Desktop Computing
DM, Data Management
Electronic News
Electronics
Government Computer News
IEEE Spectrum
Information Intelligence Online Newsletter
Information Management; Systems, Technology, Software and Media
Information Retrieval and Library Automation
Information Services and Use
Information Systems
Infosystems
Microcomputing
Mini-Micro Systems
Office
Office Administration and Automation
Popular Computing
Telecommunications

**GAO PUBLICATIONS** (These publications are also available directly from IMTEC):


QA76.5.U5

