

## 0 Form Divisions

### 01 Bibliographies

0762 012.3  
 Wheeler, J. (Comp.): **Indexing: a current-awareness bibliography, Pt.2.** (Orig. en). In: *Indexer* Vol.18, No.4 1993, p.247-258, 259 refs.  
 Contains items no.303-562 arranged in the alphabetical order of 23 main subject headings, beginning with "Automatic Indexing" and ending with "Thesauri". Under each such heading the sequence follows the names of authors. The references have short annotations.

### 02 Literature Reviews

0763 025  
 Stone, A.T.: **That elusive concept of aboutness: the year's work in subject analysis.** (Orig. en). In: *Libr.Resources & Techn.Serv.* Vol.37, No.3 1993, p.277-298, 5 p.  
 The survey has the following headings: Theoretical foundations, cataloguing practices, subject access in online environments, and specialized materials and topics. It is noted that the Ranganathan anniversary year has resulted in much literature devoted to classification theory and faceted classification systems.

0764 026  
 Zerbst, H.-J.; Kaptein, O.: **Gegenwärtiger Stand und Entwicklungstendenzen der Sacherschließung.** Auswertung einer Umfrage an deutschen wissenschaftlichen Bibliotheken. Present state and development trends of subject indexing. Evaluation of a questionnaire sent to German scientific and public libraries. (Orig. de). In: *Bibliotheksdienst* Vol.27, No.10 1993, p.1526-39, 1 ref.

### 04 Classification Systems & Thesauri

0765 042.1-en-39  
**UDC Auxiliary Table 1(e): Pt.3: Common Auxiliaries of place (5/9), Asia, Africa, the Americas, Pacific and circumpolar territories.** (Orig. en). Milton Keynes, GB: *Brit.Stand.Inst* 1993 L 64.80 BS1000: Auxiliaries

0767 048-26  
**New and revised Chemical Abstracts indexing terms - 1992.** (Orig. en). Columbus, OH: *Amer.Chem.Serv.* 1992, 42p.  
 The list is available free of charge from Chemical Abstracts Service, 2540 Olentangy River Road, PO Box 3012, Columbus, OH, USA.

0768 048-573  
**CEDEFOP Library and Documentation Service: Multilingual thesaurus of vocational training.** (Orig. 7 language). Luxembourg: *CEC. Off.f.Publ* 1992, XIX, 313p.  
 The thesaurus which was prepared under the supervision of Martina Ni Cheallaigh in collaboration with members of CEDEFOP's documentary network with technical assistance of TermNet, Vienna, comprises altogether 7 volumes, one for each language used (es, de, en, fr, gr, it, pt). The thesaurus has 1514 descriptors and 531 non-descriptors. Each volume has an alphabetical list of descriptors and non-descriptors with indication of the subject group to which a descriptor belongs. This is followed by a main part arranged in 17 subject groups, again in alphabetical order of terms in one language with their corresponding terms in the other languages. It contains also a permuted list of all descriptors.

0769 048-71/2  
**Informationszentrum des HWWA-Inst.f.Wirtschafts.: Thesaurus Wirtschaft.** Thesaurus on Economics. 2 Vols. (Orig. de). Hamburg, DE: *Verl.Weltarchiv* 1992, 1681p.

The second edition of this thesaurus was published in two parts: Vol.1: Systematic Pt., Vol.2: Alphabetical Pt.

0770 048-91/2, 213  
**MLA Bibliography Thesaurus.** (Orig. en). Arlington, VA: *SilverPlatter* 1992  
 The thesaurus of the Modern Language Association is now offered free of charge on CD-ROM to the subscribers of the bibliography. A permuted list of terms is available for selection of terms as well as searching with broader, narrower or related terms. The address of SilverPlatter Information Inc.: 1005 N.Glebe Road, Suite 605, Arlington, VA 22201.

0771 048-93  
 Friedrich, R. (Comp): **Kommision für Musikbibliotheken, DBI: Systematiken für Öffentliche Musikbibliotheken.** Classification Systems for Public Music Libraries. (Orig. de). Berlin, DE: *Dt.Bibl.Inst.* 1991, 251p.

The revision of the classification systems for music libraries was accomplished by a Working Group of a DBI Committee for Music Libraries in connection with the German AIBM-Group.

0773 048-94  
 Peterson, T.: **Art & Architecture Thesaurus. Supplement 1.** (Orig. en). New York, NY: *Oxford Univ.P.* 1992, 221p.  
 The first supplement includes new terms, deletions, and changes. List of sources used to support the changes.

0772 048-94.213  
**Art & Architecture Thesaurus: Authority Reference Tool.** (Diskette edition). (Orig. en). New York, NY: *Oxford Univ.P.* 1992, 2 disks  
 The 3 vols.of the AAT published 1990 and its supplement are now available on two diskettes designed to function with such software as dBASEIII or IV, Paradox, and WordPerfect. It can be used as an independent tool or as part of an integrated system. An thesaurus, a user manual, and a tutorial are included on the diskettes. Order from: Oxford University Press, Electronic Publishing, 200 Madison Ave., 9th floor, New York, NY 10016.

0774 048-961  
 Leech, R. (Comp.): et al.: **Thesaurus of Archaeological Site Types. 2nd ed..** (Orig. en). London, GB: *Royal Comm.* 1992, 213 p.  
 The Royal Commission on the Historical Monuments of England and English Heritage is the publisher of this informamtion retrieval thesaurus, in alphabetical order. It lists over 3000 terms.

0766 048.1  
**ASB-Klassifikation.** (Orig. de). Wiesbaden, DE: *C.& E.Becker* 1992, (Diskette)  
 The General Classification System for Public Libraries in Germany has been issued now on a 3,5 inch and 5,25 inch disk in the ASCII format.

### 05 Periodicals and Serials

0776 058-91  
**Linguistics and Language Behavior Abstracts (LLBA).** (CD-ROM issue). (Orig. en). Arlington, VA: *SilverPlatter* 1992  
 This abstracts service is based on the evaluation of 2000 serials worldwide and covers not only articles but also books, occasional papers and monographs, technical reports and dissertations and citations to book reviews. The database was started in 1973. It contained 120,000 records in 1992. A detailed classification scheme is used of 77 subject categories in 29 areas. The CD-ROM service is available from SilverPlatter Information Inc., 1005 N.Glebe Road, Suite 605, Arlington, VA, 22201, USA and 10 Barley Mow Passage, Chiswick, London W4 4PH, England.

- 0775 **05.814**  
**RSWK Mitteilungen.** Information Bulletin on the RSWK (German Rules for Subject Cataloging). (Orig. de). Berlin, DE: Dt.Bibl.Inst. 1988-, 10 p.  
 The Commission of the German Library Institute for Subject Analysis and Catalogue Management publishes in intervals its RSWK Mitteilungen as an annex to its journal Bibliotheksdienst. So far 6 numbers have appeared since 1988. No. 6 is devoted to the treatment of school-books and books for professional education schools.
- 06 Conference Reports, Proceedings**
- 0777 **06.90-03-25/27**  
 Johnson, R.D.: **Book review of Lancaster, F.W., Smith, L.C.(Eds.): Artificial intelligence and expert systems: Will they change the library.** Papers presented at the 1990 Clinic on Library Applications of Data Processing, March 25-27, 1992. Urbana-Champaign, IL: GSLIS, Univ. of Illinois 1991. (Orig. en). In: J.Doc. Vol.48, No.4 1992, p.446-447, 3 refs.
- 0778 **06.91-02-18, 311**  
 Gorman, M.: **Book review of Weinberg, B.H.(Ed.): Cataloguing Heresy: Challenging the Standard Bibliography Product.** Proc.Congress, Feb.18, 1991, St.John's Univ., Jamaica, NY. Medford, NJ: Learned Inform.1992. XII,217p.. (Orig. en). In: Int.Cat.& Bibliogr.Control Vol.22, No.2 1993, p.35
- 0779 **06.91-05-13/16**  
 Benediktsson, D.: **Book review of NISKO 91. International Conference on Knowledge Organization, Terminology and Information Access Management.** Bratislava, May 13-16, 1991. Bratislava: NISKO 1991 (available via INDEKS Verlag. 192p.. (Orig. en). In: Knowl.Org. Vol.20, No.3 1993, p.166-168
- 0780 **06.91-06-24/28**  
 Weinberg, B.H.: **Book review of Williamson, N., Hudon, M.(Eds.): Classification Research for Knowledge Representation and Organization: Proc.5th Inst.Study Conf.on CR.** Toronto, CA, June 24-28, 1991. Amsterdam: Elsevier 1992. 427p.. (Orig. en). In: J.Academic Librnship Vol.19, No.4 1993, p.251-2
- 0781 **06.91-11**  
 Clavel, G.: **Walther, F., Walther, J.: Indexation automatique de fonds bibliothéconomiques.** Automatic indexing of library science materials. (Orig. fr). In: ARBIDO-R Vol.8, No.1 1993, p.13-14  
 Report on a seminar on Documentation and Linguistics which took place in Paris, Nov.1991.
- 0782 **06.91-12-16/19**  
**(Papers of the World Congress on Expert Systems).** (Orig. en). In: Expert Syst.with Applications Vol.5, No.3/4 1992, p.185-478  
 Selected and expanded papers from the first World Congress on Expert Systems, held in Orlando, Florida, Dec.16-19, 1991. Out of 500 papers submitted for the congress, 92 were selected for presentation, out of which about 25 were selected for this issue. Jay Liebowitz, the chairman, introduces with a Conference Report.
- 0783 **06.91-12-16/19**  
 Liebowitz, J.: **The Feigenbaum Medal.**
- 0784 **06.91-12-16/19**  
 Feigenbaum, E.A.: **A personal view of expert systems: Looking back and looking ahead.**
- 0785 **06.91-12-16/19**  
 Forsythe, D.E.: **Buchanan, B.G.: Nontechnical problems in knowledge engineering: Implications for project management.**
- 0786 **06.91-12-16/19**  
 Long, J.M.: **Slagle, J.R. et al.: Implementing expert systems into ongoing data analyses.**
- 0787 **06.91-12-16/19**  
 Arai, K.: **Yamashita, Y., Mizoguchi, R.: A shell for signal interpretation expert systems.**
- 0788 **06.91-12-16/19**  
 Debenham, J.: **Expert systems designed for maintenance.**
- 0789 **06.91-12-16/19**  
 Fordyce, K.: **Dalton, D. et al.: Daily output planning: Integrating Operations Research, Artificial Intelligence, and Real-Time Decision Support with APL2.**
- 0790 **06.91-12-16/19**  
 Krallmann, H.: **Müller-Wünsch, M., Woitering, A.: CASA: A knowledge-based tool for management consultants.**
- 0791 **06.91-12-16/19**  
 Bench-Capon, T.: **Coenen, F.: Maintenance tools for knowledge-based systems: The MAKE Project.**
- 0792 **06.91-12-16/19**  
 Rada, R.: **Weigang, W., Birchall, A.: An expert text system for collaborative authoring.**
- 0793 **06.91-12-16/19**  
 Pham, D.T.: **Tacgin, E.: An expert system for selection of robot grippers.**
- 0794 **06.91-12-16/19**  
 Morgado, E.M.: **Martins, J.P.: Scheduling and managing crew in the Portuguese railways.**
- 0795 **06.91-12-16/19**  
 Cantu-Ortiz, F.: **Garcia-Espinoza, M.A.: An expert system for diagnosing problems in boiler operations.**
- 0796 **06.91-12-16/19**  
 Prerau, D.S.: **Papp, W.L.: TARGET expert systems for analysis and trouble resolutions of remote telecommunications equipment.**
- 0797 **06.91-12-16/19**  
 Mikkelsen, J.O.: **Bremdal, B.A., Hirdes, D.: A computerized environment for the automation of form-based procedures.**
- 0798 **06.91-12-16/19**  
 Wensley, A.: **Expert systems and audit planning: Evolving research issues.**
- 0799 **06.91-12-16/19**  
 Miyoshi, T. et al.: **Management of uncertainty in LIFE FEShell Fuzzy Frame System.**
- 0800 **06.91-12-16/19**  
 Snaprud, M.: **Kaindl, H.: Knowledge acquisition using hypertext.**
- 0801 **06.91-12-16/19**  
 Back, B.: **Assisting accountants in developing financial statements.**
- 0802 **06.91-12-16/19**  
 Buta, P.: **Springer, St.: Communicating the knowledge in knowledge-based systems.**
- 0803 **06.91-12-16/19**  
 Grogono, P.: **Preece, A. et al.: A survey of evaluation techniques used for expert systems in telecommunications.**
- 0804 **06.91-12-16/19**  
 Vrtacnik, M. et al.: **Design of an expert system for water pollution determination/prevention.**
- 0805 **06.91-12-16/19**  
 Colomb, R.M.: **Computational stability of expert systems.**
- 0806 **06.91-12-16/19**  
 Preece, A.D.: **Shinghal, R., Batarekh, A.: Verifying expert systems: A logical framework and a practical tool.**
- 0807 **06.91-12-16/19**  
 Chin, M.W.: **Disaster mitigation in the Caribbean using expert systems.**
- 0808 **06.91-12-16/19**  
 McLean, D.R. et al.: **Emphasizing conflict resolution versus conflict avoidance during schedule generation.**
- 0809 **06.91-12-16/19**  
 Turksen, I.B.: **Tian, Y., Berg, M.: A fuzzy expert system for a service centre of spare parts.**
- 0810 **06.91-12-16/19**  
 Jovanovic, A.: **Maile, K.: ESR - a large knowledge-based system project of European power generation industry.**
- 0811 **06.92-04-1/3**  
 Gödert, W.: **Book review of Hermes, H.-J., Havekost, H. (Eds.): Die Systematik im OPAC: über das Instrumentarium zum Ordnen und Wiederfinden.** Oldenburg: Library and Information System of the Oldenburg University 1993. 162p.. The use of classification systems in OPACs: On the tools available for orde-

ring and retrieval. (Orig. en). In: Knowl.Org. Vol.20 , No.3 1993, p.168-169

Reports on the papers presented at Working Group Sessions on Library Science during the 16th Annual Convention of the Gesellschaft für Klassifikation, Dortmund April 1-3, 1992.

0812 **06.92-06-21/24**  
Lutckens, E.: **SIGIR 92. New trends in information retrieval.** (Orig. en). In: Cahiers de la Documentation , No.1 1993, p.3-12  
Extensive report on the more practical papers of the 15th ACM/SIGIR Conference, held at Copenhagen, June 21-24, 1992.

0813 **06.92-07, 31**  
Lennie, F.S.: **Indexing as entertainment.** (Orig. en). In: Key-words Vol.1 , No.2 1992, p.6-9  
Report on the proceedings of an indexing conference in England on international aspects of indexing.

0814 **06.92-10-8/9**  
Karg, H.; Kunz, M., Wolf-Dahm, B.: **SWD-Kolloquium am 8./9.Oktober 1992.** Colloquy on the Standard Subject Heading File, Oct.8-9, 1992. (Orig. de). In: Dialog Bibl. Vol.5 , No.1 1993, p.22-28

0815 **06.92-11-9/10, 88-53**  
Johannsmeyer, B.; Ittner, A.: **Diskurs MeSH/RSWK im Universitätsklinikum Berlin-Steglitz.** Conference on MeSH and RSWK in the Berlin-Steglitz hospital. (Orig. de). In: Bibliotheksdienst Vol.27 , No.1 1993, p.60-61  
Report on a course for further education in subject cataloguing of medical librarians with 23 participants who learned about ways of subject cataloguing in medicine.

0816 **06.93-04-22/23, 356**  
**Papers from the workshop on hypermedia and hypertext standards held in Amsterdam, Netherlands, 22-23 April 1993.** (Orig. en). In: Inform.Serv.& Use Vol.13 , No.2 1993, p.81-188  
The issue contains 13 papers with a guest-editor's preface by J.van Halm.

0817 **06.93-04-22/23, 356**  
Stephenson, G.: **Introduction: The CEC open information interchange initiative.**

0818 **06.93-04-22/23, 356**  
Welsch, L.A.: **Multimedia and hypermedia: model and framework.**

0819 **06.93-04-22/23, 356**  
Bryan, M.: **Standards for text and hypermedia processing.**

0820 **06.93-04-22/23, 356**  
Popham, M.G.: **Use of SGML and HyTime in UK universities.**

0821 **06.93-04-22/23, 356**  
Carr, L.; Davis, H., Hall, W.: **Experimenting with HyTime architectural forms for hypertext interchange.**

0822 **06.93-04-22/23, 356**  
Scheller, A.: **The Open Document Architecture (ODA) and its HyperODA extensions.**

0823 **06.93-04-22/23, 356**  
Soares, L.F.G.; Casanova, M.A., Colcher, S.: **An architecture for hypermedia systems using MHEG standard objects Interchange.**

0824 **06.93-04-22/23, 356**  
Burnard, L.: **Rolling your own with the TEI.**

0825 **06.93-04-22/23, 356**  
Fromont, J.: **State-of-the-art regarding the various standards for contents related to text, still images, sound and video.**

0826 **06.93-04-22/23, 356**  
Fromont, J.; Creff, H., Marie, X.: **The AVI initiative: Functional requirements analysis and proposed framework for standardization.**

0827 **06.93-04-22/23, 356**  
Pring, I.: **Video standards and the end-user.**

0827 **06.93-04-22/23, 356**  
Grieger, I.: **Future direction of SC24 standardization.**

0829 **06.93-04-22/23, 356**  
Broekman, H.J.D.: **Effective communication with interactive**

**media.**

0830 **06.93-05-20/22**  
Hall, G.: **Indexing, providing access to information, looking back, looking ahead.** (Orig. en). In: Indexer Vol.18 , No.4 1993, p.259-262

Report on the 25th Annual Meeting of the American Society of Indexers, Alexandria, VA, 20-22 May 1993.

0831 **06.93-06-3/5**  
**Universal Knowledge Tools and their Applications.** (Orig. en). In: Knowl.Org. Vol.20 , No.3 1993, p.160-161

Short report with listing of the papers of the Conference in Toronto, Ont., June 3-5, 1993, organized by Prof.H.Burckhardt for the Ontario Division of the International Society for System Science

0832 **06.93-10-25**  
**Thesaurias Terminological Lexicons. A concept, a definition, and software requirements.** (Orig. en). In: Knowl.Org. Vol.20 , No.3 1993, p.163-164

Program of a workshop organized by W.Schmitz-Esser, chair of DGD/KTF (the Committee for Classification and Thesaurus Research of the German Documentation Society) together with ISKO on Oct.25, 1993 in Weilburg.

0833 **06.93-10-26/29**  
**3rd Conference of the German ISKO Chapter.** (Orig. en). In: Knowl.Org. Vol.20 , No.3 1993, p.163  
Forecast of the program for this conference at Weilburg, Oct.26-29, 1993.

## 07 Textbooks (whole field)

0834 **07.3**  
Keen, M.: **Book review of Lancaster, W.: Indexing and abstracting in theory and practice.** London: Library Assoc. 1991. XVI,328p.. Champaign, IL, GSLIS, Univ.of Illinois 1991. (Orig. en). In: J.Doc. Vol.48 , No.4 1992, p.435-436

## 08 Other monographs

0835 **08**  
Langridge, D.W.: **Classification: Its kinds, systems, elements, and applications.** (Orig. en). London, GB: Bowker-Saur 1992, X,84p. ISBN: 0-86291-622-4

0836 **08.752**  
Maltby, A.: **(Book review of title under 0835).** (Orig. en). In: J.Doc. Vol.49 , No.1 1993

0837 **08.752**  
Oberhauser, O.: **Book review of Alurl, R., Kemp, A., Boll, J.J.: Subject analysis in online catalogs.** Englewood, CO: Libraries Unlimited 1991. XII,303p.. (Orig. en). In: Knowl.Org. Vol.20 , No.3 1993, p.165-166

## 09 Standards, guidelines

0838 **09.812**  
Junginger, F.; Schubert, H.-J.: **Kommission f.Sacherschließung, DBI: Regeln für den Schlagwortkatalog: (RSWK), 2nd enlarged edition.** (Orig. de). Berlin, DE: Dt.Bibl.Inst. 1991, 321p.

0839 **09.812**  
**Praxisregeln zu den Regeln für den Schlagwortkatalog und der Schlagwortnormdatei. Erste Ergänzungslieferung.** Practical rules to the Rules for the Subject Catalogue and the Standard Subject Heading File. (Orig. de). Frankfurt/Main: Dt.Bibliothek 1993, 153 p.  
Contains new rules, supplements to rules already published, and an enlarged index.

# 1 Theoretical Foundations and General Problems

## 11 Order and Knowledge Organization (KO)

0840 111  
Garcia Marco, F.J.: Esteban Navarro, M.A.: **On some contributions of the cognitive sciences and epistemology to a theory of classification.** (Orig. en). In: Knowl.Org. Vol.20 , No.3 1993, p.126-132, 22 refs.

0841 114  
Arnopoulos, P.: **A SUM of science: the taxonomy and methodology of sociophysics.** (Orig. en). In: Knowl.Org. Vol.20 , No.3 1993, p.139-149, 80 refs.

Attempt to order the main parameters of scientific theory into a coherent taxonomy. To that end, a System Unification Model (SUM) is constructed which serves as a formal frame classifying the salient structures and functions of empirical existence. The methodology used is based on a Triadic Interface Paradigm which combines dialectic and syllogic algorithms to arrive at synthetic conclusions of general application. The model has been used to demonstrate a new Theory of Sociophysics which integrates the basic principles of social and natural sciences into an all-inclusive conceptual framework.(Author, abbr.)

## 12 Conceptology in KO

0842 121, 715  
Birnbaum, L.: **Rigor mortis: a response to Nilsson s Logic and Artificial Intelligence.** (Orig. en). In: Artificial Intelligence Vol.47 , No.1-3 1991, p.57-77

The logicists dream of a completely use-independent characterization of knowledge has drawn their attention away from fundamental AI problems, leading instead to a concentration on purely formalistic issues and curtailed the prospects for intellectual interaction with other AI researchers.

0843 122, 361  
Velardi, P.: Paziienza, T., Fasolo, M.: **How to encode semantic knowledge: a method for meaning representation and computer-aided acquisition.** (Orig. en). In: Computational Linguistics Vol.17 , No.2 1991, p.153-170, 20 refs.

Proposal of an algorithm to learn syncategorematic concepts from text exemplars. What is learned about a concept is not its defining features, such as kinship, but rather its patterns of use.

0844 124  
Doyle, J.: Patil, R.S.: **Two theses of knowledge representation: language restrictions, taxonomic classification, and the utility of representation services.** (Orig. en). In: Artificial Intelligence Vol.48 , No.3 1991, p.261-297

## 14 Systems Theory and KO

0845 141  
Rodriguez-Delgado,R.: Banathy, B.H. (Eds.): **International Systems Science Handbook.** An introduction to systems for everybody. (Orig. en). Madrid: Systemic Publ. 1993, 512p.

Contains 37 articles arranged under the following headings: Generalities, Systems Science, Education, Methodology, Some Applications. Introduction by the Editors. No Index. The articles:

0846 141  
Rodriguez-Delgado,R.: **Systems theory. Basic concepts.**

0847 141  
Gigch, S.P.van: **Paradigms.**

0848 141  
Gao, S.J.: **Self-organization, systems evolution and ancient Chinese philosophy.**

0849 141  
Broeksra, G.: **The systems paradigm in organization and management.** From open systems to the chaos hypothesis.

0850 141

Vallée, R.: **Systems theory, a historical presentation.**

0851 141

Laszlo, E.: **Main currents in systems thinking.**

0852 141

Francois, Ch.: **Inter, multi, or transdisciplinarity?.**

0853 141

Jackson, M.C.: **Critical systems thinking.**

0854 141

Flood, R.L.: **Liberating system theory.**

0855 141

Snow, R.: **The Integration of systems and interpretive thought.**

0856 141

Currás, E.: **Vertical integration of science: A systemic approach.**

0857 141

Andreewsky, E.: **Systems science, psychology and cognition.**

0858 141

Hernandez, M.J.: **Ecosystems. Main concepts.**

0859 141

Bunge, M.: **The concept of a social system.**

0860 141

Ulloa, R.R.: **Cultural change, strategic management and organizational change.**

0861 141

Banathy, B.H.: **Designing social systems: Creating our future in a changing world.**

0862 141

Csanyi, V.: **Culture and society as a replicative system.**

0863 141

Tsivacou, I.: **Structure and agency in systems rationality.**

0864 141

Banathy, B.H.: **Education in systems.**

0865 141

Delgado, J.M.R.: **Biological unity of brain and mind: A concept for systems education.**

0866 141

Torre, M. de la: **Towards the integration of cognitive sciences.**

0867 141

Laszlo, A.: **A cognitive map of cultural change.**

0868 141

Manzelli, P.: **Conceptual tools.**

0869 141

Minati, G.: **Designing open systems: Semantics and systems learning.**

0870 141

Rodriguez-Delgado,R.: **Systems dialectics for integrated development.**

0871 141

Sarget, M.N.: **Systems analysis and its use in political sociology.**

0872 141

Martinez, V.S.: **General rules for systems dynamics models.**

0873 141

Teune, H.: **Systems dynamics and systems transitions.**

0874 141

Gasparski, W.: **Methodology of design.**

0875 141

Parra-Luna, F.: **Soclocybernetics: third cybernetics.**

0876 141

Ferrer, L.: **A model for management.**

0877 141

Caselles, A.: **Modelling ecosystems.**

0878 141

Fillion, L.J.: **Soft systems methodology for an entrepreneurial metamodel.**

0879 141

Marinova, D.: **System characteristics of innovation.**

0880 141

Vardomatskii, A.: **Morality as a regulatory system.**

0881 141

Acosta, J.M.: **Time management.**

0882 147  
Gelenbe, E.: **Neural networks: Advances and applications.** (Orig. en). Amsterdam, NL: Elsevier Sci.P. 1991, 274p. ISBN: 0-444-88533-1

0883 1478-396 US  
Gaber, M.T.: Benjamin, C.O.: **Classifying US manufacturing plant locations using a nartificial neural network.** (Orig. en). In: Computers & Ind.Engg.(GB) Vol.23 , No.1-4 1992, p.101-104, 12 refs.

Examination of the application of an artificial neural network (ANN) for classifying the contiguous states in the USA according to their manufacturing climate. The application uses a self-organizing paradigm, the ART2.

## 15 Psychology and KO

0884 153  
Albus, J.S.: **Outline for a theory of intelligence.** (Orig. en). In: IEEE Transact.on Syst.Man & Vol.21 , No.3 1991, p.473-509

0885 155/6  
Frohmann, B.: **The power of images: A discourse analysis of the cognltiveviewpoint.** (Orig. en). In: J.Doc. Vol.48, No.4 1992, p.365-386, 41 refs.

0887 157  
Cherkassky, V.: Vassilas, N., Wechsler, H.: **Semantic categorization using a hierachical associative memory.** (Orig. en). In: Int.J.of Neural Networks Vol.2 , No.2-4 1991, p.101-114, 15 refs.

0888 157  
Schuwer, R.V.: Kusters, R.J.: **Application areas and added value of knowledge base systems.** (Orig. en). In: Inform.& Management Vol.24 1993, p.83-92, 7 refs.

0886 157, 715, 757  
**Special Issue: Case-based reasoning and its applications.** (Orig. en). In: Expert Systems with Applicat. Vol.6, No.1 1993, p.1-104

The idea of Case-Based Reasoning (CBR) is to store experience as cases in a case base. When a new problem is encountered, the system uses memory of relevant past cases to interpret or solve the problem. As a result, the more cases the system stores the better it performs. This issue contains nine articles on CBR with a guest-editors note from Ting-Peng Liang and Efraim Turban.

## 17 Problems in KO

0889 173  
Walker, A.: Pattacaik, M.: **Knowledge-based approach to simulation model validation.** (Orig. en). In: Computers & Industrial Engg. Vol.23 , No.1-4 1992, p.245-248, 12 refs.

Validation is an important part of simulation modeling. The shortcoming of traditional validation is lack of sufficient knowledge and lack of organization of the existing knowledge. This research explores the possibility of using knowledge from fields other than simulation, such as functinal design and database design, for conceptual validation. Two simulation models are tested using the knowledge. An organization of all the knowledge into a knowledge base is suggested.

0890 174  
Kilgour, F.G.: **Lackof indexes in works on information science.** (Orig. en). In: J.Amer.Soc.Inform.Sci. Vol.44, No.6 1993, p.364, 1 ref.

0891 178, 726  
Takoushian, R.: **Domain classification: a scalar approach to data names.** (Orig. en). In: Data Management Vol.4 , No.2 1993, p.15-24  
To achieve accurate classification and consistent naming of data elements, it is imperative to properly identify the data. This article

suggests a method of simplifying this rather daunting task. (Author, abbr.)

## 2 Classification Systems and Thesauri (CS&T). Structure and Construction

### 23 Construction of CS & T

0892 237, 276  
Amat, C.B.: Baquedano Alcocer, A.: **Generating structural input files for BRS thesaurus creation and maintenance.** (Orig. es). In: Rev.esp.doc.cient. Vol.16 , No.2 1993, p.119-136, 9 refs.

The thesaurus elaborated contains 7500 terms pertaining to world geography. It is used to control input and retrieval from bibliographic and audiovisual databases of the Radiotelevisión Valenciana. The load file structure, as well as the delimitation of terminological relationships have been performed using a microcomputer database management system.

### 24 Relationships

0893 242, 725  
Cooke, N.J.: **Eliciting semantic relations for empirically derived networks.** (Orig. en). In: Int.J.Man-Machine Studies Vol.37 , No.6 1992, p.721-750, 20 refs.

This research addresses the problem of eliciting semantic relations in order to enrich the Pathfinder network representation and increase its potential as a knowledge-elicitation technique. Here the SCAN (Sorting, Clustering, and Naming) methodology is described and illustrated using links in a network of 20 common concepts.

### 25 Numerical Taxonomy

0894 251  
Brew, C.: **Systemic classification and its efficiency.** (Orig. en). In: Computational Linguistics Vol.17 , No.4 1991, p.375-408, 18 refs.

Examination of the problem of classifying linguistic objects on the basis of information encoded in the system network formalism developed by Halliday.

0895 253  
Tubbs, J.D.: Alltop, W.O.: **Measures of confidence associated with combining classification results.** (Orig. en). In: IEEE Transact.on Syst.,Man &.. Vol.21 , No.3 1991, p.690-692

0896 255  
Berliner, H.: Ebeling, C.: **Pattern knowledge and search: The SUPREM architecture.** (Orig. en). In: Artificial Intelligence Vol.38 , No.2 1989, p.161-198

0897 258-39  
Benediktsson, J.A.: Swain, P.H.: **Consensus theoretic classification methods.** (Orig. en). In: IEEE Transact.on Syst.,Man &.. Vol.22 , No.4 1992, p.688-704  
Adoption of the consensus theory for classifying geographic data from multiple sources.

0898 258-53  
Shaw, W.M.Jr.: **Controlled and uncontrolled subject descriptions in the CF database: A comparison of optimal cluster-based retrieval results.** (Orig. en). In: Inform.Process.& Management Vol.29 , No.6 1993, p.751-763, 24 refs.

### 26 Notation. Codes

0899 265  
Bies, W.: **Book review of Satija, M.P., Comaromi, J.P.: Beyond classification: Book numbers. With special reference to chronological book numbers.** New Delhi: EssEss Publ. 1992. 115p.. (Orig. en). In: Knowl.Org. Vol.20 , No.3 1993, p.169-170

0900 267  
Düsterbeck, B.: **Book review of Bernhardt, R.: Nummerungssysteme: Grundbegriffe, Einführung, Systemvergleiche, praktische Anwendung, speziell bei EDV-Systemen.** Ehningen: Expert Verlag 1990. 220p. Numbering systems: Basic concepts and introduction, system comparisons, practical application, especially in computer systems. 2nd ed.. (Orig. en). In: Knowl.Org. Vol.20 , No.3 1993, p.170-171

## 27 Maintenance, Updating & Storage of CS & T

see also 0892, 0958

0901 274, 485  
Dilger, M.: **Revision eines Schlagwortregisters mit Hilfe der Schlagwortnormdatei.** Revision of a subject heading index with the help of the Standard Subject Headings File. (Orig. de). In: Bibliotheksdienst Vol.26 1992, p.1338-48

## 29 Evaluation of CS & T

0902 291, 752  
Schulz, U.: **Einige Forderungen an die Qualität von Normdateien aus der Sicht der inhaltlichen Erschließung für Online-Kataloge. Teil 2: Geographischer Aspekt.** Some requests for the quality of standard files seen from a contents analysis point-of-view regarding online-catalogues. Pt.2: Geographic aspect. (Orig. de). In: Bibliotheksdienst Vol.27 , No.3 1993, p.315-328, 8 refs. Continuation of work published as Pt.1 on the time aspect intended to be followed by a third article, also meant to improve those online-catalogues working with RSWK-data.

0903 293, 656  
Diodata, V.; Henry, G.: **The rates of assignment of narrower terms in the Thesaurus of ERIC Descriptors.** (Orig. en). In: J.Inform.Sci. Vol.19 , No.2 1993, p.137-142, 6 refs.

## 3 Classing and Indexing (C & I) (Methodology)

### 31 Theory of Classing and Indexing

see also 0778, 0813

0904 311  
Beliardo, T.: **Subject indexing: An Introductory guide.** (Orig. en). Washington, DC: Spec.Libr.Assoc 1991, 72p.

0904a 311  
Weinberg, B.H.: **(Book review of title under 0904).** (Orig. en). In: J.Amer.Soc.Inform.Sci. Vol.44 , No.2 1993, p.117-119, 12 refs.

0905 311  
Wiggins, B.: **Indexing: the key to retrieval.** (Orig. en). In: Document Image Automation Vol.13 , No.2 1993, p.13-15, refs.

0906 312  
Senga, M.: **An Invitation to book classification.** (Orig. ja). In: Biblos (Japan) Vol.43 , No.5 1992, p.15-19

0907 313.119  
Ballard, R.M.: **Indexing and its relevance to technical processing.** (Orig. en). In: Catalog.& Classif.Quart. Vol.16 , No.3 1993, p.79-88, 12 refs.  
Review of courses offered for the preparation of indexers in the United States and the United Kingdom. Although indexing theory has provided the technical services department with methods for evaluation of effectiveness one cannot observe that these techniques are used, nor do current courses, workshops, and continuing education programs stress them.

## 32 Subject Analysis

see also 1056

0908 321  
Albrechtsen, H.: **Subject analysis and indexing: From automated indexing to domain analysis.** (Orig. en). In: Indexer Vol.18 , No.4 1993, p.219-224, 25 refs.  
Discusses the nature of subject analysis, suggesting three different conceptions of this: simplistic, content-oriented, and requirement-oriented, considering the type of subject information and indexing method appropriate for each.

0909 321  
Moreno, B.C.: **Topical analysis of documents.** (Orig. en). In: Investigacion Bibliotecologica Vol.6 , No.12 1992, p.4-10, 8 refs.

0910 321  
Senga, M.: **An invitation to book classification 7: Subjects of books.** (Orig. ja). In: Biblos (Japan) Vol.43 , No.12 1992, p.19-23  
Discusses the dictionary definition of the concept of Subject and the relationship between book classification and Subject. For the preceding parts of this series of lectures see the issues of the Japanese journal Biblos, from May to November 1992.

0911 328-46  
Heller, J.: **Erschließung und Recherche der erworbenen Literatur in der ZBL mit den RSWK und der Schlagwortnormdatei.** Content analysis and retrieval of literature acquired in the Central Agricultural Library of Germany with RSWK and SWD. (Orig. de). In: Mitt.Ges.Bibl.wes.Dok.Landbau Vol.48 1992, p.39-42

## 33 Classing and Indexing Techniques

0912 331.213  
Milstead, J.: **No, you can't be replaced by a computer.** (Orig. en). In: Keywords Vol.1 , No.2 1992, p.1-2  
Explores the impact of specific forms of computer aid on indexing. Concerns about maintaining quality, focussing on personnel and hardware.

0913 331.99  
**Index Standard Update.** (Orig. en). In: Inform.Standards Quarterly Vol.5 , No.1 1993, p.1  
Discussion of displayed versus non-displayed indexes to be covered by a single standard (Subject of 3rd meeting of the NISO Committee on Standards for Indexing). The text was also published in Keywords 1(1993)No.4, p.10-11

0914 332  
Krüger, Ch.: **Die klassifikatorische Sacherschließung auf der Grundlage der Klassifikation für Allgemeinbibliotheken (KAB) und der Allgemeinen Systematik für Öffentliche Bibliotheken (ASB) in einer öffentlichen Bibliothek: ein Vergleich.** Classificatory subject analysis based on KAB and on ASB in a public library: a comparison. (Orig. de). Berlin, DE: Humboldt Univ. 1993, 73p., 70 refs. (Thesis)  
This thesis of the Institut for Library Science and Scientific Information of the Humboldt University compares the Classification System for General Libraries (KAB) (formerly of the GDR) and the General System for Public Libraries (ASB) as used in the Federal Republic of Germany and shows the findings.

## 34 Automatic Classing and Indexing

see also 1074

0915 341  
Silva, W.T.da.; Milidui, R.L.: **Belief function model for information retrieval.** (Orig. en). In: J.Amer.Soc.Inform.Sci. Vol.44 , No.1 1993, p.10-18, 17 refs.  
Proposal to use the Belief Function Model for automatic indexing and ranking with respect to a given user query. The model is based on a controlled vocabulary and on term frequencies in each document. It is wider in scope than the Standard Vector Space Model.

0916 342  
Schmidt-Schaub, M.: Smolka, G.: **Attributive concept descriptions with complements.** (Orig. en). In: Artificial Intelligence Vol.48 , No.1 1991, p.1-26

0917 343  
Haas, St.W.: He, Shaoyi: **Toward the automatic identification of sublanguage vocabulary.** (Orig. en). In: Inform.Process.& Management Vol.29 , No.6 1993, p.721-732, 10 refs.

0918 344  
Hlava, M.K.: **Machine-aided indexing (MAI) In a multilingual environment.** (Orig. en). In: Proc.1th Natl.Online Meeting, New York, May 1993. Medford, NJ: Learned Inform. 1993, p.197-201

0919 344  
Svenonius, E.: **Book review of Hodge, G.M.: Automated support to indexing.** Philadelphia: Natl.Fed.of Abstracting and Inform.Serv.1992. 176p.. (Orig. en). In: Int.Cat.& Bibliogr. Control Vol.22 , No.2 1993, p.34

0920 344  
Weinberg, B.H.: **(Book review of title under 0919).** (Orig. en). In: J.Amer.Soc.Inform.Sci. Vol.44 , No.2 1993, p.119-121

0921 345, 386  
Kanjalil, A.: **Permuted keyword index using CDS/ISIS - a tutorial.** (Orig. en). In: IASLIC Bull. Vol.37 , No.2 1992, p.83-88

0922 348-53  
Rorvig, M.E.: Fitzpatrick, St.J. et al.: **A new machine classification method applied to human peripheral blood leukocytes.** (Orig. en). In: Inform.Process.& Management Vol.29 , No.6 1993, p.765-774, 7 refs.

### 35 Manual and Automatic Ordering

#### 356 Hypermedia see also 0816-0829

0923 356  
Di Giorgia, C.: **An introduction to hypertexts and hypertext systems.** (Orig. it). In: Indicizzazione Vol.12 , No.1 1992, p.27-42

0924 356  
Kuhlen, R.: **Book review of Rada, R.: From text to Expertext.** London, etc.: McGraw-Hill 1991. 237p.. (Orig. en). In: Knowl.Org. Vol.20 , No.3 1993, p.172-173  
English translation of review which appeared in German in Knowl.Org. 20(1993)No.2, p.106-107

0925 356  
Rada, R.: **Converting a textbook to hypertext.** (Orig. en). In: ACM Transact.on Inform.Systems Vol.10 , No.3 1992, p.294-315, 48 refs.

0926 356  
Schnase, J.L.: Legget, J.J., Hicks, D.L., Szabo, R.L.: **Semantic data modeling of hypermedia associations.** (Orig. en). In: ACM Transact.on Inform.Systems Vol.11 , No.1 1993, p.27-50, 58 refs.

0927 356  
Scott, P.: **Hypertext. Information at your fingertips.** (Orig. en). In: Designing Information: New Roles for Librarians Urbana, IL: GSLIS Univ.Ill. 1993, p.164-177, 11 refs.  
HyperRez from MaxThink is discussed as is the creation of the major Internet index, HYTELNET. Reference is also made to hypertext utilities currently under development that make use of the HyperRez software

0928 356  
Soravito, G.F.: **Notes on hypertext, a newsystem for integrated documentary information.** (Orig. it). In: Indicizzazione Vol.11 , No.1-2 1991, p.65-77

Knowl.Org. 20(1993)No.4  
Knowl. Org. Literature 20(1993)

### 36 Coding

see also 0843

### 38 Index Generation and Programs

0929 381  
Chuah, M.: **Bibliographic sources to Malaysian parliamentary papers.** (Orig. en). In: Kekal Abadi Vol.11 , No.4 1992, p.1-5, refs. Describes not only the various types of Malaysian parliamentary papers by also the various indexes to the Hansard. Notes the shortcomings and proposes measures for improvement.

0930 387  
Janßen, H.: Bundschuh, M.: **Objektorientierte Software-Entwicklung.** Object-oriented software development. (Orig. de). München-Wien: Oldenbourg 1993, 116p. ISBN: 3-486-22646-0

0931 387  
**(Project Management for project-oriented software development).** (Orig. en). In: Informatik-Spektrum Vol.15 , No.5 1992, p.253-292  
The issue contains 5 contributions to the topic given in brackets with an Editorial by R.Busch.

0932 388-68  
Stewart, M.M.: Hatton, J.L.: **Production of a periodical index by a special library.** (Orig. en). In: Spec.Libraries Vol.83, No.2 1992, p.92-95

### 39 Evaluation of Classing and Indexing

0934 398-26  
Braam, R.R.: Bruil, J.: **Quality of indexing information: authors views on indexing of their articles in Chemical Abstracts online CA-file.** (Orig. en). In: J.Inform.Sci. Vol.18 , No.5 1992, p.399-408, 10 refs.

0933 3997  
Pajmans, H.: **Comparing the document representation of two IR-systems: CLARIT and TOPIC.** (Orig. en). In: J.Amer.Soc.Inform.Sci. Vol.44 , No.7 1993, p.383-392, 21 refs.

## 4 On Universal Classification Systems and Thesauri

### 42 On the Universal Decimal Classification

see also 1083, 1099, 1100

0935 42.175 Bg  
Sazdanova, L.: Kapitanova, M.: **Further discussion of UDC and the necessity for a new classification system In the University Library.** (Orig. bg). In: Bibliotekar Vol.38 , No.5 1991, p.2-3

0936 42.179  
Andrian, A.C.: **The development of the Universal Decimal Classification (UDC).** (Orig. ro, en). In: Probl.Inform.Doc. Vol.27 , No.1-2 1993, p.15-42, 30 refs.

0937 42.4  
**New English edition of the UDC.** (Orig. en). In: Knowl.Org. Vol.20 , No.3 1993, p.161

### 43 On the Dewey Decimal Classification

0938 43.6-2/4  
Malan, C.: **The 500 Dewey-class.** (Orig. en). In: Cape Librarian Vol.36 , No.6 1992, p.12-13

0939 43.6-94  
Malan, C.: **The journey through Dewey continues: the 700 class.** (Orig. en). In: Cape Librarian Vol.36 , No.8 1992, p.36-8

241

## 44 On the Library of Congress Classification and the Library of Congress Subject Headings

0940 448  
Conway, M.O.: **Characteristics of subject headings in the Library of Congress BOOKSM database.** (Orig. en). In: *Libr.Resources & Techn.Serv.* Vol.37, No.1 1993, p.47-58, 12 refs.

It is shown that Library of Congress cataloguers rely upon the system of free-floating subdivisions in the processing of constructing subject headings. This must be taken into account in attempts to improve the subject cataloguing process.

0943 448519  
Luttrell, J.R.: **(Book review of title under 0942).** (Orig. en). In: *J.Academic Librarianship* Vol.19, No.4 1993, p.246

0941 448-39  
Drabenstott, K.M.: **Facilitating geographic subdivision assignment in subject headings.** (Orig. en). In: *Libr.Resources & Techn.Serv.* Vol.36, No.1 1992, p.411-425, 25 refs.  
Recommendations based on a study of subdivided subject headings in a large bibliographic database.

0942 448-519  
Berman, S.: **Prejudices and antipathies: a tract on the LC Subject Heads concerning people.** (Orig. en). Jefferson, NC: McFarland 1993, 211p. ISBN: 0-89950-828-6

0944 448-984, 6984  
Hoffmann, G.; Rotenberg, S. et al.: **Hebrew subject headings: development and implementation at Bar-Ilan University.** (Orig. en). In: *Judaica Librarianship* Vol.6, No.1-2 1991/2, p.24-32, 6 refs.

## 48 On Other Universal CS and T

0945 485  
Bengs, S.: **Möglichkeiten einer effektiven sachlichen Bestandserschließung auf der Grundlage der überarbeiteten Klassifikation für Allgemeinbibliotheken (KAB)in.** einer öffentlichen Bibliothek, dargestellt am Beispiel der Stadtbibliothek Frankfurt (Oder). Possibilities of an effective subject analysis based on the revised Classification for General Libraries in a public library: Example of a city lib.. (Orig. de). Berlin, DE: Humboldt Univ. 1992, 78p., 48 refs. (Thesis)  
Thesis at the Institute for Library Science and Scientific Information of the Humboldt University which investigates the applicability of the KAB and provides some proposals.

0949 485  
Lehmann, K.: **Präzisionen, Erweiterungen und Korrekturen an der Gliederung der KAB/E.** More precise representation, enlargements and corrections of the structure of the KAB/E. (Orig. de). In: *Bibliotheksinfo* Vol.2 1992, p.606-608

0950 485  
Lehmann, K.: **Zur weiteren Arbeit auf dem Gebiet der KAB.** On further work concerning the KAB. (Orig. de). In: *Bibliotheksinfo* Vol.2 1992, p.177-178  
Presentation of the developments concerning the Classification for General Libraries, after the German Library Institute, Berlin (DBI) has taken over.

0951 485  
Lehmann, K.; Pohlenz, K.: **Weitere Verbesserungen an der Gliederung der KAB/E.** Further improvements in structuring the KAB/E system. (Orig. de). In: *Bibliotheksinfo* Vol.3 1993, p.197-200

0952 485  
Lehmann, K.; Pohlenz, K.: **Zur Überarbeitung des Schlagwortfonds der KAB und aktuelle Ergänzungen zum alphabetischen Schlagwortregister.** On the revision of the KAB termino-

logy and supplements to the alphabetic index. (Orig. de). In: *Bibliotheksinfo* Vol.3 1993, p.109-118

0953 485  
Lehmann, K.; Höchstmann, D.: **ASB - ein Ende des Pflegenotstandes?** General System for Libraries - end of a critical state?. (Orig. de). In: *Buch und Bibliothek* Vol.45, No.5 1993, p.473-4, 2 refs.  
According to an agreement of the VBB and The Deutsche Bibliotheksinstitut the maintenance and future development of the ASB will be taken care of by the DBI from 1993 on.

0954 485 Ja, 694  
Miura, H.: **Critical essays on Nippon Decimal Classification, proposed 9th edition: (2) Arts class.** (Orig. ja). In: *Toshokan-Kai (Library World)* Vol.44, No.5 1993, p.230-235

0946 485, 489  
Lehmann, K.: **Neufassung der KAB/K.** New edition of the KAB/K. (Orig. de). In: *Bibliotheksinfo* Vol.2 1992, p.265-267  
The Classification for General Libraries (KAB), part K for children demands a thoroughly new edition. The relevant changes are being listed here.

0947 485, 639  
Lehmann, K.: **Neufassung der KAB/Ter.** New edition of the KAB/Ter. (Orig. de). In: *Bibliotheksinfo* Vol.2 1992, p.333-335  
The Classification for General Libraries, Part Geographic Subdivisions needs a new edition. The main groups needing changes are listed.

0948 485, 693, 694, 682  
Lehmann, K.: **Informationen zur KAB/TM, KAB/MN, KAB/Art und KAB/BF.** Information on several sections of the KAB. (Orig. de). In: *Bibliotheksinfo* Vol.2 1992, p.402-404  
Information on the revision work of the Classification for General Libraries (KAB) concerning the parts on Music, Music Notes, Arts, and Library Science.

## 6 On Special Subjects CS & T

### 61 On CS & T in Area 1 (ICC)

0955 619  
Sutter, J.E.: **Une classification internationale pour les normes.** An international classification for standards. (Orig. fr). In: *Documentaliste* Vol.29, No.4-5 1992, p.221-3

### 63 On CS & T in Area 3

0956 639  
Iglewski, M.; Obaid, A.: **An efficient spatial indexing system.** (Orig. en). In: *Data Management* Vol.4, No.2 1993, p.25-37  
Presents a case study of a scheme designed to store and retrieve spatial information from an existing data base maintained by a graphics company.

see also 0947

### 65 On CS & T in Area 5

see also 0979, 0984

0957 651/4  
Tuttle, M.S.; Sheretz, D.D. et al.: **Adding your terms and relationships to the UMLS Thesaurus.** (Orig. en). In: *Assessing the Value of Medical Informatics. Proc.15th Ann.Symp. on Comput.Appl.in Medical Care*, Washington, DC, Nov.1991. New York: McGraw-Hill 1992, p.219-223, 19 refs.

0959 651/4  
Yang, Y.; Chute, C.G.: **A schematic analysis of the Unified Medical Language System.** (Orig. en). In: *Assessing the Value of Medical Informatics. Proc.15th Ann.Symp. on computer Appl.in*

Medical Care, Washington, DC, Nov. 1991 New York: McGraw-Hill 1992, p.204-208, 10 refs.

0960 652  
Gillman, P.: **Transferring text.** (Orig. en). In: C and L Applications Vol.6, No.9 1993, p.9-11  
Description of a consultancy project for the development of a health care thesaurus involving the movement of text between different application programs. The thesaurus was built from existing text. The software used was WordPerfect and Cardbox.

0958 6541/5, 276  
Van Camp, A.J.: **The MEDLINE integrated thesaurus on BRS.** (Orig. en). In: Online Vol.16, No.6 1992, p.99-102, 2 refs.

0961 6567  
Jarmuth, B.: **Klassifikation Weiterbildung: Erstellung eines Datenbanken geeigneten Erschließungs- und Retrieval-Systeme.** Classification for Continuing Education: Establishment of a subject analysis and retrieval system suitable for databases. (Orig. de). Hamburg, DE: FHS FB BI 1992, 47p. (Thesis)  
The thesis was delivered to the Fachhochschule Hamburg, Department of Library and Information Science.

## 69 On CS & T in Area 9

0962 6921  
Hayes, S.: **Enhanced catalog access to fiction: a preliminary study.** (Orig. en). In: Libr.Resources & Techn.Serv. Vol.36, No.1 1992, p.441-460, 106 refs.

0963 694, 872  
Cawkell, A.E.: **Indexing collections of electronic images: a review.** (Orig. en). In: Brit.Lib.R. Res. Review Vol.15 1993, p.43  
Describes indexing by content (attempting to match an input image to a database collection) and by using a visual thesaurus. (Author, abbr.)

see also 0954

0964 6984, 88-984  
Adler, E.: **Judaica cataloging: the Hebrew bibliographic and Israeli traditions.** (Orig. en). In: Judaica Librarianship Vol.6, No.1-2 1991-2, p.8-12, 17 refs.

see also 0944

## 7 Knowledge Representation by Language and Terminology

### 71 General Problems of Natural Language in Relation to KO

0966 711  
Blair, D.C.: **Language and representation in information retrieval.** (Orig. en). New York: Elsevier 1991, 335p. ISBN: 0-444-88437-8

0968 711  
O Connor, B.: (Book review of title under 0966). (Orig. en). In: J.Amer.Soc.Inform.Sci. Vol.44, No.2 1993, p.116-117

0965 711, 731  
Beardon, C.; Lumsden, D., Holmes, G.: **Natural language and computational linguistics.** (Orig. en). Chichester, GB: Ellis Horwood 1991, 232p. ISBN: 0-13-612813-0

### 715 Artificial Intelligence

see also 0842

0968 715  
Kirsh, D.: **Foundations of AI: The big issues.** (Orig. en). In: Artificial Intelligence Vol.47, No.1-3 1991, p.3-30

Five fundamental issues are discussed and explained with their implications.

0969 715  
Lenat, D.B.; Feigenbaum, E.A.: **On the threshold of knowledge.** (Orig. en). In: Artificial Intelligence Vol.47, No.1-3 1991, p.185-250  
Three major findings and hypotheses of AI are discussed: 1) The Knowledge Principle, 2) the Breadth Hypothesis, and 3) AI as empirical inquiry.

0970 715  
Smith, B.C.: **The owl and the electronic encyclopedia.** (Orig. en). In: Artificial Intelligence Vol.47, No.1-3 1991, p.251-288  
A critical comment on the article by D.B.Lenat and E.A.Feigenbaum, see entry above.

### 72 Semantics

see also 0891

0971 723  
Smart, G.: **Using language analysis to manage information.** (Orig. en). In: Aslib Proc. Vol.45, No.3 1993, p.123-129, 7 refs.  
Results from the ESPRIT Project SIMPR which developed software to analyze documents and generate indexes for them.

0972 726  
Orban de Xivry, D.: **Le traitement de l'information textuelle. Utilisation du système SPIRIT.** Textual information treatment. The use of the SPIRIT system. (Orig. fr). In: Cahiers de la Documentation, No.1 1993, p.15-23  
The SPIRIT system is described as a system for probabilistic indexing and textual information retrieval.

### 73 Automatic Language Processing

see 0965

### 74 Grammar Problems

see also 1005

0973 743  
Rama, D.V.; Srinivasan, P.: **An investigation of content representation using text grammars.** (Orig. en). In: ACM Transact.on Inform.Syst. Vol.11, No.1 1993, p.51-75, 53 refs.

0974 744, 777 fr  
Savoy, J.: **Stemming of French words based on grammatical categories.** (Orig. en). In: J.Amer.Soc.Inform.Sci. Vol.44, No.1 1993, p.1-9, 17 refs.

### 75 Online Retrieval Systems and Technologies

0975 751  
Ford, N.; Ford, R.: **Towards a cognitive theory of information accessing: An empirical study.** (Orig. en). In: Inform.Process.& Management Vol.29, No.5 1993, p.569-585, 36 refs.

0976 751  
Kaiser, A.: **Intelligente Information Retrieval Systeme.** Intelligent information retrieval systems. (Orig. de). In: Nachr.Dok. Vol.44, No.3 1993, p.157-162, 16 refs.

0977 751  
Lowden, B.G.T.; Walls, B.R.; Roeck, A.N., Fox, C.J.: **An approach to paraphrasing logical query languages in English.** (Orig. en). In: Database Technology Vol.4, No.4 1991-2, p.227-234, 5 refs.

0978 752  
Wilson, R.: **The Bookshelf Thesaurus: treasure or trauma?** (Orig. en). In: Libr.Rev. Vol.40, No.6 1991, p.42-49, 1 ref.  
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