

AD645442

# TECHNICAL MEMORANDUM

(TM Series)

Distribution of this document is unlimited.

This document was produced by SDC in performance of contract ADI 65-1 and SDC Indeper  
Research Project.

---

A Bibliography on Information Science  
and Technology for 1966. Part III.

By

Frances Neeland

25 November 1966

SYSTEM

DEVELOPMENT

CORPORATION

2500 COLORADO AVE.

SANTA MONICA

CALIFORNIA

90406

**BEST AVAILABLE COPY**

---

The views, conclusions or recommendations expressed in this document do not necessarily reflect the official views or policies of agencies of the United States Government

Although this document contains no classified information it has not been cleared for open publication by the Department of Defense. Open publication, wholly or in part, is prohibited without the prior approval of the System Development Corporation.



20040901155

25 November 1966

-1-

TM-3008/003/00

Abstract

The primary aim of this continuing bibliography is to assist the authors of the chapters in "Annual Review of Information Science and Technology" in discovering the existence or determining the identity of documents relevant to their topics. The style of entries also reflects the author's requirements. The "Abbreviations and Index for Periodicals Cited" is cumulative for parts I through III.

Preface

The National Science Foundation has awarded a grant to the American Documentation Institute to support the establishment of the series, "Annual Review of Information Science and Technology." The System Development Corporation is providing general technical support to ADI, with Dr. Carlos A. Cuadra serving as Editor.

The abbreviations for the periodical titles in this document are based on the rules in "American Standard for Periodical Title Abbreviations," (Z 39.5-1963)

Grateful acknowledgement is made to Jann Brady for typing and for clerical support.

- (ABAJIAN, ALBERT N. see Ref. 1101 j)
1022. ABELSON, PHILIP H. Coping with the Information Explosion. Science, 154 (7 Oct. 1966) 75.
1023. ADAMS, SEXTON & DOYLE Z. WILLIAMS. Information Technology and the Accounting Organization. Manage. Serv., 3 (Sept.- Oct. 1966) 15-23.
- (ADKINSON, BURTON W. see Refs. 1163 b & 1443 zz)
- (AHN, HERBERT K. see Ref. 1256 a)
1024. AIR FORCE ACCOUNTING AND FINANCE CENTER. Legal Information thru Electronics. Denver, Colo., 1966.
1025. AITCHISON, T. M. & P. CLAGUE. Selective Dissemination of Information Project. Report of Work Carried Out During the Period 1 Oct. 1965 - 28 Feb. 1966. (S.D.I. project, phases 1 and 2.) National Electronics Research Council, London, Mar. 1966, 33, 31 p. (NERC report SDI/1.)
1026. ALBERT, ROBERT A. Striving for Excellence with Man and Machine. Syst. Proced. J., 17 (Sept.- Oct. 1966) 34-38.
1027. ALCORN, BRUCE K. A Proposal for a Total Information System for Educational Institutions. J. Educ. Data Process., 3 (Spring 1966) 67-72.
1028. ALDEN ELECTRONIC & IMPULSE RECORDING EQUIPMENT, INC. New Advances in Instant Graphic Weather Transmission. Alden Research Center, Westboro, Mass., 13 p. (Brochure)
- (ALEXANDER, ROBERT H. see Ref. 1361 c)
- (ALLEN, LAYMAN E. see Refs. 1055 n & 1250 dd)
- (ALMENDINGER, VLADIMIR V. see Ref. 1032 t)
1029. ALT, FRANZ. Information Handling in the National Standard Reference Data System. National Bureau of Standards, Office of Standard Reference Data, Institute for Basic Standards, 1 July 1966, 24 p. (Tech. Note 290)
1030. AMANN, CHARLES & MELVIN KLERER. Flexowriter/DIDA System. Hudson Labs. Columbia Univ., Dobbs Ferry, N.Y., Feb. 1966, 91 p. Report no. TR-124, CU-149-66-ONR-266-Phys. (AD-635 229)

1031. AMANN, CHARLES & MELVIN KLERER. Hardware Documentation of a General Purpose Paper Tape Reader. Hudson Labs., Columbia Univ., Dobbs Ferry, N.Y., Mar. 1966, 21 p. Report no. TR-125, CU-150-66-ONR-266-Phys. (AD-635 379)

1032. AMERICAN DATA PROCESSING, INC. Computer Yearbook and Directory. Detroit, Mich., 1966, 720 p. Contents:

#### Humanities

- a. HILTON, ALICE MARY. The Role of the Church in a Changing Society, p. 24-28.
- b. DAVIS, ROBERT H. The Computer is Neutral, p. 29-37.

#### State of the Art

- c. ROBINSON, HERBERT W. The Outlook for the Automatic Data Processing Industry, p. 40-44.
- d. HENRIQUES, VICO E. Data Processing Standards, p. 45-48.
- e. AUERBACH, ISAAC L. Information Technology in the United States, p. 49-55.

#### Hardware

- f. HILLEGASS, JOHN R. & ALAN E. TAYLOR. Survey of Random Access Storage, p. 58-68.
- g. LARROWE, VERNON L. Hybrid Computers, p. 69-74.
- h. RABINOW, JACOB. Optical Character Recognition Today, p. 75-82.
- i. TALLEY, DALLAS L. Plotters '65, p. 83-90.
- j. HARRIS, BERNARD. Trends in Computer Hardware, p. 91-95.

#### Software

- k. SIMON, BEVERLY. COBOL, p. 98-102.
- l. STEINHART, ROBERT F. FORTRAN--The State of the Art, p. 103-106.

- m. BAILEY, MILDRED L. Toward a Disciplined Data Systems Language, p. 107-116.

#### Data Communications

- n. HEDGE, WILLIAM C. Real Time Communications, p. 119-134.
- o. MARCRI, JOHN P. Data Communications, p. 135-138.

#### Techniques

- p. LANDAUER, J. P. The Spectrum of Hybrid Computer Applications, p. 140-150.
- q. De BAUN, R. M. Process Simulation and Optimization with a Computer, p. 151-160.
- r. KELLEY, ROBERT A. Numerical Control and the Computing World, p. 161-168.
- s. PRIMEAU, R. A. Advances in Air Traffic Control Simulation, p. 169-174.
- t. ALMENDINGER, VLADIMIR V. SPAN: A System for Urban Data Management, p. 175-182.
- u. WOELLNER, DAVID A. The Four Problem Areas, p. 183-188.
- v. FURTH, S. E. Information Retrieval and the Computer, p. 189-194.
- w. HATTERY, LOWELL H. Computers, Typesetting, Printing, and Publishing, p. 196-206.
- x. REISTAD, DALE L. Technological Revolution in Banking, p. 207-210.
- y. LANPHER, BUEL F. Use of Electronic Data Processing in Farming, p. 211-214.
- z. BEDERSON, EDWIN M. Second Generation OCR in Use, p. 215-218.
- aa. DAVIS, A. L. Railroad Information System for Management Control, p. 219-228.
- bb. KORNFELD, LEO L. Educational Information Systems, p. 229-232.

1032. AMERICAN DATA PROCESSING, INC. Computer Yearbook and Directory. (Cont'd)<sup>a</sup>  
cc. BAKER, EDWARD L. Automatic Post Office, p. 233-235.  
Directory Section, p. 238-720.
1033. AMERICAN MANAGEMENT ASSOCIATION. The Third Generation Computer: Software Issues; Information Input, Access, and Retrieval; Management Information Systems. New York, 1966, 64 p. Adapted from presentations at AMA's 12th Annual EDP Conference. (Management Bull. 79)
1034. ANGELL, RICHARD S., BARBARA EVANS MARKUSON, & DAVID SPARKS. A Report on the 29th Annual Meeting of the American Documentation Institute, held in Santa Monica, Calif., October 3-7, 1966. Libr. Congr. Inform. Bull., 25 (27 Oct. 1966) Append. II (p. 667-674)
1035. ANNAN, GERTRUDE L. Copying Dilemma. Libr. J., 91 (1 Sept. 1966) 3802, 3804.
1036. Annual Reference Section. Bus. Automat., 13 (Sept. 1966) 72-190.  
Contents:  
Data Gathering and Transmission Equipment; Data Display Equipment; Computer Characteristics; Process Control Computers; Microform Reader/Printer Equipment, Facsimile Equipment, EDP Personnel Recruitment, Placement Services; Listing of Manufacturers and Suppliers; Listing of Manufacturers and Suppliers According to Products; Trade Names in Common Use.
1037. ARTANDI, SUSAN. The Searchers-- Links between Inquirers and Indexes. Spec. Libr., 57 (Oct. 1966) 571-574.  
(AUERBACH, ISAAC L. see Ref. 1032 e)  
(AUGER, PIERRE see Ref. 1250 c)  
(AUSTIN, CHARLES J. see Ref. 1250 kk)  
(AWALT, FRANCIS G., JR. see Refs. 1055 c & p)  
(BAER, MARK H. see Ref. 1256 b)  
(BAILEY, MILDRED L. see Ref. 1032 m)  
(BAKER, CHARLES E. & LARRY L. PIPKEN see Ref. 1354 v)

1038. BAKER, CHARLES E. & ANTHONY D. RUGARI. The Laser Display--A Large Screen, Real-Time, Display Technique. Inform. Display, 3 (Mar./Apr. 1966) 37-39, 42-46.
1039. BAKER, D. M. Economic Considerations of Conversion. Datamation, 12 (June 1966) 30-34.  
(BAKER, EDWARD L. see Ref. 1032 cc)  
(BALABAN, PHILIP see Ref. 1354 z)
1040. BALKEMA, JOHN B. Topics in Library Technology: Charging Systems. Bull. Med. Libr. Ass., 54 (Jan. 1966) 33-37.
1041. BARE, CAROLE E. The Measurement of Attitudes Toward Man-Machine Systems. Human Fact., 8 (Feb. 1966) 71-79.
1042. BARNETT, JOSEPH L. How to Install a Management Information and Control System. Syst. Proced. J., 17 (Sept./Oct. 1966) 10-14.
1043. BARMACK, JOSEPH E. & H. WALLACE SINAIKO. Human Factors Problems in Computer-Generated Graphic Displays. Institute for Defense Analyses, Research and Engineering Support Div., Arlington, Va., Apr. 1966, 118 p. Report no. IDA/HQ-66-4820, Study S-234. (AD-636 170)
1044. BARNARD, A. J., JR. & W. J. WISWESSER. Use of the BATCH Number with Hand-Manipulated Files. J. Chem. Doc., 6 (Aug. 1966) 188-189.  
(BAROT, C. P. see Ref. 1271 f)  
(BARRON, D. W. & C. STRACHEY see Ref. 1180 c)  
(BARUCH, JORDAN J. see Ref. 1366 e)
1045. BATES, JOHN K. A Classification of Information Display. Inform. Display, 3 (Mar./Apr. 1966) 47-51.
1046. BAUER, CHARLES K. What's in a Statistic? Spec. Libr., 57 (Oct. 1966) 579-580.
1047. BAUM, HARRY. A Clearinghouse for Scientific and Technical Meetings: Organizational and Operational Problems. Amer. Doc., 17 (Jan. 1966) 28-32.



(BECK, CLARK E. see Ref. 1443 ss)

1048. BECKLEY, DUDLEY F. Check Digit Verification. Data Process., 8 (July - Aug. 1966) 194-201.

(BEDERSON, EDWIN M. see Ref. 1032 z)

(BEDSOLE, DANNY T. see Ref. 1256 d)

(BEGUM, SUGRA & AFROZE FATHIMA see Ref. 1271 u)

1049. BERGEN, DAN. Implications of General Systems Theory for Librarianship and Higher Education. Coll. Res. Libr., 27 (Sept. 1966) 358-388.

1050. BERKELEY, EDMUND C. Man/Computer Interface [Editorial] Comput. Automat., 15 (May 1966) 7.

1051. BERNHARDT, RÜDIGER. Computer Use in Making the German Bibliography. Nachr. Dok., 17 (Mar. 1966) 23-30.

1052. BERRY, JOHN. Looking for Answers. Libr. J., 91 (Aug. 1966) 3625-3635.

(BERRY, JOHN M. see Ref. 1443 aaa)

1053. BERUL, L. & J. SAYER. What's Wrong with Information Retrieval? Mach. Design, 38 (7 July 1966) 106-109.

(BERUL, LAWRENCE & ALLAN KARSON see Ref. 1250 x)

(BEVIS, DOROTHY see Ref. 1391 b)

(BHATTACHARYYA, GANESH see Ref. 1271 j)

1054. Les Bibliothèques et la Documentation en Belgique [Libraries and Documentation in Belgium]. Bull. Bibl. Fr., 11 (Jan. 1966) 1-43.

(BIGELOW, JULIAN see Ref. 1250 s)

1055. BIGELOW, ROBERT P., et al. (eds.) Computers and the Law: an Introductory Handbook. Commerce Clearing House, Inc., New York, 1966, 150 p. (A Publication of the Special Committee on Electronic Data Retrieval, American Bar Association.) Contents:

a. FURTH, STEPHEN E. & PAUL S. HOFFMAN. Introduction to Machine Methods, p. 1-38.

1055. BIGELOW, ROBERT P., et al. (eds.) Computers and the Law: (Cont'd)
- b. HOFFMAN, PAUL S. Contracts for Computers--The Economic Considerations, p. 39-40.
  - c. AWALT, FRANCIS G., JR. The Computer Contract, p. 40-47.
  - d. GRADWOHL, JOHN M. (ed.) Uses in Legal Practice, p. 48-78.
    - e. HORTY, JOHN F. Use of the Computer in Statutory Research, p. 48-55.
    - f. WILSON, ROBERT A. Case Law Searching by Machine, p. 55-59.
    - g. LAWLOR, REED C. Analysis and Prediction of Judicial Decisions, p. 59-60.
    - h. PAFFENDORF, CARL G. Estate Planning Aids, p. 60-61.
    - i. LONG, RAYMOND J. Law Office Management, p. 61-67.
    - j. HALLORAN, NORBERT A. Court Congestion, p. 67-72.
    - k. FREED, ROY N. Improved Information Processing in the Conduct of Large Trials, p. 72-75.
      - l. WEAVER, JAMES B. Legislative Redistricting, p. 75-77.
    - m. GRADWOHL, JOHN M. Educational Uses, p. 78.
  - n. ALLEN, LAYMAN E. Symbolic Logic--Logic, Language, Law, p. 79-84.
  - o. FREED, ROY N. (ed.) Substantive Law Aspects of Computers, p. 85-119.
    - p. AWALT, FRANCIS G., JR. Corporate Law, p. 85-90.
    - q. JACOBS, MORTON C. Patents, Copyrights, and Trade Secrets, p. 91-93.
    - r. JOY, WILLIAM F. Labor Law, p. 93-97.
    - s. BIGELOW, ROBERT P. Insurance, p. 97-99.
    - t. LEVIN, HARVEY B. Torts, p. 99-102.
    - u. FREED, ROY N. Evidence, p. 102-105.
    - v. HALSTEAD, HARRY M. Taxation, p. 105-108.

1055. BIGELOW, ROBERT P., et al. (eds.) Computers and the Law. (Cont'd)
- w. FREED, ROY N. Administrative Law, p. 108-111.
  - x. COOK, ROBERT N. Real Property, p. 111-116.
  - y. CLARKE, JOHN J. Banking, p. 116-119.
  - z. Glossary, p. 120-135.
  - aa. Selected Bibliography, p. 136-144.
- (BIRCH, ROBERT L. see Ref. 1101 /)
1056. BISCO, R. L. Social Science Data Archives: A Review of Developments. Amer. Polit. Sci. Rev., 60 (Mar. 1966) 93-109.
- (BITZER, DONALD L. & PETER G. BRAUNFELD see Ref. 1417 f)
- (BLOMGREN, G., A. GOODMAN, & L. KELLY see Ref. 1123 h)
1057. BLUNT, CHARLES R., et al. A General Model for Simulating Information Storage and Retrieval Systems. HRB-Singer, Inc., State College, Pa., Apr. 1966, 178 p. Report no. 352.14-R-2. (AD-636 435)
1058. BOAZ, MARTHA T. More than Deliberate Speed. ALA Bull., 60 (Mar. 1966) 286-288.
- (BOGGS, STEPHEN T. see Ref. 1250 aa)
1059. BOHNERT, HERBERT G. & PAUL O. BACKER. Automatic English-To-Logic Translation in a Simplified Model. A Study in the Logic of Grammar. Final report, 1961-1966. IBM, Watson Research Center, Yorktown Heights, N.Y., Mar. 1966, 117 p. AFOSR 66-1727. (AD-637 227)
1060. BORDAZ, J. & V. BORDAZ. Critical Examination of Data Processing in Archaeology, with an Evaluation of a New Inverted Data System. Amer. Antiq., 31 (Apr. 1966) 494-501.
1061. BORENSTINE, ALVIN J. Over 1000 Systems Men Evaluate COBOL. Data Process. Mag., 8 (Aug. 1966) 24-30.
- (BORKOWSKI, R. P., L. N. FINNIE, M. KORNBLAU, D. GRAFSTEIN, & E. HILBORN see Ref. 1354 b)
- (BOWIE, ROBERT M. see Ref. 1163 k)

1062. BRANDHORST, W. T. & P. F. ECKERT. Guide to the Processing, Storage, and Retrieval of Bibliographical Information at the NASA Scientific and Technical Information Facility. Documentation Incorporated, College Park, Md., 1966, 156 p. (NASA CR-62033)
- (BROFFIT, J. D., H. L. MORGAN, & J. V. SODEN see Ref. 1123 i)
- (BROOKS, E. R. see Ref. 1366 h)
- (BROUSE, ALBERT J. see Ref. 1443 h)
1063. BROWN, DWIGHT D. Automation in the Printing Industry. In: Proceedings of the Fifth Annual Southeastern Regional Meeting, Association for Computing Machinery, Florida State University Union, Tallahassee, Fla., June 2, 3, 4, 1966. Southeastern Region, Ass. for Computing Machinery and Florida State Univ. Computing Center, 1966, p. 1-20.
1064. BROWN, EDMUND G. Statement and Recommendations on an Information System. (Transmitted to the California Legislature). Governor's Office, State of California, Sacramento, 21 Feb. 1966, 5 p.
- (BROWN, JAMES E. see Ref. 1354 d)
- (BRYDEN, J. E. see Ref. 1354 bb)
1065. BUCHANAN, J. R. & F. C. HUTTON. Analysis and Automated Handling of Technical Information at the Nuclear Safety Information Center. In: Proceedings of the Fifth Annual Southeastern Regional Meeting, Association for Computing Machinery, Florida State University Union, Tallahassee, Fla., June 2, 3, 4, 1966. Southeastern Region, Ass. for Computing Machinery and Florida State Univ. Computing Center, 1966, p. 161-176.
- (BUEHLER, MARY FRAN see Ref. 1443 s)
1066. BURKE, FRANK G. Automated Techniques in the Manuscript Division. Libr. Congr. Inform. Bull., 25 (14 July 1966) 389-390.
1067. BURNAUGH, H. I. The BOLD User's Manual for Retrieval. System Development Corp., Santa Monica, Calif., 9 Sept. 1966, 27 p. (TM-2306/004/00)
1068. BURNETT, A. D. Problems of Older Material in British Universities and Some Suggested Solutions. Libr. Ass. Rec., 68 (June 1966) 207-212.
- (BUSH, DON see Ref. 1443 t)

1069. Business Automation Showcase. Bus. Automat., 13 (Sept. 1966) 38-58.
1070. Buyers' Guide for the Computer Field: Products and Services for Sale or Rent. Comput. Automat., 15 (June 1966) 26-39, 42-49, 85.  
(CAIRD, HELEN G. see Ref. 1443 z)
1071. CAMILLI, L. F. Technical Unification in a Management Information System. Manage. Account., 47 (Apr. 1966) 3-8.
1072. CAMMACK, FLOYD M. Linguistics and Libraries. Stechert-Hafner Book News, 20 (Feb. 1966) 73-75.  
(CARLSON, WALTER M. see Ref. 1163 j)  
(CARMICHAEL, LEONARD see Ref. 1250 a)
1073. Carnegie Tech, RAND Corporation Each Develop Portable Computer Input-Terminal Device; Carnegie Invention Can Be Plugged into Electric Outlet. Manage. Serv., 3 (Sept.- Oct. 1966) 5.
1074. CARROLL, JOHN M. & Alice E. HACKETT. Catalog Card Sets-- A Microfilm First? Libr. Resour. Tech. Serv., 10 (Summer 1966) 387-392.
1075. CARTER, BRICE, JR. The Combined File Search System: Application to the Retrieval of Scientific and Engineering Information.  
Presented at American Institute of Chemical Engineers, 58th National Meeting, 9 Feb. 1966, Dallas, Tex., 13 p. (Preprint)  
(CARTER, ELTON S. see Ref. 1417 b)
1076. (CARTER, LUTHER J. Systems Approach: Political Interest Rises. Science, 153 (9 Sept. 1966) 1222-1224.
1077. CARTLEDGE, W. J., JR. Program and File Conversion. Datamation, 12 (June 1966) 22-27.
1078. CAS, Purdue Study Information Use. Chem. Eng. News, 44 (12 Sept. 1966) 62.
1079. CAS to Operate Clearinghouse. Chem. Eng. News, 44 (12 Sept. 1966) 62.
1080. CASHMAN, JOHN W. Automation Meets Medicare's Needs. Systems, 7 (Sept. 1966) [5?].

- (CAULFIELD, H. J. see Ref. 1354 n)
1081. CHACKO, GEORGE K. Central Intelligence Retrieval System. In his: Today's Information for Tomorrow's Products, an Operations Research Approach. Thompson Book Co., Washington, D.C., 1966, ch. 6.
1082. CHACKO, GEORGE K. Today's Information for Tomorrow's Products, an Operations Research Approach. Thompson Book Co., Washington, D.C., 1966, 256 p.
1083. CHAKRAVARTY, N. C. Notes on 1. Application of the Principle of 'Depreciation' with Regard to Library Books and Publications. 2. Determination of Permissible Limits of Loss of Reading and Reference Materials from Information Centres/Libraries. IASLIC Bull., 10 (Dec. 1965) 255-260.
1084. CHEMICAL ABSTRACTS SERVICE. Annual Report to the National Science Foundation on Contract NSF C-414-Task I, June 1965 through May 1966. Chemical Abstracts Service, American Chemical Society, Columbus, Ohio, 31 May 1966, 75 p.
1085. CHEMICAL ABSTRACTS SERVICE. Computer-Based Substructure Search System. Chemical Abstracts Service, American Chemical Society, Columbus, Ohio, Mar. 1966.
1086. Chemical Kinetics Information Center. NSRSD News. Reprinted from Tech. News Bull. (NBS), 50 (Sept. 1966)
1087. CHICOREL, MARIETTA. Statistical Ammunition: A Report on a National Conference on Library Statistics. Libr. J., 91 (July 1966) 3363-3364.
- (CHILD, JOSEPH M. see Ref. 1443 11)
1088. CHILDS, JAMES B. Current Bibliographical Control of International Intergovernmental Documents. Libr. Resour. Tech. Serv., 10 (Summer 1966) 319-331.
1089. CHILDS, JAMES B. Current Bibliographies of National Publications: Desirable Points of Additional Stress. Herald Libr. Sci., 5 (Jan. 1966) 19-29.
- (CHILES, WILLIAM R. see Ref. 1443 d)
- (CHRISTENSEN, R. W. & W. R. McKEIRNAN see Ref. 1354 s)

1090. CHRISTIAN, WILLIAM C. VSMF [Visual Search Microfilm Files] Stars in Microfilm Publishing. Systems, 7 (Oct. 1966) 12-15, 42, 46.
1091. CHRISTOPH, T. G. Organization of Systems Work: Review and Preview. Manage. Serv., 3 (May-June 1966) 32-35.
- (CHUTE, ARLEIGH see Ref. 1443 aa)
- (CISLER, WALKER L. see Ref. 1163 a)
1092. CLARE, E. T. Optimum Information Transfer--Engineer to Engineer. In: 1966 IEEE International Convention Record, vol. 14, pt. 11, p. 12-15.
- (CLARKE, JOHN J. see Ref. 1055 y)
1093. CLARKE, ROBERT F. & HAYDEE GARCIA CLARKE. Repeat Photocopying of Journal Articles. Coll. Res. Libr., 27 (Sept. 1966) 389-392.
- (CLAUER, CALVIN K. see Ref. 1354 i)
- (CLAUER, CALVIN K., A. S. NEAL, & R. L. ERDMANN see Ref. 1354 j)
1094. Clearing Half a Million Cheques a Day. Data Process., 3 (Jan. - Feb. 1966) 54-62.
1095. CLEARINGHOUSE FOR FEDERAL SCIENTIFIC AND TECHNICAL INFORMATION. Compendium of Technical Information Services. Preliminary edition. Springfield, Va., June 1966, 63 p. (Office of State Technical Services, STS-103)
1096. Clearinghouse for Periodical Title Word Abbreviations. Spec. Libr., 57 (Oct. 1966) 597-598.
1097. CLIFTON, CHARLES, JR. & PENELOPE ODOM. Similarity Relations Among Certain English Sentence Constructions. American Psychological Ass., Washington, D.C., 1966, 35 p. (Psychological Monographs; General and Applied, vol. 80, no. 5, whole no. 613, 1966).
1098. COBLANS, H. Use of Mechanised Methods in Documentation Work. ASLIB, London, 1966, 90 p.
1099. COCKS, A. & G. SCHUURMANS STEKHOVEN. Telecode and International Telex Address Book [for archives, libraries and similar bodies having a teleprinter system] International Federation of Library Associations, Sevenoaks, Kent, United Kingdom, 1966.

1100. COFFIN, LEWIS C. Reports on Sessions of the American Association of Law Libraries at the 59th Annual Meeting in Los Angeles, Calif., July 3-7, 1966. Libr. Congr. Inform. Bull., 25, Append. II (14 July 1966) 397-400.
- (COHEN, GERALD I. see Ref. 1443 u)
1101. COLE, RALPH I. (ed.) Data/Information Availability. Thompson Book Co., Washington, D.C, 1966, 183 p. (The American University Technology in Management Series, vol. 4. General Editor, Paul W. Howerton) Contents:
- a. WELT, ISAAC D. Biological Data/Information Centers and the Future, p. 3-16.
  - b. KELSEY, F. ELLIS. Storage and Retrieval of Chemical and Biological Data, p. 17-30.
  - c. DEVORE, CHARLES. Data-Retrieval and Growth Possibilities, p. 31-40.
  - d. DRAPER, C. STARK. Relationship Between Availability of Data and Significant Technological Advances, p. 43-54.
  - e. LANIER, HAROLD F. Technical Information in Decision-Making, p. 55-67.
  - f. SIMPSON, G. S., JR. Discussion of Functions of Data/Information Analysis Centers, p. 71-86.
  - g. HOWERTON, PAUL W. Patents: A Valuable Information Source for Research, p. 87-102.
  - h. WINTERFIELD, THOMAS. NODC [National Oceanographic Data Center]: An Experiment in Response to a Need for Scientific Integration, p. 103-111.
  - i. THOMPSON, MORRIS M. Availability and Creative Use of Topographic Data, p. 113-132.
  - j. ABAJIAN, ALBERT N. EPIC-- Economic Progress through International Communication, the United States Government, p. 133-148.
  - k. JOHNSON, AUGUSTUS C. Use of Mathematical and Analytical Techniques in Organizing Data, p. 151- 161.
  - l. BIRCH, ROBERT L. Packaging, Labeling, and Finding Evaluated Technical Data, p. 163-175.



1101. COLE, RALPH I. (ed.) Data/Information Availability. (Cont'd).
- m. THOMPSON, JOHN I. Needs of Industry for Critical and Other Data Derived from Government Contracts, p. 177-183.
1102. COLLINS, J. A. The International Exchange Service. Libr. Resour. Tech. Serv., 10 (Summer 1966) 337-341.
1103. COLNER, BERNARD J. Aerial Photography in Unified Information System. Office of Research and Development, Engineering Systems Div., Bureau of Public Roads, Washington, D.C.; 1966, 19 p.
1104. Columbia University's School of Library Service has been Awarded a \$ 22,000 Grant by the Directorate of Information Sciences ... to Conduct a Study on the Diffusion Patterns of Government Abstracting and Indexing Services. Libr. Congr. Inform. Bull., 25 (28 July 1966) 451.
1105. Commerce Department Sets Up Electronic Information Center. Manage. Serv., 3 (Sept. - Oct. 1966) 10.
1106. Communication Science Center. Battelle Tech. Rev., 15 (Jan. 1966) 17.
1107. Compatibility-- A Challenge to Universal Communications. IEEE Spectrum, 3 (Oct. 1966) 64-81. Contents:
- a. WESTFALL, T. B. Global Cables and Satellite Communication, p. 64-66.
  - b. WINGERT, LOWELL F. Progress in Worldwide Telephone Dialing, p. 67-69.
  - c. LAMBIOTTE, MARC. The CCITT [International Telegraph and Telephone Consultive Committee] and Automatic Worldwide Telephony, p. 70-73.
  - d. FRANKLIN, R. H. Compatibility in World Communications, p. 73-77.
  - e. ENDE, ASHER H. The Role of COMSAT in International Communications, p. 77-79.
  - f. WEINER, JAMES H. U.S. Military Worldwide Communications, p. 80-81.
1108. Computer Characteristics. Bus. Automat., 13 (Sept. 1966) 92-94.

1109. Computer in Your Library? UK Lags Behind on Information Retrieval. Manuf. Chem., 37 (May 1966) 55.
1110. Computer Prepares Crystal Data Compilation. NSRDS News. Reprinted from Tech. News Bull. (NBS), 50 (Aug. 1966)  
(COOK, ROBERT N. see Ref. 1055 x)
1111. Computer Usage Studied. Systems, 7 (Oct. 1966) 10.
1112. Computer Users Groups -- Roster. Comput. Automat., 15 (June 1966) 109.
1113. Computers Ease the Strain. Economist, 219 (28 May 1966) 967-968.
1114. Computers for Typesetting. Data Process. Mag., 8 (Feb. 1966) 37-38, 42.
1115. Computing and Data Processing Newsletter. Comput. Automat., 15 (Jan. 1966-- ) monthly. Contents (Partial): Applications, Automation, Components, Input-Output, Memories, New Products, Software.
1116. Concluding Report on Meetings of the 85th Annual Conference of the American Library Association in New York City, July 10-15, 1966. Libr. Congr. Inform. Bull., 25 (11 Aug. 1966) 497-516.
1117. Conference on the Present Status and Future Prospects of Reference/Information Service, Columbia University. Wilson Libr. Bull., 40 (June 1966) 909.
1118. Congressmen, Government Officials Clash on 'Data Bank' for all Citizens. Manage. Serv., 3 (Sept. - Oct. 1966) 11-12.  
(CONSTANTINE, JOHN M. see Ref. 1354 ee)
1119. Contract for Operational Procedures and Computer Programs for Test. Libr. Congr. Inform. Bull., 25 (24 Feb. 1966) 110.
1120. COONS, STEVEN ANSON. The Uses of Computers in Technology. Sci. Amer., 215 (Sept. 1966) 176-184, 186, 188.  
(COOPER, D. C. see Ref. 1180 g)
1121. Cooperation at the National Level: a Joint Committee Established. Wilson Libr. Bull., 41 (Sept. 1966) 15.

1122. COPYRIGHT OFFICE. 68th Annual Report of Register of Copyrights for Fiscal Year 1965. Copyright Office, Library of Congress, 1966, 27 p.
1123. CORNELL UNIVERSITY. DEPARTMENT OF COMPUTER SCIENCE. Information Storage and Retrieval. Scientific report no. ISR-11 to the National Science Foundation. Gerard Salton, Project Director. Ithaca, N.Y., June 1966, 1 vol. Contents:
- a. SALTON, GERARD. The SMART System-- Retrieval Results and Future Plans, Sec. 1, 9 p.
  - b. LESK, M. E. Operating Instructions for the SMART Text Processing and Document Retrieval System, Sec. 2, 63 p.
  - c. HOCHGESANG, GUY T. SØCCER - A Concordance Program, Sec. 3, 23 p.
  - d. SALTON, GERARD & M. E. LESK. Information Analysis and Dictionary Construction, Sec. 4, 71 p.
  - e. LESK, M. E. & GERARD SALTON. Design Criteria for Automatic Information Systems, Sec. 5, 38 p.
  - f. RIDDLE, W., T. HORWITZ, & R. DIETZ. Relevance Feedback in an Information Retrieval System, Sec. 6, 71 p.
  - g. LESSER, V. R. A Modified Two-Level Search Algorithm Using Request Clustering, Sec. 7, 47 p.
  - h. BLOMGREN, G., A. GOODMAN, & L. KELLY. An Experimental Investigation of Automatic Hierarchy Generation, Sec. 8, 25 p.
  - i. BROFFITT, J. D., H. L. MORGAN, & J. V. SOLEN. On Some Clustering Techniques for Information Retrieval, Sec. 9, 15 p.
  - j. LESK, M. E. Design Consideration for Time Shared Automatic Documentation Centers, Sec. 10, 18 p.
1124. CORNOG, JUNE ROBERTS & HERBERT L. BRYAN, JR. Search Methods Used with Transistor Patent Applications. IEEE Spectrum, 3 (Feb. 1966) 116-121.
1125. COTTRELL, NORMAN E. American Society for Metals Information Systems Service.  
Presented at Royal Society Conference of Editors, 11 Feb. 1966, London, 6 p. (Preprint)

1126. COTTRELL, NORMAN E. How Do You Actually Start an Information System?  
Presented at American Society of Tool & Manufacturing Engineers  
Seminar, 5-6 Oct. 1966, 6 p. (Preprint)
1127. COTTRELL, NORMAN E. Information Retrieval Systems and Mechanical  
Engineering Data. ASME Paper 66-MD-79 for the Design Engineering  
Conference, 9-12 May 1966, 4 p.
1128. COTTRELL, NORMAN E. Retrieval of Engineering Information. 1966, 8 p.  
(Preprint) To be pub. in: Handbook of Engineering Science.  
D. Van Nostrand Co., New York, Feb. 1967.
- (COTTRELL, NORMAN E. see also Ref. 1163 l)
- (COTTRELL, NORMAN E. & CAROLYN M. FLANAGAN see Ref. 1163 1)
1129. COUNCIL ON LIBRARY RESOURCES, INC. Recent Developments. Washington,  
D.C., 1966. Release no.:
- 198, 2 Aug. Joint Committee on Union List of Serials to Study  
Usefulness of New Serial Titles.
- 199, 15 Aug. Baltimore County Public Library to Study Cost and  
Service Aspects of Book and Card Catalogs.
- 200, 22 Aug. "Microfilm Norms", Quality Standards for Library Use,  
Published by American Library Association.
- 201, 12 Sept. Grant Made for Compilation of Cases in Library  
Management for Use in Teaching.
- 202, 12 Sept. Manual on Processes for Reproducing Research Materials  
Due September 26.
- 203, 17 Oct. Graduate Library School to Study Potential Solutions  
to the Problem of Deteriorating Paper.
- 204, 20 Oct. American Library Association, National League of Cities  
Sponsoring Study to Correct Abuses in Book Purchasing.
1130. Countway Library of Medicine to be MEDLARS Search Center. Libr. J.,  
91 (1 June 1966) 2793.
- (COWLEN, D. G. & A. D. JOHNSON see Ref. 1354 t)

1131. COX, HENRY BARTHOLOMEW. Impact of the Proposed Copyright Law upon Scholars and Custodians. Amer. Archiv., 29 (Apr. 1966) 217-227.
1132. COYAUD, MAURICE. Introduction à l'Étude des Langues Documentaires (Linguistic & Philological Series, no. 12) [Introduction to the Study of Computer Languages, developed with the French Assn. for Machine Translation & Applied Linguistics] Univ. of Alabama Press, Tuscaloosa, 1966, 148 p.  
(CREMER, M. see Ref. 1250 ')
1133. CRT Displays. Inform. Display, 3 (Jan./Feb. 1966) 68.
1134. CRT to Hard Copy. Inform. Display, 3 (Jan./Feb. 1966) 68.  
(CULLER, GLENN J. & BURTON D. FRIED see Ref. 1417 e)
1135. CURRAN, ANN T. The Mechanization of the Serial Records for the Moving and Merging of the Boston Medical and Harvard Medical Serials. Libr. Resour. Tech. Serv., 10 (Summer 1966) 362-372.
1136. CURTICE, ROBERT MORRIS. Magnetic Tape and Disc File Organizations for Retrieval. (Experimental retrieval systems studies. Report no. 1) July 1966, 44 p. Thesis (M.S.)--Lehigh Univ.
1137. DALTON, PHYLLIS I. Special Libraries and State-Wide Plans for Library Service. Spec. Libr., 57 (Oct. 1966) 589-591.  
(DAMON, PHILLIP P. see Ref. 1354 o)
1138. DANTZIG, GEORGE B. & GARY H. REYNOLDS. Optimal Assignment of Computer Storage by Chain Decomposition of Partially Ordered Sets. Research report no. ORC-66-6. Operations Research Center, Univ. of Calif., Berkeley, Mar. 1966, 13 p. (AD-631 839)  
(DARLEY, JOHN G. see Ref. 1250 bb)
1139. DARLING, LOUISE. New Developments in the Biomedical Library: MEDLARS at UCLA. UCLA Med. (June 1966)
1140. Data Collection May be the Missing Link in Production and Inventory Control. Systems, 7 (Oct. 1966) 19-20, 22, 29.
1141. Data Display Equipment. Bus. Automat., 13 (Sept. 1966) 86-91.

1142. Data Gathering and Transmission Equipment. Bus. Automat., 13  
(Sept. 1966) 72-85.
1143. Data Processing Topics-- Comments on New Equipment and Applications.  
Data Process., 8 (Jan./Feb. 1966--) Bimonthly.  
(DAUGHTRY, JAMES F., III see Ref. 1366 a)
1144. DAVENPORT, WILLIAM P. Efficiency and Error Control in Data Communica-  
tions; Parts 1 & 2. Data Process. Mag., 8 (Aug. 1966) 34-40;  
(Sept. 1966) 30-35.  
(DAVIS, A. L. see Ref. 1032 aa)  
(DAVIS, ROBERT H. see Ref. 1032 b)  
(De BAUN, R. M. see Ref. 1032 q)  
(DEININGER, RICHARD L. see Ref. 1354 e)
1145. DEISHER, RICHARD M. Auerbach on Equipment: The Honeywell Series 200.  
Data Process. Mag., 8 (Sept. 1966) 46-50, 52.
1146. De PARIS, JOE. Optical Scanning Systems for Mark Reading. Data Process.  
Mag., 8 (Sept. 1966) 38-39.
1147. Describing Men to Machines. Bus. Week, 1918 (4 June 1966) 113-114.  
(De TROISMONTS, ROBERTO COULTRE see Ref. 1250 g)
1148. DEUTSCH, K. W. On Theories, Taxonomies, and Models as Communication  
Codes for Organizing Information. Behav. Sci., 11 (Jan. 1966) 1-17.  
(DEUTSCH, KARL W. see Ref. 1250 ee)  
(DEUTSCH, SIL see Ref. 1354 w)
1149. Device May Help Blind to 'Speed-Hear' Recordings. IEEE Spectrum, 3  
(Feb. 1966) 154.  
(DEVOE, DONALD B. see Ref. 1354 m)  
(DEVORE, CHARLES see Ref. 1101 c)

1150. DEXTER, LEWIS ANTHONY. On Book Reviewing-- and Similar Pedestrian Activities. Amer. Behav. Sci., 9 (Dec. 1965 - Jan. 1966) 7-9.  
(DIETRICHSON, PETER W. K. see Ref. 1443 111)
1151. DILLON, GREGORY M. How Much Protection for Magnetically Recorded Data? Syst. Proced. J., 17 (Sept.- Oct. 1966) 30-33.  
(DINNEEN, DAVID A. see Ref. 1220 f)
1152. Directory of Data Processing Service Centers. Systems, 7 (Aug. 1966) 11-14, 16-19.
1153. DOUGHTY, K. A. New National Central Library and L.A. Headquarters Building. Libr. World, 67 (Feb. 1966) 228-232.  
(DOWNING, CARLTON B. see Ref. 1443 oo)  
(DRAPER, C. STARK see Ref. 1101 d)
1154. DROZD, K. W. Inventory of Library Research. Part 1: Activities of [IATUL] Member Libraries. IATUL Proc., 1 (Mar. 1966) 27-32.
1155. DUDA, R. O. Training a Linear Machine on Mislabeled Patterns. Stanford Research Institute, Menlo Park, Calif., Apr. 1966, 115 p (AD-634 484)
1156. DUNKLE, WILLIAM M. Suggested Methods of Compiling and Indexing Scientific Observations for Cruise Navigation Reports. Woods Hole Oceanographic Institution, Mass., Apr. 1966, 19 p. Report no. WHOI-Ref-66-20 (AD-637 130)  
(DUNN, EDGAR S., JR. see Ref. 1250 ff)
1157. DUNN, O. C., W. F. SEIBERT, & JANICE A. SCHEUNEMAN. The Past and Likely Future of 58 Research Libraries, 1951-1980: A Statistical Study of Growth and Change. University Libraries and Audio Visual Center, Purdue Univ., Lafayette, Ind., 1965, 82 p.  
(DUTTA, S. see Ref. 1271 n)
1158. EATWELL, R. I. & S. TEAQUE. Survey of Prices for Photoreproduction. IATUL Proc., 1 (Mar. 1966) 24-26.
1159. EBERSOLE, J. L. An Operating Model of a National Information System. Amer. Doc., 17 (Jan. 1966) 33-40.

- (EDMUNDSON, H. P. & DAVID G. HAYS see Ref. 1220 1)
1160. EIDSON, BERNICE T., SAMUEL H. BROOKS, & ROCCO L. MOTTO. A Generalized Psychiatric Information-Processing System. Behav. Sci., 11 (Mar. 1966) 133-142.
- (ELDREDGE, ROBERT P. see Ref. 1443 JJ)
1161. ELLIS, T. O. & W. L. SIBLEY. On the Development of Equitable Graphic I/O. RAND Corp., Santa Monica, Calif., July 1966, 12 p. Report no. P-3415. (AD-637 781)
- (ENDE, ASHER H. see Ref. 1107 e)
- (ENGEL, JAN & ARTHUR M. ELDRIDGE, JR. see Ref. 1354 p)
1162. ENGINEERS JOINT COUNCIL. Proposed United Engineering Information System--Its Services, Logical Elements, and Network Concept. New York, Feb. 1966.
1163. ENGINEERS JOINT COUNCIL. Second National Symposium on Engineering Information, New York, 27 Oct. 1965. Theme: A Coordinated Information System. Engineers Joint Council, New York, Mar. 1966, 55 p. Contents:
- a. CISLER, WALKER L. Introduction, p. 1.
  - b. ADKINSON, BURTON W. Framework for an Engineering Information System (Keynote Address) p. 3-4.
  - c. KNOX, WILLIAM T. Planning for National Information Networks, p. 5-8.
  - d. HARRIS, WILLIAM J., JR. Concepts of a National Engineering Information System, p. 9-12.
  - e. RUBINOFF, MORRIS. A Look Ahead, p. 13-15.
  - f. HOLM, BART E. Source Indexing and Vocabulary Control, p. 16-24.
  - g. JACKSON, EUGENE B. The Library -- An Ancient Link in a Modern Information Chain, p. 25-28.
  - h. LICKLIDER, J. C. R. The On-Line Intellectual Community, p. 29-36.



1163. ENGINEERS JOINT COUNCIL. Second National Symposium on Engineering Information, New York, 27 Oct. 1965. (Continued)
- i. COTTRELL, NORMAN E. & CAROLYN M. FLANAGAN. Pilot Studies and System Component Evaluation, p. 37-42.
  - j. CARLSON, WALTER M. Structure and Economics, p. 43-47.
  - k. BOWIE, ROBERT M. (Moderator) Speakers Panel and Discussion, p. 48-54.
  - l. COTTRELL, NORMAN E. Summation and Conclusions, p. 55.
  - m. Appendix-- Attendance List, p. vii.
1164. ENNIS, PHILIP H. & FREDERICK A. SCHLIPF. Copying and Duplicating Practices in American Education. National Opinion Research Center, Apr. 1966, 1 vol. (Report no. 115)
1165. EVANS, DAVID C. Computer Logic and Memory. Sci. Amer., 215 (Sept. 1966) 74-85.
1166. EVANS, RENÉE C. (comp.) Tutorial Glossary of Documentation Terms. Compiled for the 29th Annual Meeting of the American Documentation Institute, October 3-7, 1966, Santa Monica, Calif. American Documentation Institute [Washington, D.C.] 1966, 78 p.
1167. EYMAN, ELEANOR G., CHARLES C. FRIDLIN, S. BRUCE OLSON, SAMUEL M. BAKER, JR., & ASA B. PIERATT. Periodicals Automation at Miami-Dade Junior College. Libr. Resour. Tech. Serv., 10 (Summer 1966) 341-361.
1168. EYSSSEN, JURGEN. Berufsstand am Scheideweg [The Library Profession at the Cross-roads]. Büch. Bild., 18 (May 1966) 249-250.
1169. Facsimile Equipment. Bus. Automat., 13 (Sept. 1966) 110-113.
1170. FALTZ, E. ROBERT. The Paperless Office. Systems, 7 (May 1966) 26, 28.  
(FANO, ROBERT M. see Ref. 1417 h)
1171. FANO, ROBERT M. & F. J. CORBATÓ. Time-Sharing Computers. Sci. Amer., 128-136, 138, 140.

1172. FARINA, MARIO V. Training for Conversion. Datamation, 12 (June 1966) 27-29.
1173. FARRADANE, J. E. L. Information Staff. Aslib Proc., 18 (Jan. 1966) 20-22.
1174. FAULKER, OLIVIA. Descriptive Cataloging at the Library of Congress. Illinois Libr., 48 (Mar. 1966) 191-198.
1175. FEDER, JEROME. The Linguistic Approach to Pattern Analysis: A Literature Survey. Lab. for Electrosience Research, New York Univ., N.Y., Feb. 1966, 48 p. (Tech. Report no. TR-400-133) AFOSR 66-1802 (AD-637 497)
- (FEDERATION INTERNATIONALE DE DOCUMENTATION see Refs. 1250 & 1251)
1176. FREEMAN, JAMES F. A Novel Organizational Code for Organic Structures Based on Functional Groups. J. Chem. Doc., 6 (Aug. 1966) 184-187.
- (FISKIN, A. M. I. see Ref. 1443 a)
1177. FITE, HARRY H. The Computer Challenge to Urban Planners and State Administrators. Spartan Books, Washington and New York; Macmillan, London, 1965, 142 p. (The American University Technology of Management Series, vol. 2. Paul W. Howerton, General Editor).
1178. FOGEL, EPHIM G. The Humanist and the Computer: Vision and Actuality. Amer. Behav. Sci., 9 (Dec. 1965 - Jan. 1966) 37-40.
- (FOSTER, J. M. see Ref. 1180 d)
1179. Four Major Grants to Lehigh for Information Science Research. Libr. J., 91 (1 Jan. 1966) 75.
1180. FOX, L. (ed.) Advances in Programming and Non-Numerical Computation. 1st edition. Symposium Publications Div., Pergamon Press, Oxford, New York, etc., 1966, 218 p. Contents:
- a. GILL, S. Introduction to Automatic Computing, p. 3-27.
  - b. WOODWARD, P. M. List Programming, p. 29-48.
  - c. BARRON, D. W. & C. STRACHEY. Programming, p. 49-82.
  - d. FOSTER, J. M. Artificial Languages, p. 83-96.

1180. FOX, L. (ed.) Advances in Programming and Non-Numerical Computation.  
(Continued)

- e. LANDIN, P. J. A  $\lambda$ -Calculus Approach, p. 97-141.
- f. GILL, S. A Survey of Non-Numerical Applications, p. 145-154.
- g. COOPER, D. C. Theorem-proving in Computers, p. 155-182.
- h. MICHIE, D. Game-playing and Game-learning Automata, p. 183-196;  
Appendix: Rules of SOMAC, by John Maynard Smith, p. 196-200.
- i. NEEDHAM, R. M. Information Retrieval and Some Cognate Computing  
Problems, p. 201-218.

(FRANKLIN, R. H. see Ref. 1107 d)

(FREED, ROY N. see Refs. 1055 k, o, u, & w.)

(FRY, BERNARD M. see Ref. 1443 bbb)

1181. FUGMAN, R. Der Weg in die Sackgasse bei der Mechanischen Dokumentation.  
Nach. Dok., 17 (June 1966) 79-83.

(FURTH, STEPHEN E. see Ref. 1032 v)

(FURTH, STEPHEN E. & PAUL S. HOFFMAN see Ref. 1055 a)

1182. GARDIN, JEAN-CLAUDE. Elements d'un Modele pour la Description des  
Lexiques Documentaires. Bull. Bibl. Fr., 11 (May 1966) 171-182.

(GARRISON, WILLIAM L. see Ref. 1361 a)

1183. GARVEY, JAMES EMMETT (ed.) Self-Organizing Systems 1963. Office of  
Naval Research, Dept. of the Navy, Washington, D.C., 1966, 78 p.  
(ACR-96)

- a. LEWIS, E. R. The Ionic Hypothesis and Neuron Models, p. 1-18.
- b. STEWART, R. M. Fields and Waves in Excitable Cellular  
Structures, p. 19-36.
- c. STAFFORD, R. A. Multi-Layer Learning Networks, p. 37-45.
- d. SPILKER, J. J., JR. Adaptive Detection of Unknown Binary  
Waveforms, p. 46-51.

1183. GARVEY, JAMES EMMETT (ed.) (Continued)
- e. KLEYN, P. A. Conceptual Design of Self-Organizing Machines, p. 52-64.
  - f. SCIBOR- MARCHOCKI, R. I. A Topological Foundation for Self-Organization, p. 65-70.
  - g. HENDRIX, C. E. On Functional Neuron Modeling, p. 71-75.
  - h. OVERTON, R. K. Selection of Parameters for Neural Net Simulations, p. 76.
1184. GELLATLY, PETER. Engineers, Automation, and the Future. Spec. Libr., (Sept. 1966) 519-520.
1185. GENZEL, PETER. Die Zusammenarbeit der Bibliotheken bei der Literaturerwerbung. [The Participation of Libraries in Acquisition] Zentralh. Bibl., 80 (June 1966) 321-335.
1186. GERRARD, S. A. & D. F. LYLE. Handling Industrial (Scientific and Technical) Confidential Report Material. Aslib Proc., 18 (Aug. 1966) 206-217.
1187. GILCHRIST, ALAN. Documentation of Documentation. Aslib Proc., 18 (Mar. 1966) 62-80.
- (GILL, S. see Refs. 1180 a & f)
1188. GINSBERG, ROSE, et al. A Review of Efforts to Organize Information about Human Learning, Transfer, and Retention. Final Report, July- Nov. 1965. San Jose State College, San Jose, Calif., Mar. 1966, 42 p. (AD-635 491)
- (GIRSHBERG, YU V., A. M. DUBITSKAYA, N. S. KOLCHINSKAYA see Ref. 1266)
- (GLASER, EZRA see Ref. 1366 f)
1189. GOFFMAN, WILLIAM & VAUN A. NEWILL. A Methodology for Test and Evaluation of Information Systems. Inform. Stor. Retr., 3 (Aug. 1966) 19-25.
- (GOIL, N. K. see Ref. 1271 o)
1190. GOLD, BERNARD. Word-Recognition Computer Program. Research Lab. of Electronics, Massachusetts Institute of Technology, Cambridge, Mass., 15 June 1966, 27 p. Report no. TR-452. (AD-634 304)

1191. GOLD, M. M. & A. C. STEDRY. An Evaluation of Commercial Time - Sharing Systems. Graduate School of Industrial Administration, Carnegie Institute of Technology, Pittsburgh, Pa., 1966, 60 p. (Management Sciences Research Report no. MSRR-71) (AD-634 325)
- (GOODMAN, ARNOLD see Ref. 1365 b)
- (GORN, SAUL see Ref. 1220 b)
- (GOSNELL, CHARLES F. see Ref. 1228 d)
1192. GOUDSMIT, SAMUEL A. Is the Literature Worth Retrieving? Physics Today, 19 (Sept. 1966) 52-55.
1193. GOVIG, MELVIN E. The Smell of Acetate at the Johns Hopkins Hospital. Nat. Micro- News, 81 (Apr. 1966) 217-224.
- (GRADWOHL, JOHN M. see Refs. 1055 d & m)
1194. GRAF, GEORG. Das Internationale Patentinstitut (Institut International des Brevets) in Den Haag. Nach. Dok., 17 (June 1966) 61-63.
1195. GRANT, E. E. & H. SACKMAN. An Exploratory Investigation of Programmer Performance Under On-Line and Off-Line Conditions. System Development Corp., Santa Monica, Calif., 2 Sept. 1966, 36 p. (SP-2581)
1196. GRAVES, PATRICIA A., DAVID G. HAYS, MARTIN KAY, & THEODORE W. ZIEHE. Computer Routines to Read Natural Text with Complex Formats. RAND Corp., Santa Monica, Calif., Aug. 1966, 141 p. (Report no. RM-4920-PR) (AD-637 303)
1197. GREENBERGER, MARTIN. The Uses of Computers in Organizations. Sci. Amer., 215 (Sept. 1966) 192-196, 199-200.
- (GREYER, WALTER F. see Ref. 1354 h)
1198. GRIGOR'YEV, V. I. Problems of Interlinguistics, USSR. 6 Apr. 1966, 18 p. (JPRS-34909) Order from CFSTI or ETC as TT-66-31347. Trans. of: Vop. Yazykoz. (USSR) no. 1 (Jan.-Feb. 1966) 37-46.
1199. GRINUS, LEO L. Why, What, How of the Engineer's Files. Electron. Ind., 25 (Apr. 1966) 138-141.
1200. GROESBECK, JOSEPH. United Nations Documents and Their Accessibility. Libr. Resour. Tech. Serv., 10 (Summer 1966) 313-318.

1201. GRONER, GABRIEL F. Real-Time Recognition of Handprinted Text. RAND Corp., Santa Monica, Calif., Oct. 1966, 48 p. (RM-5016-ARPA)
1202. GROOS, OLE V. Less-Used Titles and Volumes of Science Journals: Two Preliminary Notes. Libr. Resour. Tech. Serv., 10 (Summer 1966) 289-290.
1203. GRUNWALD, ARNOLD P. A Braille-Reading Machine. Science, 154 (7 Oct. 1966) 144-146.
1204. GUFFEY, GEORGE. Hinman Collator Acquired by the Clark Library. UCLA Libr., 19 (Oct. 1966) 90-91.  
  
(GUPTA, R. C. see Ref. 1271 aa)
1205. GURNEY, GENE. The Library of Congress. A Picture Story of the World's Largest Library. Crown, New York, 1966, 128 p.  
  
(HALLORAN, NORBERT A. see Ref. 1055 j)  
  
(HALSTEAD, HARRY M. see Ref. 1055 v)
1206. HAMADA, SHIGENORI. Scientific and Technical Information Activities in Japan.  
Presented at 11th Pacific Science Congress. Divisional Meeting; Science Information, 31 Aug. 1966, 5 p. (preprint)
1207. HAMER, ELIZABETH E. The Extraordinary Congress of the International Council on Archives Held in the International Conference Room, U.S. Department of State, Washington, D.C., May 9-14, 1966. Libr. Congr. Inform. Bull., 25, Appendix (26 May 1966) 267-275.
1208. HAMER, ELIZABETH E. Report on the Sixty-Seventh Meeting of the Association of Research Libraries, held in Chicago, Ill., on January 23, 1966. Libr. Congr. Inform. Bull., 25 (Feb. 1966) Appendix I, 8 p.
1209. HAMERTON, DOROTHY. Special Libraries. Books, no. 364, (Mar. - Apr. 1966) 42-45.
1210. HAMMER, CARL. Critical Evaluation of Software Packages. Comput. Automat., 15 (Aug. 1966) 20-21.  
  
(HANKINS, EVELYN L. see Ref. 1443 tt)
1211. HANNAFORD, R. Computers at Law. New Sci., 31 (14 July 1966) 75-76.

1212. HARMON, GEORGE H. Microfilm System Expands to Speed Manufacturing Systems, 7 (Oct. 1966) 16-18, 46.  
(HARRIS, BERNARD see Ref. 1032 j)  
(HARRIS, WILLIAM J., JR. see Ref. 1163 d)
1213. HARRISON, JAMES L. Electronic Composing System: A Guide for Its Utilization. U.S. Government Printing Office, Washington, D.C., 1966, 23 p.
1214. HARSH, M. D. Multi-Sensor Displays--Two Approaches. Inform. Display, 3 (Sept./Oct. 1966) 24-33.  
(HATFIELD, JACK J. see Ref. 1354 y)  
(HATTERY, LOWELL H. see Ref. 1032 w)
1215. HAVLIK, ROBERT J. Government and Libraries. Spec. Libr., 57 (Sept. 1966) 518.
1216. HAWKEN, WILLIAM R. Copying Methods Manual. Library Technology Program, American Library Ass., Chicago, 20 Sept. 1966, 375 p.
1217. HAWKEN, WILLIAM R. Readex Model D Reader. Library Technology Report. American Library Ass., Chicago, Mar. 1966, 6 p.
1218. HAYES, ROBERT M. The Research Program of the University of California's ... Institute of Library Research. Libr. J., 91 (1 Oct. 1966) 4579-4585.
1219. HAYS, DAVID G. & MARJORIE L. RAPP. Annotated Bibliography of RAND Publications in Computational Linguistics. RAND Corp., Santa Monica, Calif., Apr. 1966, 29 p. (RM-3894-2)
1220. HAYS, DAVID G. (ed.) Readings in Automatic Language Processing. American Elsevier Pub. Co., New York, 1966, 202 p. Contents:  
a. HAYS, DAVID G. Introduction, p. 1-7.  
b. GORN, SAUL. Specification Languages for Mechanical Languages and their Processors-- A Baker's Dozen, p. 9-32.  
c. KAY, MARTIN & THEODORE W. ZIEHE. Natural Language in Computer Form, p. 33-49.

## 1220. Hays, David G. (ed.) (Continued)

- d. LAMB, SYDNEY M. & WILLIAM H. JACOBSEN, JR. A High-Speed Large-Capacity Dictionary System, p. 51-72.
- e. HAYS, DAVID G. Parsing, p. 73-82.
- f. KUNO, SUSUMU. The Predictive Analyzer and a Path Elimination Technique, p. 83-106.
- g. HAYS, DAVID G. Connectability Calculations, Syntactic Functions, and Russian Syntax, p. 107-125.
- h. DINNEEN, DAVID A. The Grammar of Specifiers, p. 127-136.
- i. EDMUNDSON, H. P. & DAVID G. HAYS. Research Methodology for Machine Translation, p. 137-147.
- j. LAMB, SYDNEY M. On the Mechanization of Syntactic Analysis, p. 149-157.
- k. LUHN, H. P. Keyword-in-Context Index for Technical Literature, (KWIC Index) p. 159-167.
- l. SALTON, GERARD. Automatic Phrase Matching, p. 169-188.
- m. YNGVE, VICTOR H. A Framework for Syntactic Translation, p. 189-198.

(HECHTMAN, HAROLD see Ref. 1443 ddd)

(HEDGE, WILLIAM C. see Ref. 1032 n)

(HEILPRIN, LAURENCE B. see Ref. 1250 b)

1221. HEISER, ROBERT C. & DONALD J. HILLMAN. A Formal Theory of Conceptual Affiliation for Document Reconstruction. Report no. 1: The Affiliation-Value Model. Center for the Information Sciences, Lehigh Univ., Bethlehem, Pa., 22 Aug. 1966, 27 p. Grant no. AF-AFORS-1028-66.

(HEMPHILL, JOHN K. see Ref. 1250 cc)

(HEMPLING, NORMAN W. see Ref. 1443 bb)

1222. HENDERSON, MADELINE B. Symposium on Problems of Small Information Groups--Introductory Remarks. J. Chem. Doc., 6 (Aug. 1966) 143.



(HENDRIX, C. E. see Ref. 1183 g)

(HENRIQUES, VICO E. see Ref. 1032 d)

1223. HEPWORTH, JOHN B. Communications and Library Management. Libr. World, 67 (May 1966) 324-329.
1224. HERNER, S., et al. A Recommended Design for the United States Medical Library and Information System. Prepared for Herner & Co., Washington, D.C., July 1966, 2 vols. Contents: Vol. 1. System Design, Implementation, and Costs (PB-172 923/TZZ).-- Vol. 2. Background Studies (PB-172 924/WZZ)
1225. HIRSON, DAVID W. & J. RICHARD BLANCHARD. Seven League Boots for the Scholar? Problems and Prospects of Library Telefacsimile. Libr. J., 91 (Aug. 1966) 3601-3605.
- (HICKS, TYLER G. see Ref. 1443 eee)
1226. HEUMANN, KARL F. Symposium on Error Control in the Chemical Literature-- Introductory Remarks. J. Chem. Doc., 6 (Aug. 1966) 125.
1227. HIEBER, CAROLINE E. An Analysis of Questions and Answers in Libraries. Center for the Information Sciences, Lehigh Univ., Bethlehem, Pa., June 1966, 48 p. (Studies in the Man-System Interface in Libraries. Report no. 1) M.S. Thesis. (AD-635 020)
1228. The Higher Education Act of 1965: A Symposium. Coll. Res. Libr., 27 (Sept. 1966) 335-353. Contents:
- a. KRETTEK, GERMAINE. The Higher Education Act of 1965: Background, Provisions, Administration, p. 335-336.
  - b. MOORE, EVERETT T. The Promise for Reference Librarians, p. 337-340.
  - c. WELCH, HELEN M. Implications for Resources and Technical Services, p. 340-345.
  - d. GOSNELL, CHARLES F. From the Point of View of Library Administration, p. 345-347.
  - e. TAUBER, MAURICE F. Guidelines for the Preparation of Grant Requests and Implications for Library Education and ALA Divisions, p. 347-353.

1229. HILKER, HELEN-ANNE. Reports on the 11th Seminar on the Acquisition of Latin American Library Materials and on Pre-Conference Meetings of the American Library Association. Libr. Congr. Inform. Bull., 25 Appendix III (14 July 1966) 401-410.
1230. HILL, RICHARD H. Contracting for Software. Data Process. Mag., 8 (Mar. 1966) 24-26, 28.
1231. HILLEGASS, JOHN R. Auerbach on Equipment: IBM System/360--the First Two Years. Data Process. Mag., 8 (May 1966) 44-46, 48-51.
1232. HILLEGASS, JOHN R. Auerbach on Equipment: The New UNIVAC 9000 Series. Data Process. Mag., 8 (Aug. 1966) 52-57.
- (HILLEGASS, JOHN R. & ALAN E. TAYLOR see Ref. 1032 f)
- (HILLMAN, BEVERLY M. see Ref. 1354 f)
- (HILTON, ALICE MARY see Ref. 1032 a)
1233. HINDSON, R. The Dissemination of Published Information to Executives, Scientists and Technologists. Libr. Ass. Rec., 68 (June 1966) 220-222, 226.
- (HIRD, EDWIN A. see Ref. 1443 n)
1234. HOBBS, L. S. Impact of Hardware in the 1970's. Datamation, 12 (Mar. 1966) 36-39, 41-42, 44.
- (HOCHGESANG, GUY T. see Ref. 1123 c)
1235. HOCKETT, C. F. The Quantification of Functional Load: A Linguistic Problem. RAND Corp., Santa Monica, Calif., Oct. 1966, 26 p. (RM-5168-PR)
- (HOFFMAN, PAUL S. see Ref. 1055 b)
- (HOLM, BART E. see Ref. 1163 f)
- (HOLMES, JACK T. see Ref. 1443 kkk)
1236. HOLZER, JOSEPH E. A System of Program Documentation. Syst. Proced. J., 17 (Sept.- Oct. 1966) 15-17.
1237. HOPPENFELD, ELLIAS C. Law Research Service/Inc. M.U.L.L., (Mar. 1966) 46-52.

1238. HORMANN, AIKO. A New Task Environment for Gaku Teamed with a Man. System Development Corp., Santa Monica, Calif., 27 May 1966, 26 p. (TM-2311/003/00)
1239. HORN, JACK. Computer and Data Processing Dictionary and Guide. Prentice-Hall, Englewood Cliffs, N.J., 1966, 200 p.
1240. HORNING, DONALD F. Communications and Civilization. IEEE Spectrum, 3 (May 1966) 43-45.  
(HORTY, JOHN F. see Ref. 1055 e)
1241. Hospital Data Gathering Device Now Offered for Industrial Use. Manage. Serv., 3 (Sept.-Oct. 1966) 11.
1242. HOULDIN, RUSSELL J. IBM's Graphic Display System. Inform. Display, 3 (Sept./Oct. 1966) 39-40.
1243. HOWARD, PAUL. The National Conference on Library Statistics ... Chicago, June 6-8. Libr. Congr. Inform. Bull., 25 (16 June 1966) 311-312.
1244. HOWARD RESEARCH CORPORATION, Arlington, Va. EDIS [Engineering Data Information System] Task Report. Work Unit:  
1.2 Categorization of Available Data and Information, 3 Jan. 1966, 592 p. (AD-634 321)  
1.3 Identification of User Needs, 3 Jan. 1966, 125 p. (AD-634 322)  
1.4 Identification of Disciplines and Fields, 3 Jan. 1966, 125 p. (AD-634 323)  
1.9 Categorization of Existent Data Systems, 30 Jan. 1966, 365 p. (AD-634 324)  
(HOWERTON, PAUL W. see Ref. 1101 g)  
(HUBELBANK, SHERMAN H. see Ref. 1443 f)
1245. HUMPHREYS, K. W. National Library Functions. UNESCO Bull. Libr., 20 (July - Aug. 1966) 158-169.
1246. HYDE, E. A Computer in Your Library? UK Lags Behind on Information Retrieval. Manuf. Chem. Aerosol News, 37 (May 1966) 55.

1247. IBERALL, A. S. Information Science: Outline, Assessment, Inter-disciplinary Discussion. Report for June 1965 - June 1966. General Technical Services Inc., Yeadon, Pa., June 1966, 91 p. (AD-635 809)
1248. Information Center Forum. Battelle Tech. Rev., 15 (Jan. 1966) 19-20.
1249. Instant Information for the Investor. Data Process., 8 (May - June 1966) 164-175.
1250. INTERNATIONAL FEDERATION FOR DOCUMENTATION. Proceedings of the 1965 Congress; 31st Meeting and Congress, Washington, D.C., October 7-16, 1965. In cooperation with the American Documentation Institute (ADI Proceedings, vol. 2). Spartan Books, Washington, and Macmillan, London, 1966, 264 p. Contents:
- a. CARMICHAEL, LEONARD B. Welcoming Address, p. 1-2.
  - b. HEILPRIN, LAURENCE B. Welcome from the American Documentation Institute, p. 3.
  - c. AUGER, PIERRE. Scientific Information Needs of Society, p. 5-9.
  - d. MAJEWSKI, ZYGMUNT. Trends in the Training of Documentalists in Countries of Eastern Europe, p. 13-15.
  - e. MOHAJIR, A. R. Education and Training of Documentalists, p. 17-25.
  - f. SHERA, JESSE H. The Present State of Education and Training in Documentation, Information Science, and Special Librarianship, p. 27-37.
  - g. DE TROISMONTS, ROBERTO COUTURE. Training of Documentalists in South America, p. 39-40.
  - h. TELL, BJÖRN V. A Swedish Course in Scientific Information Transfer and Retrieval, p. 41-47.
  - i. ROTHSTEIN, SAMUEL. The Education and Training of Documentalists in Canada, p. 49-52.
  - j. PCINDRON, PAUL. La Formation des Documentalistes en France, p. 53-54.
  - k. KOTANI, MASAO & YOSOJI ITO. The Present State of Education and Training for Documentation in Japan and Some Future Problems, p. 55-60.

1250. INTERNATIONAL FEDERATION FOR DOCUMENTATION. Proceedings of the 1965 Congress. (Continued)
- l. CREMER, M. Integrated Training Policy for Documentalists on a National Level: New Trends in the Federal Republic of Germany, p. 61-62.
  - m. SWANSON, DON R. Education for Systems Planning, p. 63-64.
  - n. TOMAN, J. Future Tasks in Education, p. 65-66.
  - o. ROBINSON, JANE J. The Transformation of Sentences for Information Retrieval, p. 69-73.
  - p. WILLIAMS, T. M. Some Logical Aspects of Thematic Representation with Explicit Ties, p. 75-81.
  - q. STONE, PHILIP J. Transformation and Organization of Information Content: Contribution of Psychology, p. 83-86.
  - r. RICHMOND, PHYLLIS A. Transformation and Organization of Information Content: Aspects of Recent Research in the Art and Science of Classification, p. 87-106.
  - s. LIPETZ, BEN-AMI. The Effect of a Citation Index on Literature Use by Physicists, p. 107-115; Discussion, by Julian Bigelow.
  - t. TELL, BJORN V. Auditing Procedures for Information Retrieval Systems, p. 119-124.
  - u. SALTON, G. The Evaluation of Computer-Based Information Retrieval Systems, p. 125-133.
  - v. JAHODA, G. Information Needs of Science and Technology-- Background Review, p. 137-142.
  - w. KUNEY, JOSEPH H. User's Perception of Editorial Content, p. 143-150.
  - x. BERUL, LAWRENCE & ALLAN KARSON. An Evaluation of the Methodology of the DoD User Needs Study, p. 151-157.
  - y. NEHNEVAJSA, JIRI. Information Needs of Society: Future Patterns, p. 161-168.
  - z. LASSWELL, HAROLD D. Policy Problems of a Data-Rich Civilization, p. 169-174.

1250. INTERNATIONAL FEDERATION FOR DOCUMENTATION. Proceedings ... (Continued)

- aa. BOGGS, STEPHEN T. Information Problems in the Field of Anthropology, p. 175-177.
- bb. DARLEY, JOHN G. Information Exchange Problems in Psychology, p. 179-183.
- cc. HEMPHILL, JOHN K. Information Needs in Education, p. 185-187.
- dd. ALLEN, LAYMAN E. Sketch of a Proposed Semiautomatic, Hierarchical, Open-Ended Storage and Retrieval System for Statute-Oriented Legal Literature, p. 189-198.
- ee. DEUTSCH, KARL W. Information Needs of Political Science, p. 199-203.
- ff. DUNN, EDGAR S., JR. Information Needs in the Field of Economics, p. 205-207.
- gg. ROSENBLUM, MARCUS. Information Needs of Society with Respect to Health, p. 209-211.
- hh. KONECCI, EUGENE B. Solution to Information Problems or Obsolescence?, 215-227.
- ii. SIAMECKA, VLADIMIR. Principles of Substantive Analysis of Information, p. 229-234.
- jj. WISHNER, RAY. The Role of Paper Tape and Optical Scanning Computer Input in Textual Data Processing, p. 235-240.
- kk. AUSTIN, CHARLES J. Dissemination of Information and Problems of Graphic Presentation, p. 241-245.
- ll. KING, ALEXANDER. Science Policy, Documentation and the Future of FID, p. 249-255.
- mm. LOWRY, W. KENNETH. Remarks of the Incoming President of FID, p. 257-258.

1251. INTERNATIONAL FEDERATION FOR DOCUMENTATION. Statement on a New FID Programme to Meet Changing Information Patterns. The Hague, Apr. 1966, 7 p. (FID 404)

1252. INTERNATIONAL FEDERATION FOR INFORMATION PROCESSING AND INTERNATIONAL COMPUTATION CENTRE. JOINT TECHNICAL COMMITTEE ON TERMINOLOGY. IFIP-ICC Vocabulary of Information Processing. Chairman, Geoffrey C. Tootill; Secretary, A. R. Wilde. First English Language Edition. North-Holland Publ. Co., 1966, 208 p.
1253. International Supermarket for Engineers. Mech. Eng., 88 (June 1966) 88.  
(ISAAC, K. A. & M. N. RAMAKRISHNAN see Ref. 1271 g)  
(ISAACS, HERBERT H. see Ref. 1365 c)
1254. ISI [Institute for Scientific Information] Eases Scientists' Information Problems, Provides Convenient Orderly Access to Literature. Reprinted from: Karger Gazette, 13 (5 Mar. 1966)
1255. IVIE, EVAN LEON. Search Procedures Based on Measures of Relatedness Between Documents. Massachusetts Institute of Technology, Cambridge, May 1966, 243 p. Report no. MAC-TR-29. (AD-636 275)  
(JACKSON, EUGENE B. see Ref. 1163 g)
1256. JACKSON, ISABEL H. (ed.) Acquisition of Special Materials. San Francisco Bay Region Chapter, Special Libraries Association, San Francisco, Calif., 1966, 222 p. Contents:
- a. AHN, HERBERT K. The Acquisition of Government Publications, p. 1-40.
  - b. BAER, MARK H. Serials and Out-of-Print Titles, p. 41-59.
  - c. OWENS, CHARLOTTE G. Foreign Materials and Translations, p. 60-72.
  - d. BEDSOLE, DANNY T. Technical Reports, p. 73-96.
  - e. MAYNARD, ROBERT. Trade Catalogs, Standards, Specifications and Patents, p. 97-118.
  - f. WALDRON, HELEN J. Conferences and Symposia; with Notes on Intelligence Materials, p. 119-143.
  - g. PEITIT, KENNETH I. Maps, Microtexts, p. 144-157.
  - h. RATCLIFFE, THOMAS EDWARD. Interlibrary Loan and Photocopy, p. 158-172.
  - i. Bibliography, p. 173-208.

1257. JACKSON, MARIE HULL & R. K. WALDRON. Cost Analysis of Card Reproduction by Multilith. PNLA Quart., 30 (Apr. 1966) 198-201.  
(JACOBS, MORTON C. see Ref. 1055 q)
1258. JACOBUS, DAVID P., ROBERT R. GULICK, LOUISE SCHULTZ, PHYLLIS V. PARKINS. Direct User Access to the Biological Literature through Abstracts: A Cooperative Experiment in Customized Service. Bioscience (Sept. 1966) 599-603.  
(JAHODA, G. see Ref. 1250 v)  
(JAISWAL, R. P. & D. V. BAL see Ref. 1271 q)
1259. JANSEN, B. DOUGLASS. A System for Content Analysis by Computer of International Communications for Selected Categories of Action. Amer. Behav. Sci., 9 (Mar. 1966) 28-32.
1260. JASPERT, W. P. Photosetting by Cathode Ray Tube. Print in Brit., 13 (Apr. 1966) 28-31.
1261. JEFFERSON, G. Library Cooperation. London House and Maxwell, New York, 1966, 57 p.
1262. JENNINGS, CARL S., JR. & WILLIAM J. PRICE. Computers in the Research Administrative Process. Air Force Office of Scientific Research, Washington, D.C., 25 Apr. 1966, 41 p. (Scientific Report no. AFOSR-66-0653) (AD-631 974)
1263. JERMY, K. E. Control of Commercially Confidential Information in Reports. Aslib Proc., 18 (Aug. 1966) 218-223; Discussion, p. 223-225.  
(JOHNSON, AUGUSTUS C. see Ref. 1101 k)
1264. JOHNSON, G. What the Public Librarian Wants from Computers. Aslib Proc., 18 (Sept. 1966) 239-245.
1265. JOHNSON, L. B. President Signs LSCA 1966 Amendments; Announces National Library Commission, Excerpts from Address, July 19, 1966. Libr. J., 91 (Aug. 1966) 3666.



1266. JOINT PUBLICATIONS RESEARCH SERVICE, Washington, D.C. Foreign Developments in Machine Translation and Information Processing.
- No. 181 Scientific-Technical Information, no. 11, 1965.  
15 Apr. 1966, 171 p. (JPRS-35061) Order from CFSTI or ETC: as TT-66-31499. Trans. of: Nauch.-Tekh. Inform. (USSR) no. 11 (1965) 1-60.
- No. 182 GIRSHBERG, YU V., A. M. DUBITSKAYA, N. S. KOLCHINSKAYA.  
15 Apr. 1966, 14 p. (JPRS-35063) Order from CFSTI or ETC as TT-66-31501. Trans. of: Nauch.-Tekh. Inform. (USSR) no. 12 (1965) 45-48.
1267. JONES, MARTIN V. How to Estimate the Investment Cost of Electronic Data Processing Equipment. MITRE Corp., Bedford, Mass., May 1966, 39 p. Report no. MTR-70. (AD-633 878)
- (JOY, WILLIAM F. see Ref. 1055 r)
- (JULLIARD, L. G. see Ref. 1443 uu)
1268. JUSTICE, BEN & F. B. LIEBOLD, JR. Photochromic Glass-- A New Tool for the Display System Designer. Inform. Display, 2 (Nov./Dec. 1965) 23-28.
1269. KASAMI, TADAO. Error Analysis Parsing for Context-Free Languages. Hawaii Univ., Dept. of Electrical Engineering, Honolulu, 25 Jan. 1966, 14 p. (Report no. Scientific-7) AFCRL 66-143. (AD-631 866)
1270. KATZ, AARON. High Information-Level Culture--Further Aspects. Cybernetica (Namur) 9:1 (1966) 24-49.
- (KAUFMAN, LLOYD, JAMES LINCOLN, & COLIN PITBLADO see Ref. 1354 x)
1271. KAULA, P. N. Indian Standards Convention on Documentation and Library Housing. Herald Libr. Sci., 5 (Apr. 1966) 140-142. Preprints:
- Group A: Problems in the Chain Procedure Used as a Means to Arrive at Subject Headings.
- a. NEELAMEGHAN, A. & M. A. GOPINATH. Homonym in Subject Heading: Case Studies.
  - b. BEGUM, SUGRA & AFROZE FATHIMA. Style and Rendering of Subject Heading in a Frozen Bibliography.
  - c. PARTHASARATHY, V. V. Composite Terms Vs. Isolate Terms in Subject Heading: A Study for Standardization.

1271. KAULA, P. N. Indian Standards Convention on Documentation ... (Continued)

- d. RAO, D. GUNDU. Style and Rendering of Feature Headings Derived by Chain Procedure in a Printed Frozen Classified Documentation List.

Group B: Code of Practice for Preparation of Subject Headings in English and Indian Languages.

- e. PARKHI, R. S. Code of Practice for the Preparation of Subject Headings in Marathi.
- f. BAROT, C. P. Subject Headings in Gujarati.
- g. ISAAC, K. A. & M. N. RAMAKRISHNAN. Code of Practice for the Preparation of Subject Headings in Malayalam.
- h. Rao, C. V. Subba. Subject Headings: Chain Indexing: Telugu.
- i. ROY, P. B. & GANESH BHATTACHARYYA. Construction of Bengali Subject Heading by Chain Procedure.

Group C: Abbreviation of Titles of Periodicals in Indian Languages.

- j. BHATTACHARYYA, GANESH. Abbreviation of Titles of Periodicals in Bengali.
- k. THILLAINAYAGAM, V. Problems of Abbreviations of Titles of Periodicals in South Indian Languages.
- l. SRIVASTAVA, G. P. Problems of Abbreviations for Titles of Periodicals in North Indian Languages.
- m. VARADARAJAN, M. Problems of Abbreviations of Titles of Tamil Periodicals.
- n. DUTTA, S. A Study of 1286 Titles of Indian Learned Periodicals.
- o. GOIL, N. K. Study of Titles of Learned Periodicals.

Group D: Canons for Establishing Technical Terminology in Indian Languages.

- p. RANGANATHAN, S. R. Standard for Scientific Terminology.

1271. KAULA, P. N. Indian Standards Convention on Documentation ... (Continued)

- q. JAISWAL, R. P. & D. V. BAL. Canons for Establishing Technical Terminology in Indian Languages.
- r. SHARMA, GOPAL P. The Problems of Standardization of Scientific and Technical Terminology in the Indian Languages.

## Group E: Review of Existing Technical Glossaries for Different Disciplines.

- s. NEELAMEGHAN, A. Classified Arrangement in a Glossary of Technical Terms.
- t. NEELAMEGHAN, A. Structure of an Entry in a Glossary of Technical Terms.
- u. MATHUR, G. C. A Review of Technical Glossary and Documentation Work in Hindi with Special Reference to Building Science.

## Group F: Presentation of a Project Report.

- v. RANGANATHAN, S. R. Technical Report Writing.
- w. SHAH, P. R. Presentation of a Project Report with Particular Reference to Chemical Industry.

## Group G: Standardization of Library Buildings of Different Types.

- x. MARATHE, N. B. A Need for a Survey of Library Architecture Fittings and Furniture in India.
- y. RAO, C. V. SUBBA. Micro-Document, Depth Classification and Flat Filing Equipment.

## Group H: Evaluation of Existing Indian Standards of Library Buildings, Fittings and Furniture.

- z. RANGANATHAN, S. R. Library Housing: Neglect of the Indian Standards: What can be the Reason?
- aa. GUPTA, R. C. Role of an Archivist in Implementing the Indian Standard Code of Practice Relating to Primary Elements in the Design of Building for Archives.
- bb. SESHACHALAM, C. Certain Compelling Factors Governing Design and Dimensions of Buildings, Fittings and Furniture for Libraries.

- (KAWAJI, A., H. SHIRAKI, T. ANDO, & T. OKUBO see Ref. 1354 c)
- (KAY, MARTIN & THEODORE W. ZIEHE see Ref. 1220c)
1272. Keeping Track of 4,000,000 Journals a Week. Off. Meth. Mach., 13 (July 1966) 538-540, 560.
- (KELLEY, ROBERT A. see Ref. 1032 r)
- (KELLY, R. DAVID see Ref. 1443 pp)
- (KELSEY, F. ELLIS see Ref. 1101 b)
1273. KENT, A. & P. J. VINKEN. The Center for International Biomedical Communications Research. Meth. Inform. Med., 5 (July 1966) 142-146.
1274. KENT, ALLEN. Textbook on Mechanized Information Retrieval. 2nd edition. Interscience Publishers, New York, 1966, 371 p. (Library Science and Documentation, vol. 3).
1275. KENTON, CHARLOTTE. Recurring Bibliographies Program of MEDLARS. Bull. Med. Libr. Ass., 50 (Apr. 1966) 135-137.
1276. KESSLER, M. M. TIP User's Manual: A Guide for On-Line Search and Retrieval of the Current Literature in Physics. 1st edition. Massachusetts Institute of Technology, Cambridge, Mass., Dec. 1965, 27 p. (AD-635 163)
1277. KIDD, JAMES. Romantic Appeal of a Catalogue: The Old Guard-Book Style Name-Catalogue. Libr. Rev., 20 (Spring 1966) 321-324.
1278. KIEFER, FERENC. Some Semantic Relations in Natural Languages. Found. Lang., 2 (Aug. 1966) 228-240.
1279. KIMBER, RICHARD K. Progress in Computer Applications in Some British University Libraries. Aslib Proc., 18 (Sept. 1966) 254-261.
- (KING, ALEXANDER see Ref. 12500 )
- (KINNEY, GLENN C. see Ref. 1354 cc)
1280. KINNEY, GLENN C. & D. J. SHOWMAN. The Relative Legibility of Selected Alphanumerics in Two Fonts. MITRE Corp., Bedford, Mass., Aug. 1966, 20 p. (Studies of Display Symbol Legibility, pt. 11) MTR-205. (AF. ESD. TR-66-116)

- (KIRKPATRICK, JAMES M. see Ref. 1443 o)
1281. KISTERMANN, F. W. Eine Standard-Eingabe für die Datenverarbeitung in der Dokumentation und dem Bibliothekswesen [A Standard-Input Form for Data Handling in Documentation and Libraries]. IBM Nach., 16 (Feb. 1966) 28-34.
- (KIZER, LES J. see Ref. 1443 cc)
- (KLEIN, LAWRENCE R. see Ref. 1443 u)
- (KLEYN, P. A. see Ref. 1183 e)
1282. Knowledge on Tap. Economist, 219 (21 May 1966) 827-828+.
- (KNOX, WILLIAM T. see Ref. 1163 c)
- (KONECCI, EUGENE B. see Ref. 1250 hh)
- (KORNFELD, LEO L. see Ref. 1032 bb)
- (KOTANI, MASAO & YOSOJI ITO see Ref. 1250 k)
1283. KOUDRY, H. JOHN. Optimizing the System Design. Syst. Proced. J., 17 (Sept.- Oct. 1966) 26-29.
1284. KOVÁCS, MÁTÉ. The Education and Training of Librarians in Hungary. Libri, 16:1 (1966) 18-48.
1285. KOZHEVNIKOV, V. A. & L. A. CHISTOVICH. Speech: Articulation and Perception. Translated from the Russian Book. Clearinghouse for Federal Scientific and Technical Information, Springfield, Va., 1966. (TT-65-31233)
- (KRETTEK, GERMAINE see Ref. 1228 a)
1286. KRIEBEL, CHARLES H. On Information Economics and Aggregate Planning Decisions. Graduate School of Industrial Administration, Carnegie Institute of Technology, Pittsburgh, Pa., Mar. 1966, 27 p. (Management Science Research Report no. MSRR-68) (AD-631 937)

1287. KRIEBEL, CHARLES H. Operations Research in the Design of Management Information Systems. Graduate School of Industrial Administration, Carnegie Institute of Technology, Pittsburgh, Pa., Apr. 1966, 28 p. (Management Science Research Report no. MSRR-73) (AD-634 310)
- (KUNEY, JOSEPH H. see Ref. 1250 w)
- (KUNO, SUSUMU see Ref. 1220 f)
1288. KUCERA, HENRY & W. NELSON FRANCIS. Computational Analysis of Present-day American English. Brown Univ. Press, Providence, R.I., 1966, 512 p.
1289. KWIATKOWSKI, SOPHIE. Information Management at WESCON66. Spec. Libr. Ass. Bull.(So. Calif. Chapter) 28 (Fall 1966) 2-3.
1290. LA BOLLE, V. Development of Equations for Estimating the Costs of Computer Program Production. System Development Corp., Santa Monica, Calif., June 1966, 57 p. (TM-2918/000/00) ESD TR-66-350 (AD-637 760)
- (LALLY, KENNETH P. see Ref. 1354 a)
- (LAMB, SYDNEY M. see Ref. 1220 j)
- (LAMB, SYDNEY M. & WILLIAM H. JACOBSEN, JR. see Ref. 1220 d)
- (LAMBIOTTE, MARC see Ref. 1107 c)
1291. LANCE, G. N. & W. T. WILLIAMS. Computer Programs for Hierarchical Polythetic Classification (Similarity Analyses). Comput. J., 9 (Mar. 1966) 60-64.
- (LANDAUER, J. P. see Ref. 1032 p)
- (LANDIN, P. J. see Ref. 1180 e)
1292. LANE, DAVID O. Automatic Catalog Card Production. Libr. Resour. Tech. Serv., 10 (Summer 1966) 383-386.
- (LANIER, HAROLD F. see Ref. 1101 e)
- (LANPHER, BUEL F. see Ref. 1032 y)
- (LARROWE, VERNON L. see Ref. 1032 g)
1293. LARUE, JAN & G. W. LOGEMANN. EDP for Thematic Catalogues. Music Libr. Ass. Notes, 22 (June 1966) 1179-1186.

- (LASSWELL, HAROLD D. see Ref. 1250 z)
1294. LAURIE, EDWARD J. Computers and Computer Languages. 2nd edition. South-Western Publishing Co., Cincinnati, Ohio, 1966, 725 p.
- (LAWLOR, REED C. see Ref. 1055 g)
- (LAZORICK, GERALD J. see Ref. 1366 b)
1295. LEGEARD, C. Guide de Recherches Documentaires en Démographie. Préface d'Alfred Sauvy. Gauthier-Villars, Paris, 1966, 322 p.
1296. LEHMANN, W. P. & E. D. PENDERGRAFT. Machine Language Translation Study. Quarterly Progress Report no. 11, 1 Nov. 1965-31 Jan. 1966. Linguistics Research Center, Univ. of Texas, Austin, May 1966, 121 p. ECOM 02162-11. (AD-635 505)
- (LESK, M. E. see Refs. 1123 b & j)
- (LESK, M. E. & GERARD SALTON see Ref. 1123 e)
- (LESSER, V. R. see Ref. 1123 g)
- (LEVIN, HARVEY B. see Ref. 1055 t)
- (LEWIS, E. R. see Ref. 1183 a)
1297. LIBRARY OF CONGRESS. Library of Congress Catalog, Subjects: 1960-64. Quinquennial edition. J. W. Edwards, Publisher, Inc., Ann Arbor, Mich., Mar. 1966, 15,000 p. (25 vols.)
1298. LIBRARY OF CONGRESS. Summaries of Annual Reports. Libr. Congr. Inform. Bull., 25 (18 Aug. - 20 Oct. 1966)
- (LIBRARY OF CONGRESS. SCIENCE AND TECHNOLOGY DIVISION see Ref. 1417 j)
1299. LIBRARY TECHNOLOGY PROJECT. Seventh Annual Report for the Period July 1, 1965 - June 30, 1966. American Library Assn., Chicago, 1966, 28 p.
- (LICKLIDER, J. C. R. see Ref. 1163 h)
1300. LIEBERMAN, D., P. ROSENBAUM, D. LOCHAK, & F. BLAIR. Specification and Utilization of a Transformational Grammar. IBM, Thomas J. Watson Research Center, Yorktown Heights, N.Y., Mar. 1966, 305 p. (Report no. Scientific-1) AFCRL 66-270. (AD-635 520)

(LIGHT, ISRAEL see Ref. 1443 i)

1301. LINE, MAURICE B. Automation of Acquisition Records and Routine in the University Library, Newcastle upon Tyne. Program, no. 2 (June 1966) 1-5.
1302. LIPETZ, BEN-AMI. Information Storage and Retrieval. Sci. Amer., 215 (Sept. 1966) 224-232, +.
- (LIPETZ, BEN-AMI see also Ref. 1250 s)
1303. LISTON, D., JR. Information Systems: What they Do, How they Work. Mach. Design, 38 (21 July 1966) 190+.
- (LOCKRIDGE, J. PRESTON see Ref. 1443 p)
- (LONG, RAYMOND J. see Ref. 1055 i)
1304. LOW, EDMON. Federal Legislation, an Opportunity and a Challenge. N. C. Libr., 24 (Spring 1966) 8-11.
- (LOWRY, W. KENNETH see Ref. 1250 mm)
- (LUHN, H. P. see Ref. 1220 k)
1305. LUXENBERG, H. R. Cartographic Source Material Storage, Retrieval, and Output System Requirements for ACIC/IDHS. Planning Research Corp., Los Angeles, Calif., May 1966, 53 p. (RADC. TR-66-50)
1306. LUXENBERG, H. R. & R. L. KUEHN. Recording Media. Inform. Display, 3 (Sept./Oct. 1966) 41-46.
1307. MCGAUGH, JAMES L. Time-Dependent Processes in Memory Storage. Science, 153 (16 Sept. 1966) 1351-1358.
1308. McGRATH, WILLIAM E. & HELEN KOLBE. A Simple, Mechanized, Non-Computerized System for Serials Control in Small Academic Libraries: A Primer. Libr. Resour. Tech. Serv., 10 (Summer 1966) 373-382.
1309. McISAAC, PAUL V. Job Descriptions and Scheduling in the SDC Q-32 Time-Sharing System. System Development Corp., Santa Monica, Calif., 10 June 1966, 28 p. (TM-2996) (AD-636 339)
1310. McLAUGHLIN, G. HARRY. Comparing Styles of Presenting Technical Information. Ergonomics, 9 (May 1966) 257-259.



1311. MACRI, JOHN F. Communication-Oriented Computer Systems. Comput. Automat., 15 (Mar. 1966) 14-16, 50.
1312. MAGNINO, JOSEPH J., JR. Current Information Selection by Computer. Ind. Electron., 4 (June 1966) 269-273.
- (MAGNINO, JOSEPH J., JR. see also Ref. 1365 e)
1313. MAIDMENT, W. R. Book Issue Control by Computer within a Locally Integrated System. Aslib Proc., 18 (Sept. 1966) 246-253.
- (MAJEWSKI, ZYGMUNT see Ref. 1250 d)
- (MALCOLM, ANDREW see Ref. 1443 dd)
1314. MALONE, C. FORREST. ADP Resource Sharing System Computer Programs. National Aeronautics and Space Administration, Washington, D.C., Apr. 1966, 66 p.
1315. MANN, WILLIAM C. & PAUL A. JENSEN. A Data Structure for Directed Graphs in Man-Machine Processing. Computer Command and Control Co., Washington, D.C., 20 June 1966, 76 p. Report no. 77-106-1. (AD-636 251)
1316. MANTE, EDITH. Zur Entwicklung eines Medizinischen Bibliotheks- und Informationssystems in der DDR [The Development of a Medical Library and Information Service in the GDR]. Zentralbl. Bibl., 8 (May 1966) 298-305.
1317. MANTELL, LEROY H. On Laws of Special Abilities and the Production of Scientific Literature. Amer. Doc., 17 (Jan. 1966) 8-16.
- (MARATHE, N. B. see Ref. 1271 x)
1318. MARCHAND, HANS. The Categories and Types of Present-Day English Word-Formation: a Synchronic-Diachronic Approach. (Linguistic & Philological Series, no. 13) Univ. of Alabama Press, Tuscaloosa, 1966, 380 p.
1319. MARCKWARDT, ALBERT H. Linguistics and the Teaching of English. Indiana Univ. Press, Bloomington, 1966, 160 p.
- (MARCRI, JOHN P. see Ref. 1032 o)
- (MARKS, WILLIAM J. see Ref. 1443 kk)

1320. MARKUSON, BARBARA EVANS. Report on the Anglo American Conference on the Mechanization of Libraries, Held in Oxford, England, June 30 - July 3, 1966. Libr. Congr. Inform. Bull., 25, Appendix I (14 July 1966) 393-396.
- (MARTIN, ARTHUR C. see Ref. 1443 g)
1321. MARTIN, ROBERT L. Technical and Medical Research Libraries and Information Centers of the Department of the Army. U.S. Army Natick Labs., Natick, Mass., Jan. 1966.
1322. Maryland Library School Gets \$85,936 USOE Grant to Train ERIC Indexers. Libr. J., 91 (Aug. 1966) 3674.
1323. MASON, DONALD. Special Library and Information Services and Activities in Great Britain During 1965. Inspel, 1 (Apr. 1966) 7-8.
1324. MATHEWS, WILLIAM D. TIP Program Description. Massachusetts Institute of Technology, Cambridge, Mass., 1 Jan. 1966, 13 p. (AD-635 164)
- (MATHUR, G. C. see Ref. 1271 u)
1325. MATTSON, HOWARD W. Future Hospitals. Int. Sci. Tech., no. 56 (Aug. 1966) 30-37.
1326. MATVEYEVA, G. V. The Activities in the Field of Information and Documentation of Special Research Libraries of the Soviet Union. Inspel, 1 (Apr. 1966) 9-12.
- (MAYNARD, ROBERT see Ref. 1256 e)
1327. Mechanical Motion Display. Inform. Display, 3 (Jan./Feb. 1966) 68.
1328. MEDLARS Network Extended to University of Michigan. Wilson Libr. Bull., 41 (Sept. 1966) 19-20.
1329. MERCER, V. S., F. EUGENE FRANKLIN, & R. S. LOWENSTEIN. The Text90 System. Datamation, 12 (Oct. 1966) 41, 43, 45, 47.
- (MESAROVIC, MIHAJLO D. see Ref. 1417 d)
1330. MICHAEL, DONALD N. Some Long-Range Implications of Computer Technology for Human Behavior in Organization. Amer. Behav. Sci., 9 (Apr. 1966) 29-35.
- (MICHAELSON, HERBERT B. see Ref. 1443 fff)

- (MICHIE, D. see Ref. 1180 h)
1331. Microfilm--The Efficient Way to Handle Output Data. Data Process., 8 (Jan. - Feb. 1966) 38-43.
1332. Microfilm Maintenance Pays Off. Systems, 7 (Mar. 1966) 33, 42, 44.
1333. Microform Reader/Printer Equipment. Bus. Automat., 13 (Sept. 1966) 100-109.
1334. MILLER, GERALD R. On Defining Communication: Another Stab. J. Commun., 16 (June 1966) 88-98.
1335. MILLER, JAMES G. EDUCOM: Interuniversity Communications Council. Science, 154 (28 Oct. 1966) 483-488.
- (MILLER, JOHN R. see Ref. 1443 ee)
- (MINTZ, STANTON E. see Ref. 1365 a)
- (MITCHELL, JOHN H. see Ref. 1443 b)
1336. MITCHELL, WILLIAM H. Urban Planners & Information--Conference report. Datamation, 12 (Oct. 1966) 82-84, 86.
- (MOHAJIR, A. R. see Ref. 1250 e)
1337. MOLE, MILAN. Institut International de Documentation, Centre d'Activités Communes de la Documentation Mondiale--Une Nécessité Actuelle. Bull. Ass. Int. Doc., 5:2 (1966) 10-22.
- (MONTAGUE, JOSEPH FRANKLIN see Ref. 1443 w)
- (MOOERS, CALVIN N. see Ref. 1366 g)
1338. MOON, ERIC EDWARD. Dewey Proportions; How do the Subject Proportions of a Library's Total Circulating Book Stock Relate to the Subject Proportions of Its Current Acquisitions? Libr. J., 91 (1 June 1966) 2733.
- (MOORE, EVERETT T. see Ref. 1228 b)
1339. MORAVEC, ADOLPH F. Using Simulation to Design a Management Information System. Manage. Serv., 3 (May - June 1966) 50-58.
- (MORGAN, OLIVER B. see Ref. 1443 )

1340. MOROZOWA, E. N. Technical Libraries and the Scientific and Technical Information System in the USSR. IATUL Proc., 1 (Mar. 1966) 13-23.
1341. MORPURGO, J. E. Book and Journal Services for Doctors and Nurses: an Interim Report on a National Book League Investigation. Nuffield Provincial Hospitals Trust, London, 1966, 41 p.
1342. MORRISEY, MARLENE. The Federal Library Committee Met in LC on June 22 to Hear Reports on the Year's Work of Its Task Force. Libr. Congr. Inform. Bull., 25 (7 July 1966) 379-381.
1343. MORRISEY, MARLENE. The Federal Committee Met with the Committee on National Library Information Systems. Libr. Congr. Inform. Bull., 25 (9 June 1966) 302-303.
1344. MOULTON, PRISCILLA LANDIS. Experiment in Cooperative Reviewing by Scientists and Librarians. Horn Book Mag., 42 (June 1966) 345-349.
1345. MOUNT, ELLIS. Communication Barriers and the Reference Question. Spec. Libr., 57 (Oct. 1966) 575-578.
1346. MOYS, ELIZABETH M. Problems Involved in the Creation of New University Libraries. UNESCO Bull. Libr., 20 (Mar.- Apr. 1966) 54-64.
1347. MYERS, WARE, MICHAEL TOWNSEND, & TIMOTHY TOWNSEND. Data Compression. Datamation, 12 (Apr. 1966) 39-43.
1348. NAGY, G. T. Scanning Techniques with Light Beams. Inform. Display, 3 (May/June 1966) 29-36.
1349. NATALIS, GERHARDT. Neuere Lochstreifengeräte für die Datenaufnahme und die Verarbeitung von Lochstreifen mit Elektronischen Datenverarbeitungsanlagen. Nach. Dok., 17 (June 1966) 84-92.
1350. NATHAN, RUSSELL V. Toward Integration. Data Process., 8 (May - June 1966) 176-182.
1351. NATIONAL AERONAUTICS AND SPACE ADMINISTRATION. How to Use NASA's Scientific & Technical Information System. Washington, D.C., 1966.
1352. A National Bibliography Cataloging Division has been Created in the Processing Department. Libr. Congr. Inform. Bull., 25 (7 July 1966) 374-375.

1353. NATIONAL SCIENCE FOUNDATION. OFFICE OF SCIENCE INFORMATION SERVICE. Current Research and Development in Scientific Documentation, no. 14. Washington, D.C., 1966, 662 p. (NSF-66-17)
1354. The National SID [Society for Information Display] Symposium, 7th, [Boston, Mass., 18-20 October 1966] Inform. Display, 3 (Sept./Oct. 1966) 54-62.\* Contents (Abstracts):

Session 1. Display Devices and Techniques.

- a. LALLY, KENNETH P. Non-Linear Optical Filters.
- b. BORKOWSKI, R. P., L. N. FINNIE, M. KORNELAU, D. GRAFSTEIN, & E. HILBORN. Application of Thermochromic Materials in Display Devices.
- c. KAWAJI, A., H. SHIRAKI, T. ANDO, & T. OKUBO. A Solid-State Matrix Display Employing Gallium Phosphide Diodes.

Session 2. Information Processing as a Function of Display Format.

- d. BROWN, JAMES E. Development and Evaluation of an Aircraft Photochromic Pictorial Navigation Display.
- e. DEININGER, RICHARD L. The Interaction of Display Mode and Keying Performance.
- f. ORNSTEIN, GEORGE N. Evaluation of Probabilistic Displays.
- g. PICKETT, RONALD M. & BENJAMIN WHITE. Constructing Data Pictures.
- h. GREYER, WALTER F. Display Design Standards Based Upon Human User Requirements.

Session 3. The Observer: Human Factors and Performance.

- i. CLAUER, CALVIN K. Extending Image Reproduction System Analysis to Include the Observer.
- j. CLAUER, CALVIN K., A. S. NEAL, & R. L. ERDMAN. Evaluation of Some Display System Parameters with Human Performance Measures.
- k. TILTON, H. B. Pulfrich Space Form.
- l. HILLMAN, BEVERLY M. Human Factors in the Design of Airborne Television Display.

\* Proceedings available from Western Periodicals, No. Hollywood, Calif.

## 1354. The National SID [Society for Information Display] (Continued)

- m. DEVOE, DONALD B. Some Problems in the Display of Information for Weather Forecasting.
- n. CAULFIELD, H. J. Numerical Displays Evaluation.

## Session 4: Display Devices and Techniques.

- o. DAMON, PHILIP P. High Resolution Multi-Color Storage Tube.
- p. ENGEL, JAN & ARTHUR M. ELDRIDGE, JR. A New Device for Versatile Display Systems--The Electrostatic Storage Display Tube.
- q. SOMERS, LEWIS E. Magneto-Optic Properties of Electroplate NiFe Films and their Characteristics as Display Elements and Devices.
- r. STEWART, RICHARD D. PSIN-EL-PC Display.
- s. CHRISTENSEN, R. W. & W. R. McKEIRNAN. Basic EL Designs for Space and Military Applications.
- t. COWDEN, D. G. & A. D. JOHNSON. The Cathode Ray Tube--A Child of Compromise. (Standby Paper)

## Session 5. Display Systems.

- u. PELLEGRINO, J. A. & W. C. VESSER. The Design and Development of a Computer-Driven Electroluminescent Vertical Scale Indicator.
- v. BAKER, CHARLES E. & LARRY L. PIPKEN. A Multicolor Laser Digital Data Display System.
- w. DEUTSCH, SID. A 200 KHz Phonevision System.
- x. KAUFMAN, LLOYD, JAMES LINCOLN, & COLIN PITBLADO. Evaluation of Narrow Bandwidth TV Display.
- y. HATFIELD, JACK J. A Programmable Display Synthesizing System for Man-Machine Communications Research.
- z. BALABAN, PHILIP. High Density Tape Recording of Reduced-Bandwidth TV Signals. (Standby Paper)

## Session 6. Display Standards and Measurements.

- aa. VESSER, W. C. & J. A. PELLEGRINO. A Display Specification.

## 1354. The National SID [Society for Information Display] (Continued)

- bb. BRYDEN, J. E. Some Notes on Measuring Performance of Phosphors Used in CRT Displays.
- cc. KINNEY, GLENN C. Human Performance Standards in Display Specifications.
- dd. SCHIFFLER, RICHARD J. Eye Movement Technique to Measure Visual Search Behavior.
- ee. CONSTANTINE, JOHN M. Two-Slit Spot Measurement.
- ff. WEISS, HELMUT. Capacity and Optimum Dimensions of Display for Group Viewing. (Standby Paper)

(NATIONAL SYMPOSIUM ON ENGINEERING INFORMATION see Ref. 1163)

(NEEDHAM, R. M. see Ref. 1180 i)

(NEELAMEGHAN, A. see Refs. 1271 s & t)

(NEELAMEGHAN, A. & M. A. GOPINATH see Ref. 1271 a)

(NEHNEVAJSA, JIRI see Ref. 1250 y)

1355. Nelson Associates Survey Recommends One Catalog Center for State of N.Y. Libr. J., 91 (15 June 1966) 3132.

(NEURON, ERIC see Ref. 1366 c)

1356. New Equipment Review. Systems, 7 (Oct. 1966) 6-8. Contents (Partial):

Automatic Paper Feed Featured in Diazo Copier, p. 6.

Microfilm System Gives Wide Size Selection, p. 6.

Optical Page Reader Computer Combined, p. 6.

Data Acquisition System Speeds Clinical Tests, p. 6.

Multicolor Work Made Possible with Stencil-Printer, p. 6.

General Purpose Computer Permits Diverse Applications, p. 7.

Desk Top Cabinet Expands File Space, p. 7.

1356. New Equipment Review. (Continued)
- Continuous Form Simplifies Mailing Procedure, p. 7.
- Reporting System Increases EDP Efficiency, p. 7.
- Document Sorter Handles 14,000 Pieces Per Hour, p. 8.
1357. New Products Available From ... EDP Weekly, 6 (10 Jan. - 18 Apr. 1966); 7 (25 Apr. 1966 --)
1358. New York Traffic Summonses to be Checked by Computer. Comput. Automat., 15 (Sept. 1966) 39.
1359. The Next Three Phases in the Library of Congress' Program to Automate its Bibliographic Record will be Undertaken by the United Aircraft Systems Center of Farmington, Conn. ... Libr. Congr. Inform. Bull., 25 (16 June 1966) 310.
1360. 1965 Parade of New Products. Data Process. Mag., 8 (Jan. 1966) 40-61.
- General Purpose Computers, p. 41-43.
- Special Purpose Computers, p. 44.
- Hybrid and Analog Computers, p. 45.
- Peripheral Equipment, p. 46-51.
- Data Communications and Displays, p. 52-54.
- Miscellaneous Items, p. 55-61.
1361. NORTHWESTERN UNIVERSITY. DEPARTMENT OF GEOGRAPHY. Five Papers on Remote Sensing and Urban Information Systems. Evanston, Ill., Apr. 1966, 29 p. Report no. TR-1. (AD-634 149) Presented at Third Annual Conference on Urban Planning Information Systems. Chicago, Ill., Sept. 1965. Contents:
- a. GARRISON, WILLIAM L. Demands for Small-Area-Data.
  - b. ROSENFELD, AZRIEL. Image Processing.
  - c. ALEXANDER, ROBERT H. Multispectral Sensing of Urban Environments.
  - d. THOMAS, EDWIN N. & DUANE F. MARBLE. The Use of Remote Sensors in Urban Information Systems.



1361. NORTHWESTERN UNIVERSITY. Five Papers on Remote Sensing ... (Continued)
- e. THOMPSON, MORRELL. The Utilization of an Infrared Thermal Mapping System for Urban Planning.  
(O'BANION, ALTON E. see Ref. 1443 j)  
(OFIESH, GABRIEL D. see Ref. 1443 qq)
1362. OLIVE, BETSY ANN. Case Studies, Anyone? Spec. Libr., 57 (Oct. 1966) 594.  
(OLSON, DEWEY E. & RAY A. LEE see Ref. 1443 ggg)
1363. On-Line or Off-Line, A Good Performing Chain Printer. Data Process. Mag., 8 (Jan. 1966) 25, 62-63.
1364. On Top of Today's Technology: Taming the Information Explosion. Chem. Eng., 73 (3 Jan. 1966) 79-80.
1365. OPERATIONS RESEARCH SOCIETY OF AMERICA. Program [and Abstracts] of the Twenty-Ninth National Meeting of the Operations Research Society of America [Santa Monica, Calif., 18-20 May 1966] Bull. Oper. Res. Soc. Amer., 14 (Spring 1966) B-14--B-139. Contents (Partial): \*
- a. MINTZ, STANTON E. (Litton Industries, Van Nuys, Calif.) On the Application of a Specialized Control System for Scientific and Technical Information Centers. (WA6.8)
  - b. GOODMAN, ARNOLD. (Space and Information Systems Div., North American Aviation, Downey, Calif.) Statistical Analysis of Scientific and Technical Information Needs. (WP5.5)
  - c. ISAACS, HERBERT H. (System Development Corp., Santa Monica, Calif.) System Analysis of the Los Angeles Police Department Crime Information System. (TP2.5)
  - d. TULLIER, PIERRE M. & THOMAS W. MASON. (Franklin Institute, Center for Naval Analyses, Arlington, Va.) An Information Retrieval System for a Small Operations Research Group. (FP7.10)
  - e. MAGNINO, JOSEPH J., JR. (IBM Corp., P.O. Box 218, Yorktown Heights, N.Y.) Computer Information Retrieval and R&E Management. (FP7.11)

\* Requests for copies of papers should be made directly to the authors.

1366. OPERATIONS RESEARCH SOCIETY OF AMERICA. Program [and Abstracts] of the Thirtieth National Meeting ... [Durham, N.C., 17-19 October 1966] Bull. Oper. Res. Soc. Amer., 14 (Fall 1966) B-168--B-217. Contents (Partial): \*

- a. DAUGHTRY, JAMES F., III (Computer Applications, Inc., San Diego, Calif.) Sponsored by S. J. Ancker, Jr. (System Development Corp., Santa Monica, Calif.) A General Simulation of an Information Transfer System for the Analysis of the Operational Effectiveness of Military Communication Networks. (A4.3)
- b. LAZORICK, GERALD J. (Department of Industrial Engineering, State University of New York at Buffalo, Buffalo, N.Y.) Sponsored by Ferdinand F. Leimkuhler (Purdue Univ., Lafayette Ind.) The Use of Monte Carlo Methods to Determine File Maintenance Criteria for an Automated Library Acquisitions System. (TP3.3)
- c. NEURON, ERIC. (U.S. Naval Missile Center, Code 01-2, Point Magu, Calif.) Sponsored by Lewis A. Leake. (Research Analysis Corp., McLean, Va.) The Operations Research Library System. (TP3.4)
- d. TRUESWELL, RICHARD W. (Industrial Engineering Program, School of Engineering, Univ. of Massachusetts, Amherst, Mass.) & ALBERT H. RUEBENSTEIN. (Department of Industrial Engineering and Management Sciences, Northwestern Univ., Evanston, Ill.) Information Searching Behavior of Physicians. (TP3.7)
- e. BARUCH, JORDAN J. (Medinet, 100 Galen Street, Watertown, Mass.) A Hospital Computer Network. (WA1.1)
- f. GLASER, EZRA. (Public Health Service, Dept. of Health, Education, and Welfare, Bethesda, Md.) Recent Developments in Some Technical Information Programs of the Federal Government. (WA1.2)
- g. MOOERS, CALVIN N. (Rockford Research Institute, Inc., 140 1/2 Mt. Auburn Street, Cambridge, Mass.) A Visionary Recasts his Views on Information Retrieval. (WA1.3)
- h. BROOKS, E. S. (Research Triangle Institute, Durham, N.C.) Defining an Information System for Civil Defense Emergency Operations. (WA2.2)

\* Requests for copies of papers should be made directly to the authors.

1367. OPTNER, STANFORD L. Systems Analysis for Business and Industrial Problem Solving. Prentice-Hall, Englewood Cliffs, N.J., 1966, 116 p. (Prentice-Hall International Series in Industrial and Management Science. W. Grant Ireson, ed.)
1368. ORMSBY, JEANNE. Cuyahoga Automates! Ohio Libr. Ass. Bull., 36 (Jan. 1966) 19-21.  
(ORNSTEIN, GEORGE N. see Ref. 1354 f)
1369. Over 1000 Areas of Application of Computers. Comput. Automat., 15 (June 1966) 88-94.  
(OVERTON, R. K. see Ref. 1183 h)  
(OWENS, CHARLOTTE see Ref. 1256 c)
1370. OZBEKHAN, HASAN. Technology and Man's Future. System Development Corp., Santa Monica, Calif., 27 May 1966, 41 p. (SP-2494)  
(PAFFENDORF, CARL G. see Ref. 1055 h)
1371. PAPP, FERENC. Mathematical Linguistics in the Soviet Union. Mouton, The Hague, 1966.
1372. PARIS, ETIENNE. Talking with Computers. Sci. J., 2 (Mar. 1966) 68-73.
1373. PARKER, EDWIN B. & WILLIAM J. PAISLEY. Research for Psychologists at the Interface of the Scientist and his Information System. Stanford Univ., Stanford, Calif., 29 p. (Preprint) To be pub. in: Amer. Psychol., Nov. 1966.
1374. PARKER, JERALD V. Holography and Display. Inform. Display, 3 (May/June 1966) 24-28.  
(PARKHI, R. S. see Ref. 1271 e)
1375. PARSONS, JAMES A. A Replacement Policy Based on Equipment Age. Data Process. Mag., 8 (Feb. 1966) 24-27.  
(PANTHASARATHY, V. V. see Ref. 1271 c)
1376. PATEK, FERENC. A Műszaki-Tudományos Tájékoztatás Dinamikája [Dynamics of the Scientific-Technical Information Activity: Demand Research] OMKDK Módsz. Kiadv., 23 (1966) 118 p.

1377. PAYNE, BURL. A Descriptive Theory of Information. Behav. Sci., 11 (July 1966) 295-305.
1378. PEARL, M. L. & J. P. SAVILLE. New Subject Arrangement for the Abstracts Section of the "Journal of the Iron and Steel Institute" and for the Institute's "Abstract and Book Title Index Card Service" (ABTICS) J. Iron Steel Inst., 203 (Dec. 1965) 1256-1259.
- (PELLEGRINO, J. A. & W. C. VESSER see Ref. 1354 u)
1379. PENNA, CARLOS VICTOR. UNESCO's Current Activities in Library Development: the Ideas Which Influence Them. J. Libr. Hist., 1 (Apr. 1966) 101-107.
- (PETTIT, KENNETH I. see Ref. 1256 g)
1380. Photocopying Machines: Dyaline, Flatbed, Rotary, Electrostatic, Reflex. Off. Equip., (1 Mar. 1966) 40-44.
- (PICKETT, RONALD M. & BENJAMIN WHITE see Ref. 1354 g)
- (PIGEON, ROBERT F. see Ref. 1443 ccc)
1381. PIZER, IRWIN H. Automation in the Library. Hosp. Progr. (July 1966)
1382. PODZIMEK, JAROSLAV. Plánování Výhledového Tématického Zaměření Informační Činnosti [Long-Term Planning of Information Work] Tech. Knih., 1 (1966) 8-15.
- (POINDRON, PAUL see Ref. 1250 j)
- (PORTE, MICHAEL see Ref. 1443 k)
1383. PREPERSKI, HORST & KURT-JOACHIM ZURAWSKI. Der Thesaurus als Grundlage für die Sachregisterbearbeitung bei Technischen Referateorganen [The Thesaurus as a Basis for Specific Index Adaptation in Technical Abstract Publications.] Nach. Dok., 17 (Mar. 1966) 13-22.
- (PRICE, PAXTON P. see Ref. 1394 e)
- (PRIMEAU, R. A. see Ref. 1032 s)
1384. Products & Services [A monthly section] Data Process. Mag., 8 (Jan. 1966)

(PRYWES, NOAH S. see Ref. 1417 g)

(QUINN, A. K. see Ref. 1443 rr)

1385. RABINOW, JACOB. Optical Character Recognition Today. Data Process. Mag., 8 (Jan. 1966) 18-20, 22-24.  
(RABINOW, JACOB see also Ref. 1032 h)
1386. RAEVSKII, A. N., A. V. ANTONOV, F. GORANSKII. Studies in Man-Machine Relationships. 9 May 1966, 17 p. (JPRS-35410) Order from CFSTI or EIC as TT-66-31846. Trans. of: Mashinostroitel (USSR) n. 2, p. 41-43, 1966 and from Sovet. Belorussiya (USSR) 12 (Mar. 1966) 2.
1387. RANGANATHAN, S. R. Education for Documentalists. Libr. Sci. Slant Doc., 3 (Mar. 1966) 42-50.  
RANGANATHAN, S. R. see also Refs. 1271 p, v, & z)
1388. Ranges of Computer Speeds of Commercial Computers. Comput. Automat., 15 (June 1966) 86.  
(RAO, C. V. SUBBA see Refs. 1271 h & y)  
(RAO, D. GUNDU see Ref. 1271 d)  
(RATCLIFFE, THOMAS EDWARD see Ref. 1256 h)
1389. RATH, GUSTAVE J. Punched Card Data Processing. Science Research Associates, Chicago, 1966, 331 p.
1390. RAUGH, IRMENGARD & CHARLES T. SCOTT. (eds.) Approaches in Linguistic Methodology. Univ. of Wisconsin Press, Madison, 1966, 176 p.
1391. REAGAN, F. H., JR. Auerbach on Equipment: Data Communications--What It's All About. Data Process. Mag., 8 (Apr. 1966) 20-24, 26, 66-67.
1392. REED, DAVID M. & DONALD J. HILLMAN. Document Retrieval Theory, Relevance, and the Methodology of Evaluation. Report no. 4: Canonical Decomposition. Center for the Information Sciences, Lehigh Univ., Bethlehem, Pa., 12 Aug. 1966, 33 p. (NFS Grant no. GN-451)
1393. REED, SARAH R. The Federal Government and Professional Library Education. ALA Bull., 60 (Feb. 1966) 163-166.

1394. REED, SARAH R. (ed.) Problems of Library School Administration. Report of an Institute, April 14-15, 1965, Washington, D.C. Sponsored by American Library Association, Library Education Division, Association of American Library Schools, U.S. Office of Education, Library Services Branch. U.S. Dept. of Health, Education, and Welfare, Office of Education, Washington, D.C., 1966, 71 p. (OE-15057) Contents:
- a. MORTON, FLORRINELL F. Faculty Adequacy, p. 3-9. Critique, by G. Bruce Dearing, p. 10-12.
  - b. BEVIS, DOROTHY. We Ply and Weave, p. 15-19.
  - c. SWANK, RAYNARD C. The Graduate Library School Curriculum, p. 20-27. Critique, by Donald C. Agnew, p. 28-29.
  - d. SHERA, JESSE H. The Problem of Finance, p. 33-45. Critique, by James I. Doi, p. 46-48.
  - e. PRICE, PAXTON P. Legislation Relating to Library Education, p. 51.
  - f. SCHICK, FRANK L. Library Services Branch Programs Relating to Library Education, p. 52-56.
  - g. SELDEN, WILLIAM K., LEON CARNOVSKY, & GRIEG ASPNES. Accreditation: A Panel, p. 59-67.
  - h. Appendix -- Institute Participants, p. 69-71.
- (REISTAD, DALE L. see Ref. 1032 x)
1395. Report on Information Services for the Textile Industry in the United Kingdom. Textile Inst. Ind., 4 (June 1966) 156-160.
1396. Reports on the 57th Annual Convention of Special Libraries Association Held in Minneapolis, Minn., May 29 - June 2, 1966. Libr. Congr. Inform. Bull., Appendix (16 June 1966) 313-320.
- (RICHMOND, PHYLLIS A. see Ref. 1250 r)
- (RIDDLE, W., T. HORWITZ, & R. DIETZ see Ref. 1123 f)
1397. RIDGEWAY, J. Advising Congress; Legislative Reference Service. New Repub., 155 (30 July 1966) 17-18.

1398. RINGEL, S., F. L. VICINO, & R. S. ANDREWS. Human Factors Research in Command Information Processing Systems. Army Personnel Research Office, Washington, D.C., Mar. 1966, 27 p. Report no. 1145 (AD-634 313)
1399. RITCHEY, J. F. A Phone with a Built-In Directory. Bell Lab. Rec., 44 (Jan. 1966) 24-27.
1400. ROBINSON, A. M. LEWIN. Systematic Bibliography. Shoe String Press, Hamden, Conn., 1966, 100 p.  
(ROBINSON, HERBERT W. see Ref. 1032 c)  
(ROBINSON, JANE J. see Ref. 1250 o)
1401. ROMNES, H. I. Managing the Information Revolution. Int. Bus. Automat., 3 (Oct./Nov. 1966) 30-.  
(ROSENBLUM, MARCUS see Ref. 1250 gg)  
(ROSENFELD, AZRIEL see Ref. 1361 b)
1402. ROSENFELD, SAM A. & ANNE H. ROSENFELD. A Put-List for Enhanced Communication. Datamation, 12 (Oct. 1966) 49.
1403. Roster of Software Suppliers. Comput. Automat., 15 (June 1966) 56-57.
1404. ROTHERY, BRIAN. The Evaluation of Information. Data Process. Mag., 8 (May 1966) 58-59.
1405. ROTHERY, BRIAN. Information and Abstraction. Data Process. Mag., 8 (June 1966) 34-35.
1406. ROTHERY, BRIAN. Information and the Auditor. Data Process. Mag., 8 (Aug. 1966) 58-59.
1407. ROTHERY, BRIAN. Noise in the Information System. Data Process. Mag. 8 (Feb. 1966) 40-41, 49.
1408. ROTHERY, BRIAN. The Repositories of Information. Data Process. Mag., 8 (Mar. 1966) 44-45.
1409. ROTHERY, BRIAN. The Shapes of Information. Data Process. Mag., 8 (Apr. 1966) 64-65, 78.

1410. ROTHERY, BRIAN. A Viewpoint in Systems Design. Data Process. Mag., 8 (Sept. 1966) 54-55.
1411. ROTHMAN, JOHN. Communicating with Indexes. Spec. Libr., 57 (Oct. 1966) 569-570.
- (ROTHSTEIN, SAMUEL see Ref. 1250 i)
- (ROY, P. B. & GANESH BHATTACHARYYA see Ref. 1271 i)
1412. RUBIN, J. Optimal Classification into Groups: An Approach for Solving the Taxonomy Problem. Unpublished IBM report. March 1966.
1413. RUBINOFF, MORRIS. A Rapid Procedure for Launching a Microthesaurus. IEEE Trans. Eng. Writ. Speech, EWS-9 (July 1966) 8-14.
- (RUBINOFF, MORRIS see also Ref. 1163 e)
1414. RUSSELL, J. Training for Librarianship. Libr. Ass. Rec., 68 (Feb. 1966) 36-41.
1415. SAGE, C. R. Comprehensive Dissemination of Current Literature. Amer. Doc., 17 (Oct. 1966) 155-177.
- (SALTON, GERARD see Refs. 1123 a, 1220 $\lambda$ , & 1250 u)
- (SALTON, GERARD & M. E. LESK see Ref. 1123 d)
- (SAMUELS, JULIUS A. see Ref. 1443 hhh)
1416. SARAF, B. N. Special Library Movement in United States. Herald Libr. Sci., 5 (Apr. 1966) 129-135.
1417. SASS, MARGO A. & WILLIAM D. WILINSON (eds.) Symposium on Computer Augmentation of Human Reasoning, June 16-17, 1964, Department of State, Washington, D.C. Spartan Books, Inc., Washington, D.C.; Macmillan and Co., Ltd., London, 1965, 235 p. Contents:
- a. SELFRIDGE, OLIVER. Reasoning in Game Playing by Machine, p. 1-12.
  - b. CARTER, ELTON S. Experimental Heuristics as an Approach in Problem Solving, p. 13-23.
  - c. SIMON, HERBERT A. & ALLEN NEWELL. Heuristic Problem Solving by Computer, p. 25-35.



25 November 1966

-64-

TM-3008/003/00

1417. SASS, MARGO A. & WILLIAM D. WILKINSON (eds.) Symposium on Computer Augmentation of Human Reasoning. (Continued)
- d. MESAROVIC MIHAJLO D. Toward a Formal Theory of Problem Solving, p. 37-64.
  - e. CULLER, GLENN J. & BURTON D. FRIED. The TRW Two-Station, On-Line Scientific Computer, p. 65-87.
  - f. BITZER, DONALD L. & PETER G. BRAUNFELD. PLATO: A Computer-Controlled Teaching System, p. 89-103.
  - g. PRYWES, NOAH S. Browsing in an Automated Library Through Remote Access, p. 105-130.
  - h. FANO, ROBERT M. The MAC System: A Progress Report, p. 131-150.
  - i. WILCOX, RICHARD H., JORDAN J. BARUCH, RUTH M. DAVIS, JOHN PATRICK HAVERTY, & JOHN E. WARD. Potential Implementation -- A Panel Discussion, p. 151-187.
  - j. LIBRARY OF CONGRESS. SCIENCE AND TECHNOLOGY DIVISION. Selected References on Heuristic Programming, Machine Learning, and Related Studies on Theories and Techniques of Computer Augmentation of Human Reasoning, A Representative Bibliography, p. 189-231.
1418. Satellite Computer Links Foreseen by President of Western Union. Manage Serv., 3 (Sept.- Oct. 1966) 7-8.
1419. SCHANE, S. A. A Schema for Sentence Coordination. MITRE Corp., Bedford, Mass., Aug. 1966, 64 p. (MTP-10) (AF. ESD. TR-66-305)
- 'SCHICK, F. L. see Ref. 1394 f)
1420. SCHICK, F. L. & A. F. TREZZA. National Conference on Library Statistics. ALA Bull., 60 (May 1966) 499-500.
- (SCHIFFLER, RICHARD J. see Ref. 1354 dd)
1421. Schizophrenia Reading Made Easy with Lafayette Clinic's Selective Dissemination of Information (SID) Program. J. Data Manage., 4 (Oct. 1966) 32-35.
- (SCIBOR-MARCHOCKI, R. I. see Ref. 1183 f)

25 November 1966

-65-

TM-3008/003/00

1422. SCOTT, PETER R. Microfilm Norms; Recommended Standards for Libraries. Prepared by the Library Standards for Microfilm Committee of the Copying Methods Section, Resources and Technical Services Div., American Library Assoc. Peter R. Scott, Chairman. American Library Assoc., Chicago, 1966, 48 p.
- (SELDEN, WILLIAM K., LEON CARNOVSKY, & GRIEG ASPNES see Ref. 1394 g)
- (SELFRIDGE, OLIVER see Ref. 1417 a)
1423. The Service Bureau -- Everybody's Data Processing Department. Bus. Automat., 13 (Sept. 1966) 30-35.
- (SESHACHALAM, C. see Ref. 1271 bb)
- (SHAH, P. R. see Ref. 1271 w)
1424. SHAIN, CHARLES H. Conference Papers Logjam. [Letter] Libr. J., 91 (Aug. 1966) 3578, 3580.
- (SHARMA, P. GOPAL see Ref. 1271 r)
1425. SHARP, JOHN R. The SLIC Index [Brief Communication] Amer. Doc., 17 (Jan. 1966) 41-44.
1426. SHAW, CHRISTOPHER J. Computer Software: Developments and Recent Trends in Programming and Operating Systems. System Development Corp., Santa Monica, Calif., 26 Aug. 1966, 12 p. (SP-2582/000/00)
1427. SHAW, R. J. National Conference on Library Statistics. ALA Bull., 60 (July 1966) 727-728.
- (SHERA, JESSE H. see Refs. 1250 f & 1394 d)
- (SHIMBERG, H. LEE see Ref. 1443 vv)
1428. SHIPMAN, JOSEPH C. "Optimum Size" and the Large Science Research Library. Coll. Res. Libr., 27 (Sept. 1966) 354-357, 392.
1429. SHOSID, NORMA J. Freud, Frug, and Feedback. Spec. Libr., 57 (Oct. 1966) 561-563.
1430. SHOUP, JUNE E. Research on Grammatical Analysis of Spoken Language. Final Report 2 Feb. 1964 - 1 Feb. 1966. Communication Sciences Lab., Michigan Univ., Ann Arbor, 1 Feb. 1966, 14 p. AFOSR 66-1566 (AD-637 566)

(SHULMAN, JOEL J. see Ref. 1443 ff)

1431. SICKING, L. M. C. J. Automatisering ... Zonder Computers [Automation ... Without Computers]. Tijdschr. Effic. Doc., 36 (Mar. 1966) 167-169.

(SIEBERMAN, HOWARD S. see Ref. 1443 mm)

1432. SILVERN, LEONARD C. System Analysis and Synthesis in Training and Education, 25 p.

Reprinted from: Automated Education Handbook. Education and Training Consultants Co., Los Angeles, 1965.

1433. SIMMONS, F. F. On-Line Interactive Displays in Application to Linguistic Analysis and Information Processing and Retrieval. System Development Corp., Santa Monica, Calif., 6 Sept. 1966, 18 p. (SP-2432/001/00)

(SIMON, BEVERLY see Ref. 1032 k)

(SIMON, HERBERT A. & ALLEN NEWELL see Ref. 1417 c)

(SIMPSON, G. S., JR. see Ref. 1101 f)

(SIMPSON, HAROLD B. see Ref. 1443 x)

1434. Six National Library Associations Set Up Committee on Information Systems. Libr. J., 91 (July 1966) 3375.

1435. SKOLNICK, RAYMOND R. (comp.) New Patents [Pertaining to Computers and Associated Equipment from Official Gazette of the U.S. Patent Office]. Computer Automat., 15 (Jan. 1966-) monthly.

(SLAMECKA, VLADIMIR see Ref. 1250 ii)

1436. SLOANE, MARGARET N. The View from Management's Bridge. Spec. Libr., 57 (Oct. 1966) 564-565.

1437. SLOANE, RICHARD. Application of Mechanical Devices to Processing in Private Law Libraries. Law Libr. J., 59 (Feb. 1966) 23-29.

(SMITH, FRANK R. see Ref. 1443 )

1438. SMITH, J. L. MICRO: A Strategy for Retrieving, Ranking, and Qualifying Document References. System Development Corp., Santa Monica, Calif., 15 Jan. 1966, 17 p. (SP-2289)

(SMITH, JOHN MAYNARD see Ref. 1180 h)

1439. SMITH, R. H. Melodramatic World of Librarians and Copyright; Report of ALA Copyright Workshop. Publ. Week., 190 (1 Aug. 1966) 40; Discussion, 190 (15 Aug. 1966) 22-23.
1440. SMITH, ROBERT M. How to Automate a Hospital. Manage. Serv., 3 (July - Aug. 1966) 48-53.
1441. SMOKLER, H. Informational Content: A Problem of Definition. J. Phil., 63 (14 Apr. 1966) 201-211.
1442. SNEDIKER, JAMES M. A Generalized Program for Information Retrieval. Systems Research Center, Case Institute of Technology, Cleveland, Ohio [1965?] 131 p. (SRC 77-A65-29)
1443. SOCIETY OF TECHNICAL WRITERS AND PUBLISHERS. 1966 STWP Convention Proceedings, May 11-14, Fort Worth, Tex. Columbus, Ohio, 1966, 1 vol. Contents:
- a. FISKIN, A. M. I. A Program for Accrediting Technical Writers.
  - b. MITCHELL, JOHN H. The British Scheme for Accrediting Technical Writers.
  - c. STODDARD, EDMUND. Are We A Professional Organization?
  - d. CHILES, WILLIAM R. Data Processing Applications for Typographic Composition.
  - e. WILLIAMS, MARTHA E. People, Machines, and Information Retrieval.
  - f. HUBELBANK, SHERMAN H. Data Management: A New Approach to an Old Problem.
  - g. MARTIN, ARTHUR C. Contractor Organization for Data Management.
  - h. BROUSE, ALBERT J. The Image of Professionalism - Inflated Writing.
  - i. LIGHT, ISRAEL. A New Emphasis in Training Technical Writers and Editors.
  - j. O'BANION, ALTON E. Technical Writing Goes to High School.

1443. SOCIETY OF TECHNICAL WRITERS AND PUBLISHERS. 1966 STWP Convention. (Cont'd)

- k. PORTE, MICHAEL. An Interdisciplinary Graduate Program.
- l. SMITH, FRANK R. On the Teaching of Practical Technical Writing.
- m. WINTERHALTER, CONRAD R. Technical Communications in a Two-Year Degree Program.
- n. HIRD, EDWIN A. New Trends in Technical Drawing - What they Mean to the Graphics Specialist.
- o. KIRKPATRICK, JAMES. A Line Conversion Method for Drawing Exploded Views.
- p. LOCKRIDGE, PRESTON. Visual Communications in Perspective.
- q. SULLY, EDWIN J. Down-to-Earth Publication Methods in an Outer Space World.
- r. TUBBS, DOUGLAS C. ILLUSTRATIONS - The Pulse of Communications.
- s. BUEHLER, MARY FRAN. Similarities and Differences: A Key to Clarity.
- t. BUSH, DON. Data Poisoning and Sex - The Problem of Making the Reader Read What we Write.
- u. COHEN, GERALD I. G I's Predictions for 1966.
- v. KLEIN, LAWRENCE R. Wordwise in Jargonland: An Examination of Writing Problems in the Social Sciences.
- w. MONTAGUE, JOSEPH F. The Most Successful Communicator of Modern Times: Albert Schweitzer.
- x. SIMPSON, HAROLD B. Characteristic Grammatical Structures of Scientific Writing.
- y. STURGES, CLARK S. Symbolic Shorthand: The Linguistic Emphasis of the Space Age.
- z. CAIRD, HELEN G. A Cost Collection System for Technical Publications.

1443. SOCIETY OF TECHNICAL WRITERS AND PUBLISHERS. 1966 STWP Convention. (Cont'd)

- aa. CHUTE, ARLEIGH. How to Modernize Technical Communications in Your Company.
- bb. HEMPLING, NORMAN W. Effective Guidelines to Subcontracting.
- cc. KIZER, LES J. Can We Sell Our Services?
- dd. MALCOLM, ANDREW. Use of Contract Labor for Technical Writing.
- ee. MILLER, JOHN R. Go First Class and Save Money.
- ff. SHULMAN, JOEL J. Integrating Corporate Technical Communications.
- gg. TEPLITZ, ARTHUR. Publication Cost Analysis Techniques.
- hh. WHITE, MYRON L. Promote an Environment for Good Technical Writing.
- ii. CHILD, JOSEPH M. Interdependence of Maintenance Support and Technical Manuals in the U.S. Army Electronics Command.
- jj. ELDRIDGE, ROBERT P. Our Hide 'N' Seek Tech Manuals.
- kk. MARKS, WILLIAM H. Improved Equipment Manuals - A Major Key to Combat Effectiveness.
- ll. MORGAN, OLIVER B. Matching for Dollars.
- mm. SIEBERMAN, HOWARD C. Integrating Trouble Shooting and Maintenance Data (ITSMAD) for the Organizational Maintenance Technician.
- nn. TRINER, EDWIN G. PIMO - Retrospect and Prospect.
- oo. DOWNING, CARLTON B. Writing Teaching Programs [Abstract]
- pp. KELLY, R. DAVID. Military Application of Programmed Instruction. [Abstract]
- qq. OFIESH, GABRIEL D. Programmed Instruction Technology in Military and Industrial Training and Education [Abstract]
- rr. QUINN, A. K. Programmed Instruction Revisited.

1443. SOCIETY OF TECHNICAL WRITERS AND PUBLISHERS. 1966 STWP Convention. (Cont'd)

- ss. BECK, CLARK E. Evaluation of Research and Development Proposals.
- tt. HANKINS, EVELYN L. How the Technical Writer Can 'Win' a Small Proposal.
- uu. JULLIARD, L. G. Proposal Evaluation in the Aerospace Industry.
- vv. SHIMBERG, H. LEE. What's Wrong with Proposals for Technical Manuals.
- ww. TRACHTMAN, LEON E. Patterns of Funding for Research and the Technical Writer.
- xx. ULLMAN, LOUIS L. Shortcuts to Effective Proposals.
- yy. WOOSTER, HAROLD. The Preparation of Unsolicited Research Proposals.
- zz. ADKINSON, BURTON W. Scientific and Technical Information Activities in the National Science Foundation.
- aaa. BERRY, JOHN M. DDC...Your Partner in R and D.
- bbb. FRY, BERNARD M. The U.S. Clearinghouse for Federal Scientific and Technical Information.
- ccc. PIGEON, ROBERT F. Atomic Energy Commission Information Sources for the Technical Writer.
- ddd. HECHTMAN, HAROLD. A Case History - In Motivating Engineering Writing.
- eee. HICKS, TYLER G. How to Plan and Write Technical Books [Abstract]
- fff. MICHAELSON, HERBERT B. The Incremental Method of Writing Engineering Papers.
- ggg. OLSON, DEWEY E. & RAY A. LEE. Interpretative Technical Reporting.
- hhh. SAMUELS, JULIUS A. An Objective Method of Instructional Writing.

1443. SOCIETY OF TECHNICAL WRITERS AND PUBLISHERS. 1966 STWP Convention. (Cont'd)
- iii. TURNER, H. L. The Technical Capability Brochure.
  - jjj. WEBB, RAYMOND E. & JAMES E. GREGORY. A Cure for Writer's Cramp in Engineers.
  - kkk. HOLMES, JACK T. Can Creativity Overwhelm the Sales Message?
  - lll. DIETRICHSON, PETER W. K. The Technical Translator - Writer: Keystone in Today's Technical Communications.
  - mmm. STUNGEVICIUS, FELIX. Technical Writer's Role in Instant Communications Across Language Barriers.
1444. Solving the Name and Address Problem. Data Process., 8 (Mar.- Apr. 1966) 110-111.  
(SOMERS, LEWIS E. see Ref. 1354 q)
1445. SPAULDING, C. SUMNER (ed.) Anglo-American Cataloging Rules: North American Text. Prepared by the American Library Assoc., Library of Congress, the Library Assoc., and the Canadian Library Assoc. American Library Assoc., Chicago, 1966.
1446. SPEIGHT, F. Y. Engineering Society Cooperation in Improving Dissemination of Engineering Information. SAE--Paper 660123 for Meeting Jan. 10-14, 1966, 8 p.  
(SPILKER, J. J., JR. see Ref. 1183 d)  
(SRIVASTAVA, G. P. see Ref. 1271 / )  
(STAFFORD, R. A. see Ref. 1183 c)  
(STEINHART, ROBERT F. see Ref. 1032 k)
1447. ŠTEVERÁK, JIŘÍ. Splní Celostátní Konference o Stavu, Problémech a Úkolech Československé Informační Soustavy Náš Očekávání? [The National Conference about the Problems, Tasks and Current State of the Information System] Tech. Knih., 2 (1966) 33-39.  
(STEWART, R. M. see Ref. 1183 b)  
(STEWART, RICHARD D. see Ref. 1354 r)  
(STODDARD, EDMUND L. see Ref. 1443 c)



1448. STOKES, ROY. Bibliographical Control and Service. London House and Maxwell, New York, 1965, 125 p.
- (STONE, PHILIP J. see Ref. 1250 q)
- (STUNGEVICIUS, FELIX see Ref. 1443 mmm)
- (STURGES, CLARK S. see Ref. 1443 y)
1449. SUBBARAO, C. V. Nemesis Overtakes Subject Approach in the Stack. Herald Libr. Sci., 5 (Apr. 1966) 135-140.
- (SULLY, EDWIN J. see Ref. 1443 q)
1450. Survey of Information Centers. NSRDS News. Reprint from Tech News Bull. (NBS), 50 (Aug. 1966)
1451. Survey of Special Purpose Computers. Comput. Automat., 15 (June 1966) 95.
- (SWANK, RAYNARD C. see Ref. 1394 c)
- (SWANSON, DON R. see Ref. 1250 m)
1452. SWANSON, ROWENA. Tailoring Information Systems to People. Res. Rev., 5 (Apr. 1966) 5-6.
- (TALLEY, DALLAS L. see Ref. 1032 i)
1453. TANABE, KINZO. Some Projects of Mechanization of Information Processing at the Japan Information Center of Science and Technology (JICST). Presented at 11th Pacific Science Congress. Divisional Meeting; Science Information, 31 Aug. 1966, 10 p. (Preprint)
- (TAUBER, MURICE F. see Ref. 1228 e)
- (TELL, BJÖRN V. see Refs. 1250 h & t)
1454. Te NUYL, TH. W. Die Beurteilung von Systemen für das Wiederauffinden von Informationen in Organisatorischer Sicht. [Evaluation of Systems for Data Retrieval from the Organizational Viewpoint]. Nach. Dok., 17 (June 1966) 93-97.
- (TEPLITZ, ARTHUR see Ref. 1443 gg)

1455. Test Tapes for MARC Project Shipped. Libr. Congr. Inform. Bull., 25 (3 Nov. 1966) 683-685.
- (THILLAINAYAGAM, V. see Ref. 1271 k)
- (THOMAS, EDWIN N. & DUANE F. MARELE see Ref. 1361 d)
- (THOMPSON, JOHN I. see Ref. 1101 m)
- (THOMPSON, MORRELL see Ref. 1361 e)
- (THOMPSON, MORRIS M. see Ref. 1101 i)
1456. THURONYI, GEZA & MALCOLM RIGBY. Qualitative-Quantitative Evaluation of Geophysical Serials. American Meteorological Society, Meteorological and Geophysical Abstracts, Washington, D.C., Feb. 1966, 27 p. NSF Grant No. GN-390.
- (TILTON, H. B. see Ref. 1354 k)
1457. TIRTH, RAMA. Library Education in India and America. Herald Libr. Sci., 5 (Apr. 1966) 152-155.
1458. To Gather Information Scientifically. Engineering, 202 (22 July 1966) 140.
- (TOMAN, J. see Ref. 1250 n)
1459. TOTARO, J. BURT. Auerbach on Equipment: The Control Data 6000 Series. Data Process. Mag., 8 (Mar. 1966) 30-31, 34, 38-41.
1460. TOTARO, J. BURT. Auerbach on Equipment: RCA Spectra 70-- A Compatible Computer. Data Process. Mag., 8 (June 1966) 54-61.
- (TRACHTMAN, LEON E. see Ref. 1443 ww)
- (TRINER, EDWIN G. see Ref. 1443 nn)
- (TRUESWELL, RICHARD W. see Ref. 1366 d)
- (TUBBS, DOUGLAS C. see Ref. 1443 r)
- (TULLIER, PIERRE M. & THOMAS W. MASON see Ref. 1365 d)
- (TURNER, H. L. see Ref. 1443 iii)

1461. Two ALA Research Projects. Spec. Libr., 57 (Oct. 1966) 598.
1462. Two Library Advisory Groups Are Created by the President. Libr. Congr. Inform. Bull., 25 (8 Sept. 1966) 562-564.  
(ULLMAN, LOUIS L. see Ref. 1443 xx)
1463. USC Uses Computer to Translate Books into Braille Editions. Manage. Serv., 3 (Sept.- Oct. 1966) 13.
1464. UYTTERSCHAUT, L. Literature Searching Methods in Social Science Research: a Pilot Study. Amer. Behav. Sci., 9 (May 1966) 14+.  
(VARADARAJAN, M. see Ref. 1271 m)
1465. VERHOEFF, J. The Delft Circulation System. Libri, 16:1 (1966) 1-9.  
(VESSER, W. C. & J. A. PELLEGRINO see Ref. 1354 aa)
1466. VICKERY, B. C. The Future of Libraries in the Machine Age. Libr. Ass. Rec., 68 (July 1966)
1467. VICKERY, B. C. & D. J. SIMPSON. Future of Scientific Communication. Sci. J., 2 (July 1966) 80-85.
1468. VINSONHALER, JOHN F. Some Behavioral Indices of the Validity of Document Abstracts. Inform. Stor. Retr., 3 (Aug. 1966) 1-11.
1469. WAHLIN, EJNAR. Classification Systems and Their Subjects. Amer. Doc., 17 (Oct. 1966) 199-215.  
(WALDRON, HELEN J. see Ref. 1256 f)
1470. WALKER, J. R. A. Information Bulletins in Special Libraries: Background, Problems and Practice. Library Assoc., London, 1966, 128 p.
1471. WALKEY, ELIZABETH M. Communicating with Management. Spec. Libr., 57 (Oct. 1966) 565-568.
1472. WALTERS, A. H. & JAMES CHADWICK. Information Retrieval. Manuf. Chem., 37 (Mar. 1966) 48-49.
1473. Washington Report: National Data Bank Idea Threatens Individual's Privacy. Systems, 7 (Oct. 1966) 52, 48-51.

- (WEAVER, JAMES B. see Ref. 1055 l )
- (WEBB, RAYMOND E. & JAMES E. GREGORY see Ref. 1443 JJJ)
1474. WEBSTER, EDWARD. New Twists in Printout. Data Process. Mag., 8 (Mar. 1966) 46, 59.
1475. WEBSTER, EDWARD. Printout in Europe. Data Process. Mag., 8 (Aug. 1966) 60-61.
1476. WEBSTER, EDWARD. Why Use Custom Forms? Why Use Stock? Data Process. Mag., 8 (Feb. 1966) 32-33.
- (WEINER, JAMES H. see Ref. 1107 f)
1477. WEISMAN, HERMAN M. Recommendations for an Information Services Program for the Office of Standard Reference Data. Operations Research Incorporated, Silver Spring, Md., 31 Mar. 1966, 129 p.
1478. WEINSTEIN, S. JANE. Biological Dictionary Preparation, Control, and Maintenance. Amer. Doc., 17 (Oct. 1966) 190-198.
- (WEISS, HELMUT see Ref. 1354 ff)
- (WELCH, HELEN M. see Ref. 1228 c)
1479. WELLEMIN, SILVÈRE. Technique of Union Catalogues: a Practical Guide. UNESCO Bull. Libr., 20 (Jan. - Feb. 1966) 2-23.
1480. WELLISCH, H. The Catalogue Card Service of the Israel Library Association. Libr. Ass. Rec., 68 (May 1966) 166-168.
1481. WELLS, A. J. The Role of the British National Bibliography in the Application of Computers to Public Library Systems. Aslib Proc., 18 (Sept. 1966) 263-269.
- (WELT, ISAAC D. see Ref. 1101 a)
- (WESTFALL, T. B. see Ref. 1107 a)
1482. What is Software? Data Process., 8 (Mar. - Apr. 1966) 69-73.
1483. WHITE, E. E. Development and Information Services of BISRA (BISRA paper DIS/5/66). J. Iron & Steel Inst., 204 (Apr. 1966) 394-395.
- (WHITE, MYRON L. see Ref. 1443 hh)

25 November 1966

-76-

TM-3008/003/00

1484. WILCOX, H. W. & M. BLOOMFIELD. Library-User Communications on Periodical Literature. Spec. Libr., 57 (Oct. 1966) 559-560.  
  
(WILCOX, RICHARD H., JORDAN J. BARUCH, RUTH M. DAVIS, JOHN PATRICK HAVERTY, & JOHN E. WARD see Ref. 1417 i)
1485. WILLIAMS, G. C. Design of a Step-and-Repeat Microfiche Enlarger. Oak Ridge National Lab., Oak Ridge, Tenn., July 1966, 19 p.  
(ORNL-TM-1490)
1486. WILLIAMS, GORDON. Academic Librarianship: the State of the Art. Libr. J., 91 (15 May 1966) 2413-2418.  
  
(WILLIAMS, MARTHA E. see Ref. 1443 e)  
  
(WILLIAMS, T. M. see Ref. 1250 p)  
  
(WILSON, ROBERT A. see Ref. 1055 f)
1487. WILSON, T. D. & J. STEPHENSON. Dissemination of Information: an Examination Guidebook. Clive Bingley, London, 1966, 77 p.
1488. WINGER, HOWARD W. Theses and Reports Accepted by Graduate Library Schools in the United States and Canada: 1964-65. Libr. Quart., 36 (Jan. 1966) 38-47.  
  
(WINGERT, LOWELL F. see Ref. 1107 b)  
  
(WINTERFIELD, THOMAS see Ref. 1101 h)  
  
(WINTERHALTER, CONRAD R. see Ref. 1443 m)  
  
(WISHNER, RAY see Ref. 1250 jj)  
  
(WOELLNER, DAVID A. see Ref. 1032 u)
1489. WOOD, ELIZABETH INGERMAN. Report on Project History Retrieval; Tests and Demonstrations of an Optic-Coincidence System of Information Retrieval for Historical Materials. Sponsored jointly by the Henry Francis du Pont Winterthur Museum and Drexel Institute of Technology, Graduate School of Library Science with a grant by the Copeland-Andelot Foundation, Wilmington, Delaware. Graduate School of Library Science, Drexel Institute of Technology [Philadelphia] 1966, 123 p. (Drexel Library School Series, no. 14).
1490. WOOD, N. W. Abstracts and their Indexes; Style, Presentation and Uses. Aslib Proc., 18 (June 1966) 160-166.

1491. WOODS, R. G. Use of an I.C.T. 1907 Computer in Southampton University Library. Program, no. 1 (Mar. 1966) 1-3.  
(WOODWARD, P. M. see Ref. 1180 b)  
(WOOSTER, HAROLD see Ref. 1443 yy)
1492. XEROX CORPORATION. Xerox Systems and Services for Librarians. Rochester, N.Y., 24 p. (Brochure)
1493. YARPROUGH, L. EVERETT. The Florida Project: A System for Processing Educational Data Electronically. J. Educ. Data Process., 3 (Spring 1966) 58-66.
1494. YOUCHAH, MICHAEL I. An Introduction to Systems Analysis, Design, and Implementation. System Development Corp., Santa Monica, Calif., 22 Mar. 1965, 28 p.  
(YNGVE, VICTOR H. see Ref. 1220 m)
1495. ZIEGLER, JAMES R. Integration of Multiple, On-Line User Stations. Data Process. Mag., 8 (Aug. 1966) 46-48.
1496. ZIEGLER, JAMES R. Time Sharing and Software. Data Process. Mag., 8 (Sept. 1966) 38-40.

ABBREVIATIONS & INDEX FOR PERIODICALS CITED<sup>1</sup>

ADI Newslett.--American Documentation Institute Newsletter  
[665; 703; 774; 838; 846; 927]

Admin. Manage.--Administrative Management  
[867]

AIA Bull.--American Library Association Bulletin  
[189; 270; 699; 767; 802; 860] 1058; 1393; 1420; 1427

Amer. Antiq.--American Antiquity  
1060

Amer. Archiv.--American Archivist  
1131

Amer. Behav. Sci.--American Behavioral Scientist  
[206] 1150; 1178; 1259; 1330; 1464

Amer. Doc.--American Documentation  
[56; 108; 120; 134; 153; 158; 174; 235; 247; 252; 297; 299; 312; 314; 348;  
434; 461; 534; 615; 616; 657; 720; 758; 769; 868; 922] 1047; 1159; 1317;  
1415; 1425; 1469; 1478

Amer. Educ.--American Education  
[548]

Amer. J. Hosp. Pharm.--American Journal of Hospital Pharmacy  
[587; 593; 603; 636; 656; 757; 849; 923; 971]

Amer. J. Pathol.--American Journal of Pathology  
[292]

Amer. J. Pub. Health--American Journal of Public Health  
[479]

Amer. Polit. Sci. Rev.--American Political Science Review  
1056

Amer. Psychol.--American Psychologist  
[104; 328] 1373

Ann. Libr. Sci. Doc.--Annals of Library Science and Documentation  
[208; 245]

<sup>1</sup>References to items in Parts I and II of this bibliography are indicated by [ ].

Appl. Opt.--Applied Optics  
[26; 229]

Arch. Pathol.--Archives of Pathology  
[945]

Ariz. Law Rev.--Arizona Law Review  
[842]

Army Inform. Dig.--Army Information Digest  
[501]

Aslib Proc.--Aslib Proceedings  
[569; 613; 634; 791; 794] 1173; 1186; 1187; 1263; 1264; 1279; 1313; 1481;  
1490

Austral. Libr. J.--Australian Library Journal  
[110]

Automation  
[466; 505; 780]

Automaz. Automat.--Automazione e Automatism  
[979]

Babel  
[121]

Banking  
[560]

Battelle Tech. Rev.--Battelle Technical Review  
[441] 1106; 1248

Behav. Sci.--Behavioral Science  
1148; 1160; 1377

Bell Lab. Rec.--Bell Laboratories Record  
[943] 1399

Bibliogr. Doc. Terminol.--Bibliography, Documentation, Terminology  
[480]

BioScience  
[4] 1258

Books  
1209



Büch. Bild.--Bücherei und Bildung  
1168

Bull. Ass. Int. Doc.--Bulletin de l'Association Internationale des  
Documentalistes  
1337

Bull. At. Sci.--Bulletin of the Atomic Scientists  
[962]

Bull. Bibl. Fr.--Bulletin de Bibliothèques de France  
[283] 1054

Bull. Louisiana Libr. Assn.--Bulletin of the Louisiana Library Association  
[574]

Bull. Med. Libr. Ass.--Bulletin of the Medical Library Association  
[154; 575; 671; 782; 887; 888; 893; 907] 1040; 1182; 1275

Bull. Oper. Res. Soc. Amer.--Bulletin of the Operations Research Society  
of America  
1365

Bus. Automat.--Business Automation  
[8; 303] 1036; 1069; 1108; 1141; 1142; 1169; 1333; 1423

Bus. Manage.--Business Management  
[811]

Bus. Quart.--Business Quarterly  
[547]

Bus. Week--Business Week  
[532; 610; 673; 733] 1147

Chart. Mech. Eng.--Chartered Mechanical Engineering  
[557]

Chem. Brit.--Chemistry in Britain  
[729]

Chem. Can.--Chemistry in Canada  
[319]

Chem. Eng.--Chemical Engineering  
[516] 1364

Chem. Eng. News--Chemical and Engineering News  
[724] 1078; 1079

25 November 1966

-81-

TM-3008/003/00

Chem. Eng. Progr.--Chemical Engineering Progress  
[531; 644]

Chem. Lit.--Chemical Literature  
[487]

City Univ. N. Y. Grad. Newslett.--City University of New York Graduate  
Newsletter  
[446]

Civil Eng.--Civil Engineer  
[639]

Coll. Res. Libr.--College & Research Libraries  
[79; 93; 115; 248; 275; 279; 304; 357; 385; 450; 522; 545; 604; 618; 655;  
679; 756; 759; 776; 827; 876] 1049; 1093; 1228; 1428

Columbia J. World Bus.--Columbia Journal of World Business  
[751]

Commer. Vehic.--Commercial Vehicles  
[743]

Commun. ACM--Communications of the Association for Computing Machinery  
[21; 22; 30; 36; 57; 64; 101; 106; 330; 331; 366; 395; 396; 397; 398; 437;  
453; 460; 482; 494; 523; 556; 582; 652; 702; 771]

Comput. Automat.--Computers & Automation  
[530; 650] 1050; 1070; 1112; 1115; 1210; 1311; 1369; 1388; 1435; 1451

Comput. Bull.--Computer Bulletin  
[807]

Comput. Data Process. News--Computers & Data Processing News  
[306]

Comput. Design--Computer Design  
[415]

Comput. J.--Computer Journal  
[588; 805] 1291

Contr. Eng.--Control Engineering  
[591]

Cybernetica (Namur)  
1270

25 November 1966

-82-

TM-3008/003/00

D. C. Libr.--D. C. Libraries  
[1004]

Data  
[822]

Data Process.--Data Processing  
1048; 1094; 1143; 1249; 1331; 1350; 1444; 1482

Data Process. Educ.--Data Processing for Education  
[788; 1018]

Data Process. Mag.--Data Processing Magazine  
[70; 278; 321; 410; 948] 1061; 1114; 1144-1446; 1230-1232; 1360; 1363; 1375;  
1384; 1385; 1391; 1404-1410; 1459; 1460; 1476-1478; 1495; 1496

Datamation  
[37; 45; 80; 196; 200; 268; 350; 373; 553; 565; 589; 623; 645; 662; 732;  
806; 911; 935; 940; 941; 959; 1006] 1039; 1077; 1172; 1234; 1329; 1336; 1347;  
1402

Design Compon. Eng.--Design & Components in Engineering  
[817]

Design Electron.--Design Electronics  
[519]

Digital Comput. Newslett.--Digital Computer Newsletter  
[722; 736]

Discovery--Discovery  
[761]

Drexel Libr. Quart.--Drexel Library Quarterly  
[51; 68; 88; 113; 114; 179; 213; 250; 254; 349; 452]

Dun's Rev. Mod. Indus.--Dun's Review and Modern Industry  
[884]

Economist  
1113; 1282

EDP Weekly  
1357

Ekon. Gaz. (USSR)--Ekonomicheskaya Gazeta (USSR)  
[663]

25 November 1966

-83-

TM-3008/003/00

Electr. World--Electrical World  
[635]

Electron. Eng.--Electronic Engineering  
[906]

Electron. Ind.--Electronic Industries  
[692; 810; 854] 1194

Electron. Power--Electronics and Power  
[1013]

Electronics  
[164; 708; 880; 904]

Elektrotehnika (USSR)  
[5]

Engineer  
[988]

Engineering  
[579; 949] 1458

Ergonomics  
[711] 1310

Fin. Exec.--Financial Executive  
[630; 989]

Fomento (Lisbon)  
[430]

Food Eng.--Food Engineering  
[996]

For. Develop. Mach. Transl. Inform. Process.--Foreign Developments in Machine  
Translation and Information Processing  
[746] 1266

Found. Lang.--Foundations of Language  
1278

Gac  
[672]

Grid-Bull.--Grid-Bulletin  
[719; 778]

Harvard Bus. Rev.--Harvard Business Review  
501; 754]

Herald Libr. Sci.--Herald of Library Science  
271] 1089; 1271; 1416; 1449; 1457

Horn Book Mag.--Horn Book Magazine  
344

Hosp. Progr.--Hospital Progress  
381

Human Fact.--Human Factors  
241

ASLIC Bull.--Indian Association of Special Libraries and Information  
Centres Bulletin  
283

ATUL Proc.--International Association of Technical University Libraries  
Proceedings  
154; 1158; 1340

IBM J. Res. Develop.--IBM Journal of Research and Development  
27]

IBM Nach.--IBM Nachrichten  
281

IEEE Proc.--IEEE Proceedings  
366]

IEEE Spectrum  
18; 129; 251; 295; 296; 374; 422; 458; 464; 470; 637; 856; 870] 1107; 1124;  
149; 1240

IEEE Trans. Electron. Comput.--IEEE Transactions on Electronic Computers  
33; 94; 136; 170; 333]

IEEE Trans. Eng. Manage.--IEEE Transactions on Engineering Management  
117]

IEEE Trans. Eng. Writ. Speech--IEEE Transactions on Engineering Writing  
and Speech  
301] 1413

IEEE Trans. Hum. Factors Electron.--IEEE Transactions on Human Factors  
and Electronics  
505]

IEEE Trans. Microwave Theory Tech.--IEEE Transactions on Microwave Theory  
and Techniques  
[1021]

Illinois Libr.--Illinois Libraries  
1174

Ind. Electron.--Industrial Electronics  
1312

Ind. Res. News--Industrial Research News  
[924]

Indexer  
[23; 24; 74; 100; 226; 317; 393]

Inform. Control.--Information and Control  
[52; 576]

Inform. Display--Information Display  
[195] 1038; 1045; 1133; 1134; 1214; 1242; 1268; 1306; 1327; 1348; 1354;  
1374

Inform. Retr. Lett.--Information Retrieval Letter  
[481; 831]

Inform. Stor. Retr.--Information Storage and Retrieval  
1189; 1468

Inspel  
1323; 1326

Int. Bus. Automat.--International Business Automation  
1401

Int. Com.--International Commerce  
[985]

Int. Sci. Technol.--International Science and Technology  
[15; 123; 370; 463; 706; 707] 1325

Iron Age  
[908]

J. Account.--Journal of Accountancy  
[748]

25 November 1966

-86-

TM-3008/003/00

J. Amer. Coll. Health Assn.--Journal of the American College Health Association  
[552]

J. Ass. Comput. Mach.--Journal of the Association for Computing Machinery  
[768]

J. Chem. Doc.--Journal of Chemical Documentation  
[65; 67; 109; 177; 210; 272; 282; 284; 473; 487; 664; 669; 728; 813; 832; 903; 921; 942; 997; 1008; 1019] 1044; 1176; 1222; 1226

J. Chem. Educ.--Journal of Chemical Education  
[225]

J. Commun.--Journal of Communication  
1334

J. Data Manage.--Journal of Data Management  
1421

J. Doc.--Journal of Documentation  
[72; 197; 511; 542; 643; 691; 760; 773; 795; 892; 896; 909; 1006; 1011]

J. Educ. Data Process.--Journal of Educational Data Processing  
1027; 1493

J. Exp. Psychol.--Journal of Experimental Psychology  
[793; 915]

J. Iron Steel Inst.--Journal of the Iron and Steel Institute  
1378; 1483

J. Libr. Hist.--Journal of Library History  
[539] 1379

J. Math. Anal. Appl.--Journal of Mathematical Analysis and Applications  
[513]

J. Med. Ass. Alabama--Journal of the Medical Association of the State of Alabama  
[818]

J. Med. Educ.--Journal of Medical Education  
[712]

J. Optic. Soc. Amer.--Journal of the Optical Society of America  
716]

J. Petrol. Technol.--Journal of Petroleum Technology  
[688]

J. Phil.--Journal of Philosophy  
1441

J. Psychol.--Journal of Psychology  
[301]

Karger Gaz.--Karger Gazette  
1254

Knihovnik (Prague)  
[249]

Lancet  
[515]

Laryngoscope  
[525]

Law Libr. J.--Law Library Journal  
1437

Libr. Ass. Rec.--Library Association Record  
[322; 471; 543] 1066; 1233; 1414; 1466; 1480

Libr. Congr. Inform. Bull.--Library of Congress Information Bulletin  
1034; 1066; 1100; 1104; 1116; 1119; 1207; 1208; 1229; 1243; 1298; 1320;  
1342; 1343; 1352; 1359; 1396; 1455; 1462

Libr. J.--Library Journal  
[3; 29; 323; 341; 420; 483; 484; 499; 500; 502; 507; 514; 538; 540; 551;  
572; 573; 627; 637; 651; 658; 661; 666; 668; 740; 744; 779; 783; 790; 815;  
830; 835; 836; 872; 882; 899; 918; 939; 972; 995] 1035; 1052; 1087; 1130;  
1179; 1218; 1225; 1265; 1322; 1338; 1355; 1424; 1434; 1486

Libr. Quart.--Library Quarterly  
[546] 1488

Libr. Resour. Tech. Serv.--Library Resources & Technical Services  
[32; 82; 85; 92; 132; 133; 137; 167; 209; 218; 238; 263; 267; 274; 332; 353;  
384; 405; 429; 448; 451; 465; 858; 929; 952] 1074; 1088; 1102; 1135; 1167;  
1200; 1202; 1292; 1308

Libr. Rev.--Library Review  
1277



25 November 1966

-88-

TM-3008/003/00

Libr. Sci. Slant Doc.--Library Science with a Slant to Documentation  
[527] 1387

Libr. Trends--Library Trends  
[697]

Libr. World--Library World  
[116] 1153; 1223

Libri  
1284; 1465

Mach. Design--Machine Design  
1053; 1303

Magyar Tud. (Hungary)--Magyar Tudomány (Hungary)  
[862]

Manage. Account.--Management Accounting  
1071

Manage. Rev.--Management Review  
[642; 710]

Manage. Serv.--Management Services  
1023; 1073; 1091; 1105; 1118; 1241; 1339; 1418; 1440; 1463

Manitoba Med. Rev.--Manitoba Medical Review  
[695]

Manuf. Chem.--Manufacturing Chemist  
1109; 1472

Manuf. Chem. Aerosol News--Manufacturing Chemist and Aerosol News  
1246

Maroc Med.--Maroc Medicine  
[676]

Mashinostroitel  
1386

Mater. Design Eng.--Materials in Design Engineering  
[675]

Mech. Eng.--Mechanical Engineering  
[886] 1253

25 November 1966

-89-

TM-3008/003/00

Metal Finish.--Metal Finishing  
[631]

Metalwork. Prod.--Metalworking Production  
[816]

Meth. Inform. Med.--Methods of Information in Medicine  
[50; 102; 130; 152; 159; 169; 302; 375; 383; 476] 1273

Missouri Med.--Missouri Medicine  
[291]

Mod. Photograph.--Modern Photography  
[931]

M.U.L.L.--Modern Uses of Logic in Law  
1237

Music Libr. Ass. Notes--Music Library Association Notes  
1293

Nach. Dok.--Nachrichten für Dokumentation  
[118; 139; 142; 155; 180; 324; 381; 386; 412; 426] 1051; 1181; 1194; 1349;  
1383; 1454

Nat. Ass. Sci. Writers Newslett.--National Association of Science Writers  
Newsletter  
[329]

Nat. Bur. Stand. Tech. News Bull.--National Bureau of Standards Technical  
News Bulletin  
[829; 958]

Nat. Micro-News--National Micro-News  
[40] 1193

Nature  
[233; 359]

Nauch.-Tekh. Inform.--Nauchno-Tekhnicheskaya Informatsiya (USSR)  
[632; 925; 1014] 1266

Nauka Zhizn--Nauka i Zhizn (U.S.S.R.)  
[377]

Navy Manage. Rev.--Navy Management Review  
[637]

N. C. Libr.--North Carolina Libraries  
130+

25 November 1966

-90-

TM-3008/003/00

New Engl. J. Med.--New England Journal of Medicine  
[39]

New Repub.--New Republic  
1397

New Sci.--New Scientist  
1211

NSRDS News--National Standards Reference Data Systems News  
[829; 958] 1086; 1110; 1450

Occup. Psychol.--Occupational Psychology  
[86]

Off. Equip.--Office Equipment  
1380

Off. Meth. Mach.--Office Methods and Machines  
1272

Office  
[1002]

Ohio Libr. Ass. Bull.--Ohio Library Association Bulletin  
1358

OMKDK Modsz. Kiadv.--OMKDK Módszertani Kiadványok  
1376

Patent (USSR)  
[25]

Percept. Motor Skills--Perceptual and Motor Skills  
[685]

Percolator  
[6; 55; 168; 428]

Phys. Today--Physics Today  
[31; 269; 457; 541; 865; 984] 1192

Planovoe Khoz.--Planovoe Khozyaistvo (USSR)  
[746]

PINLA Quart.--PINLA [Pacific Northwest Library Ass.] Quarterly  
1257

Postgrad. Med. J.--Postgraduate Medical Journal  
[592; 696]

Print in Brit.--Print in Britain  
1260

Print. Technol.--Printing Technology  
[626]

Probl. Pered. Inform. (USSR)--Problemy Peredachi Informatsii (USSR)  
[986]

Prod. Eng.--Product Engineering  
[81; 503; 611; 739; 824; 881; 983]

Program  
1301; 1491

Psychol. Reports--Psychological Reports  
[701]

Publ. Week.--Publisher's Weekly  
[581; 605; 628; 784; 789] 1439

Pulp & Paper Mag. Can.--Pulp and Paper Magazine of Canada  
[49]

Quart. J. Libr. Cong.--Quarterly Journal of the Library of Congress  
[526]

Radio Electron. Eng.--Radio & Electronic Engineer  
[834]

Radiology  
[975]

Read. Dig.--Reader's Digest  
[734]

Recent Develop. (CLR)--Recent Developments (Council on Library Resources)  
[16; 35; 191; 192; 193; 194; 244; 356; 358; 382; 401; 432; 509; 682; 683;  
738; 845; 993] 1127

Res./Develop.--Research/Development  
[87; 690]

Res. Rev.--Research Review (Office of Aerospace Research)  
[964] 1452

Res. Lab. Bull.--Research Laboratory Bulletin (General Electric Co.)  
[409]

Rev. Int. Doc.--Revue Internationale de la Documentation  
[125; 171; 231; 325]

Sat. Rev.--Saturday Review  
[961]

Sci. Amer.--Scientific American  
[800; 828; 851; 871; 951; 957; 960] 1120; 1165; 1171; 1197; 1302

Sci. Inform. Notes--Scientific Information Notes  
[537; 561; 578; 607; 608; 625; 638; 640; 654; 735; 786; 787; 825; 848; 885;  
900; 901; 926; 974; 991; 992]

Sci. J.--Science Journal  
1372; 1467

Sci-Tech News  
[91; 260; 415; 891; 894; 953]

Science  
[1; 2; 53; 157; 162; 305; 344; 345; 468; 478; 486; 517; 599; 624; 684; 686;  
777; 814; 857; 864; 878; 936; 980; 1017] 1022; 1076; 1203; 1307; 1335

SDC Mag.--SDC Magazine  
[402; 559]

Signal  
[677]

Southeast. Libr.--Southeastern Librarian  
[205]

Sovet. Belorussiya--Sovetskaya Belorussiya (USSR)  
1386

Spec. Libr.--Special Libraries  
[7; 12; 13; 38; 41; 48; 60; 61; 62; 63; 90; 95; 112; 119; 126; 130; 146;  
204; 214; 215; 216; 217; 236; 240; 253; 264; 265; 266; 273; 286; 289; 294;  
327; 352; 354; 355; 360; 361; 363; 367; 399; 407; 414; 419; 454; 456; 521;  
536; 557; 574; 770; 890] 1037; 1046; 1096; 1137; 1184; 1215; 1345; 1362;  
1411; 1429; 1436; 1461; 1471; 1484

Statist. Prax.--Statistische Praxis (East Germany)  
[772]

Steel  
[839; 883]

Stud. Cercet. Geofiz.--Studii si Cercetari de Geofizica  
[746]

Survey. Munic. Eng.--Surveyor and Municipal Engineer  
[563]

Syst. Proced. J.--Systems and Procedures Journal  
1026; 1042; 1151; 1236; 1283

Systems  
[11; 497; 506; 600; 617; 646; 723; 725; 730; 796; 799; 823; 843; 855; 866;  
879; 919; 956; 981; 982; 998] 1080; 1090; 1111; 1140; 1152; 1170; 1212; 1332;  
1356; 1473

TAPPI--TAPPI (Technical Association of the Pulp and Paper Industry)  
[766]

Tech. Knih.--Technicka Knihovna  
1382; 1447

Tech. News Bull. (NBS)--Technical News Bulletin (National Bureau of  
Standards)  
[829; 958] 1086; 1110; 1450

Tekh. Voor.--Tekhnika i Vooruzhenie (USSR)  
[764]

Textile Inst. Ind.--Textile Institute and Industry  
1395

Text. World--Textile World  
[844]

Tidschr. Dok. (Sweden)--Tidschrift för Dokumentation  
[293]

Tijdschr. Effic. Doc.--Tijdschrift voor Efficiëntie en Documentatie  
1431

Transfusion  
[718]

5 November 1966

-94-  
(last page)

TM-3008/003/00

JLA Libr.--UCLA Librarian  
204

JLA Med.--UCLA Medicine  
39

UNESCO Bull. Libr.--UNESCO Bulletin for Libraries  
462; 590; 689; 869; 928] 1245; 1346; 1479

Yazykoz.--Voprosy Yazykoznaniya  
98

Wall St. J.--Wall Street Journal  
121]

West. Union Tech. Rev.--Western Union Technical Review  
24]

Wilson Libr. Bull.--Wilson Library Bulletin  
187; 447; 577; 835; 874] 1117; 1121; 1328

Zentralbl. Bibl.--Zentralblatt für Bibliothekswesen  
85; 1316

Unclassified

Security Classification

**DOCUMENT CONTROL DATA - R&D**

*(Security classification of title, body of abstract and indexing annotation must be entered when the overall report is classified)*

<b>1 ORIGINATING ACTIVITY (Corporate author)</b> System Development Corporation San-a Monica, California		<b>2a. REPORT SECURITY CLASSIFICATION</b> Unclassified	
		<b>2b. GROUP</b>	
<b>3 REPORT TITLE</b> A Bibliography on Information Science and Technology for 1966. Part III.			
<b>4 DESCRIPTIVE NOTES (Type of report and inclusive dates)</b>			
<b>5 AUTHOR(S) (Last name, first name, initial)</b> Neeland, Frances			
<b>6 REPORT DATE</b> 25 November 1966		<b>7a. TOTAL NO OF PAGES</b> 94	<b>7b. NO. OF REFS</b>
<b>8a. CONTRACT OR GRANT NO.</b> ADI 65-1 and SDC Independent Research Project <b>b. PROJECT NO</b>		<b>9a. ORIGINATOR'S REPORT NUMBER(S)</b> TM-3008/003/00	
<b>c.</b> <b>d.</b>		<b>9b. OTHER REPORT NO(S) (Any other numbers that may be assigned this report)</b>	
<b>10 AVAILABILITY/LIMITATION NOTICES</b> Distribution of this document is unlimited			
<b>11 SUPPLEMENTARY NOTES</b>		<b>12. SPONSORING MILITARY ACTIVITY</b>	
<b>13 ABSTRACT</b> The primary aim of this continuing bibliography is to assist the authors of the chapters in "Annual Review of Information Science and Technology" in discovering the existence or determining the identity of documents relevant to their topics. The style of entries also reflects the author's requirements. The "Abbreviations and Index for Periodicals Cited" is cumulative for parts I through III.			



~~Classified~~  
Security Classification

KEY WORDS	LINK A		LINK B		LINK C	
	ROLE	WT	ROLE	WT	ROLE	WT
Bibliography Information Science National Science Foundation American Documentation Institute						

**INSTRUCTIONS**

**ORIGINATING ACTIVITY:** Enter the name and address of contractor, subcontractor, grantee, Department of Defense activity or other organization (*corporate author*) issuing report.

**REPORT SECURITY CLASSIFICATION:** Enter the overall security classification of the report. Indicate whether "Selected Data" is included. Marking is to be in accordance with appropriate security regulations.

**GROUP:** Automatic downgrading is specified in DoD Directive 5200.10 and Armed Forces Industrial Manual. Enter group number. Also, when applicable, show that optional groups have been used for Group 3 and Group 4 as authorized.

**REPORT TITLE:** Enter the complete report title in all letters. Titles in all cases should be unclassified. A meaningful title cannot be selected without classification. Title classification in all capitals in parentheses immediately following the title.

**DESCRIPTIVE NOTES:** If appropriate, enter the type of report, e.g., interim, progress, summary, annual, or final. Include inclusive dates when a specific reporting period is indicated.

**AUTHOR(S):** Enter the name(s) of author(s) as shown on the report. Enter last name, first name, middle initial, rank, and branch of service. The name of principal author is an absolute minimum requirement.

**REPORT DATE:** Enter the date of the report as day, month, year, or month, year. If more than one date appears on report, use date of publication.

**TOTAL NUMBER OF PAGES:** The total page count follows normal pagination procedures, i.e., enter the number of pages containing information.

**NUMBER OF REFERENCES:** Enter the total number of references cited in the report.

**CONTRACT OR GRANT NUMBER:** If appropriate, enter the contract number of the contract or grant under which report was written.

**PROJECT NUMBER:** Enter the appropriate department identification, such as project number, contract number, system numbers, task number, etc.

**ORIGINATOR'S REPORT NUMBER(S):** Enter the report number by which the document will be identified and controlled by the originating activity. This number must refer to this report.

**OTHER REPORT NUMBER(S):** If the report has been identified by any other report numbers (either by the originator or sponsor), also enter this number(s).

**AVAILABILITY/LIMITATION NOTICES:** Enter any limitation on further dissemination of the report, other than those

imposed by security classification, using standard statements such as:

- (1) "Qualified requesters may obtain copies of this report from DDC."
- (2) "Foreign announcement and dissemination of this report by DDC is not authorized."
- (3) "U. S. Government agencies may obtain copies of this report directly from DDC. Other qualified DDC users shall request through \_\_\_\_\_."
- (4) "U. S. military agencies may obtain copies of this report directly from DDC. Other qualified users shall request through \_\_\_\_\_."
- (5) "All distribution of this report is controlled. Qualified DDC users shall request through \_\_\_\_\_."

If the report has been furnished to the Office of Technical Services, Department of Commerce, for sale to the public, indicate this fact and enter the price, if known.

**11. SUPPLEMENTARY NOTES:** Use for additional explanatory notes.

**12. SPONSORING MILITARY ACTIVITY:** Enter the name of the departmental project office or laboratory sponsoring (paying for) the research and development. Include address.

**13. ABSTRACT:** Enter an abstract giving a brief and factual summary of the document indicative of the report, even though it may also appear elsewhere in the body of the technical report. If additional space is required, a continuation sheet shall be attached.

It is highly desirable that the abstract of classified reports be unclassified. Each paragraph of the abstract shall end with an indication of the military security classification of the information in the paragraph, represented as (TS), (S), (C), or (U).

There is no limitation on the length of the abstract. However, the suggested length is from 150 to 225 words.

**14. KEY WORDS:** Key words are technically meaningful terms or short phrases that characterize a report and may be used as index entries for cataloging the report. Key words must be selected so that no security classification is required. Identifiers, such as equipment model designation, trade name, military project code name, geographic location, may be used as key words but will be followed by an indication of technical context. The assignment of links, rules, and weights is optional.