0 Form Divisions.

01 Bibliographies.

0001c **014.46**
Bies, W.: **Book review of Satija, M.P., Sing, A.: Bibliography of Colon Classification 1930-1993. New Delhi: M.D.Publ.1994. XI,129p..** (Orig. en). In: Knowl.Org. Vol.21, No.4 1994, p.237-238

0002 **015**
Deutsche Bibliothek: **Liste der fachlichen Nachschlagewerke zu den Normdateien (SWD, GKD).** List of the subject reference works for the authority lists (SWD, GKD). (Orig.de). Frankfurt/Main: Deutsche Bibliothek 1993, 134p. ISSN 0940-7308

0003 **016.18**
O'Hara Conway, M.: **Research in cataloging and classification: Methods and issues - A selective, annotated bibliography.** (Orig. en). In: Cat.& Classif.Quart. Vol.19, No.1 1994, p.119-129

0004 **016.31**
Wellisch, H.H.: **Indexing: a basic reading list.** (Orig. en). Port Aransas, TX: American Society of Indexers 1992
The items in this bibliography cover the technical aspects of writing an index for a book or periodical

0005 **016.387**
Query languages: DBMS Expert Applications. (Orig. en). Springfield, VA:NTIS 1993 103588000
This bibliography compiled from the INSPEC database (NERAC, Inc., Tolland, CT) contains citations concerning the principles, designss, and application of expert systems to database management system query languages. Optimization, natural language, data retrieval, and modeling applications are considered. Contains a minimum of 90 citations and includes a subject term index and title list.

0006 **016.757**
Expert Systems: Industrial Applications. Latest citations from the Compendex Database. (Orig. en). Springfield, VA: NTIS 1993 PB90-8665387 supers.
The bibliography contains citations concerning the development and application of expert computer systems for industrial uses. The citations include references to inference logic, man-machine systems, and problem-solving aspects of expert systems. Industrial applications include flexible manufacturing, foundry practice, glass manufacture, metal working and machining. 250 citatins and a subject term index and title list.

0007 **016.78**
Isaak, Ch.: Katsch, L.: **Kleine Bibliographie fachsprachlicher Untersuchungen.** Little bibliography of special language investigations. (Orig. de). In: Fachsprache Vol.16, No.3-4 19994, p.174-192
This is the 19th continuation of a bibliography started in 1976 as an appendix to the monograph of Lothar Hoffmann: Kommunikationsmittel Fachsprache. Eine Einführung (Communication through special languages. An introduction). Berlin: Akademie Verlag 1976 and having been published in all its continuations in the journal "Fachsprache".

03 Dictionaries, Terminologies.

0008 **032.872**
Olderr, St. (Comp.):**Reverse symbolism dictionary: symbols listed by subject.** (Orig. en). Jefferson,NC, London: McFarland (Shelwing,Ltd. UK distributor) 1992, IX,181p.
Usually a dictionary lists words and their meanings. A reverse symbols dictionary gives the meaning of the symbol followed by the symbol itself.

0009 **036.267**
Jung, H.: Jung, U.O.H.:**The dictionary of acronyms and abbreviations in applied linguistics and language learning.** (Orig. en). Frankfurt etc.: Peter Lang 1991, 802p. ISBN: 3-631-43867-2

0010 **036.267**
Rangra, V.K.: **Acronyms in information science & technology.** (Orig. en). Delhi: Aditya Prakashan 1993, X,325p. ISBN: 81-85689-38-5
The book covers over 6500 acronyms with 7500 expansions in information science and technology covering processes, techniques, systems, institutions, associations concerning libraries, archives, information centers, computerized databases, systems and networks, management, etc. as well as related areas. (From review by S.B. Gosh in Ann.Lib.Sci.Doc. 41(1994)No.2, p.80).

0011 **036.87**
Dillon, P.M.: Leonard, D.C.: **Multimedia Technology from A to Z.** (Orig.en). Phoenix, AZ:Oryx Press 1994, 192p. ISBN:0-89774-892-1
This dictionary of multimedia terms includes also an annotated bibliography of works on multimedia technology.

0012 **038-83**
Board on Sci.& Technol.for Int.Development, US NRC:**Technology Fact Sheets.** (Orig. en). In: Information Development Vol.10, No.4 1994, p.288-291
Under this title the journal publishes in each issue one or more titles from a new series of fact sheets on information technology produced by the BOSTID (the Board mentioned) of the U.S. National Research Council. Ten fact sheets have been published so far; they comprise an introductory sheet and a glossary of frequently used computer terms including also an Internet primer, navigting the Internet, Fidonet, CD-ROM, and desktop publishing. Here 45 terms are defined.

0013 **038-83**
Sydow, F. von:**InformLex. Lexikon für Abkürzungen und Metaphern in Informatik und Umfeld.** InformLex. Encyclopedia of abbreviations and metaphors in data processing and related fields. (Orig. de). Wiesbaden: Vieweg 1994, 376p. ISBN:3-528-05301-1
Contains 2587 entries (acronyms, letter symbols, etc) of the field of computer technology with many references.

04 Classification Systems and Thesauri.

041 General Classification Systems.

0014 **041-de**
Kelm, B. (Comp.): Wende, F.: Deutsche Bibliothek: **Sachgruppen der Deutschen Nationalbibliographie. Leitfaden zu ihrer Vergabe. 2., überarb.Aufl.** Subject Groups of the German National Bibliography. Guidelines for Assignment. 2nd ed.. (Orig. de). Frankfurt/Main: Deutsche Bibliothek 1994, 171p. ISBN: 3-922051-61-8

0015 **041-de**
Bötte, G.-J.: Sickmüller, D.: **Übersicht über die Systematik des Bandrealkatalogs der Niedersächsischen Staats- und Universitätsbibliothek Göttingen.** Survey on the classification system of the systematic catalog (in bound form) of the State and University Library of Lower Saxony in Göttingen. (Orig. de). Göttingen: Niedersächs.Staats-u.Universitätsbibl. 1993, XIII,75,126p. Göttinger Bibl.schriften 3

042 Universal Decimal Classification.

0016 **042.1-en-397**
UDC Auxiliary Table 1 (e): Common auxiliaries of place (5/9), Asia, S Africa, the Americas, Pacific and circumpolar territories. (Orig. en). Milton Keynes, GB: Brit.Standard.Inst. 1993

0017 **042.2-en**
Universal Decimal Classification. International Medium Edition, ed.2. (Orig. en). Milton Keynes, GB: Brit.Standards Institution 1993, 2 vols. BS 1000 M ISBN: 0-580-22553-4
Vol.1: Systematic Tables, Vol.2: Alphabetic Subject Index (ISBN 0-580-22554-2.

0019 **042.2-fr**
Classificatin Decimale Universelle: Edition Moyenne

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Internationale, 2éd.. (Orig. Ir). Liège, BE: Editions duCEFAL 1993, 628p. ISBN: 2-87130-037-2
The volumes contain as a Pt. 1 the systematic tables of classes 6-9 and as a Pt.2 the index to these tables. In 1990 the Editions CLPCF in Liège had already published the auxiliary tables (1 A-1 K) and the systematic tables 0-5 as well as their index (ISBN 2-87130-024-0).

0019   **042.5**
Extensions and Corrections to the UDC, 1993. (Orig. en). The Hague: UDC Consortium 1993, 129p. Series 15, 1993. ISSN 0014-5424

043 Dewey Decimal Classification.

0020   **043.4-lr**
Béthery, A.: **Abrégé de la Classification Décimale de Dewey.** Nouvelle éd. à partir de la 20ieme édition intégrale en language anglaise. Abridged Dewey Decimal Classification. New edition according to the 20th English-language edition. (Orig. fr). Paris: Ed.du Cercle de la Librairie 1993, 315p. ISBN: 2-7654-0515-8

44 Library of Congress Classification and LCSH.

0021   **044.8**
Library of Congress Subject Headings, 17th ed.. (Orig. en). Washington, DC: Libr. of Congress Cat.& Distr.Service 1994, 4 vols. ISSN 1048-9711
The new edition adds 8,000 new headings and their references; LCSH now has a total of 206,300 headings and references. USD 190 for North America and 230 for outside N.America. There exists also a cumulative Microform Edition (LCSH 17th ed. on Microfiche), distributed quarterly (ISSN 0361-5243), annual subscription USD 95/110 and Update Services (2 updates for 1994, also for 1993 and 1992). Also, an LC Subject Headings Weekly List (ISSN 8755-6146) (for USD 435/465) is available, an uptodate source of the latest subject authority information on new, changed, and deleted headings, distributed monthly.

0022   **044.8-en**
CDMARC Subjects. (Orig. en). Washington, DC: Library of Congress Cat.& Distr.Service 1994 ISSN 1041-2956
The 4-volume Library of Congress Subject Headings are available now on one compact CD-ROM disc. It features a flexibla search mode - complete with keyword searching and full Boolean logic - and a browse mode offering a choice of six indexes. It also features a thesaurus-like LCSH display, as well as a MARC-tagged record display. Annual subscription: USD 360 N.America, 475 Outside N.America. System requirements: IBM PC, XT, AT, PS/2 or compatible. 512 K RAM, at least 500K free RAM plus a 5MB spill file (free space) on a hard disk. DOS 3.1 or higher. CDMARC disks contain up to 680 MB of data in standard 9660 lile format. For further information call Toll Free: 1-800-255-3666 (US only); outside: 202-707-6100, lax: 202-707-1334.

048 Special Classification Systems and Thesauri.

0023   **048-25/27**
New and revised Chemical Abstracts indexing terms - 1992. (Orig. en). Columbus, OH: Amer.Chem.Serv. 1992, 42p.

0024   **048-39**
Geological Survey of Canada: **GEOSCAN thesaurus/Thésaurus GEOSCAN.** (Orig. en). Ottawa, Canada: Geological Survey of Canada 1990, 147p.

0025   **048-46,796**
Zentralstelle f.Agrardokumentation u.Information: **AGROVOC. Mehrsprachiger Thesaurus für die Agrarwissenschaften. 2.Aufl., Dt.Version.** AGROVOC. Multilingual Thesaurus for Agriculture. (Orig. de). Bonn, DE: ZADI 1992

The multilingual thesaurus of the Agricultural Research Information System is published by FAO, Rome. It was started in 1985 under the direction of Ms.M.Bonnichon, supported by Mr.R.Portegies-Zwart and specialists of the AGRIS centers of Spain, USA, France and FAO. Since 1987 a working group enlarged by specialists from Denmark, Portugal and Germany took care of its updating and translation on the basis of proposals from more than 200 AGRIS and CARIS centers and from other partners. The German version has now 14,714 descriptors. The AGROVOC thesaurus is also available in English, Spanish and French. A "Unified Agricultural Thesaurus", combining CABVOC and AGROVOC is planned. (From the book review by M.Scholz, in Mitt.Ges.Bibl.wes.u.Landbau (1993) No.49.

0026   **048-572**
Department of Labor, Bureau of Labor Statistics: **Dictionary of Occupational Titles (Datafile).** (Orig. en). Springfield, VA: NTIS 1994? PB87-194528ADR
This publication is a compilation of 12,099 coded job delinitions classified in nine major categories, 82 two-digit divisions and 559 three-digit groups. 28,800 job titles are included with master titles and definitions, term titles and definitions, glossary terms, and 220 industry designation definitions. Each job definition is rated for estimated interests, aptitudes, educational development, vocational preparation, temperament worker traits, physical demands, and environmental conditions. (USD 240 inside USA, 480 outside). To order call: 703-487-4650. The "dictionary" is also available on magnetic tape.

0027   **048-622**
Caccia, I.: **Human rights thesaurus.** (Orig. en, fr). Ottawa, Canada: University of Ottawa, HRREC 1993, var.pagings
This thesaurus was elaborated within the Human Rights Research and Education Centre, Human Rights Internet of the University of Ottawa. It exists also in a French version.

0028   **048-652**
Pearce, H.J.: **Thesaurus of disability index terms.** (Orig. en). Gloucester, GB: GUiDE Inform.Centre, Glouc.Royal Hosp. 1993, 43p. ISBN: 0-9522171-0-4
The thesaurus of GUiDE (Gloucestershire Updated Information for Disabled and Elderly People) has been developed chiefly as a guide too the filing of reference materials and as a means ol retrieving information from them. It consists of five sections: person, condition, treatment, service, and equipment -with a hierarchical sstructure and an index for the location of subjects within them. Subdivisions within the sections are allocated a running number which is used both for filing and for cross-referral from the index. (From the book-review by A.McCarthy, in Indexer, 19(1994) No.2, p.143.

0029   **048-71/2**
Deutscher Industrie- und Handelstag: **Systematik für IHK-Bibliotheken. 2. Ausgabe.** Classification system for libraries of Houses of Commerce, 2nded.. (Orig. de). Bonn, DE: DIHT, Arb.kreis Kammerbibliotheken 1992

0030   **048-72**
Pajona, P. et al.: **Business and management thesaurus, 2nd ed..** (Orig. en). Fontainebleau: INSEAD 1993 ISBN: 2-9508009-0-4

0031   **048-728**
US Office of Managementand Budget: **Standard Industrial Classilication (SIC) Manual.** (Orig. en). Springfield, VA: NTIS 1994?, 705p. PB87-100012ADR
The manual provides the standardized codes used by the U.S.Government to classify businesses by type of activity. There are also microcomputer versions available. To order call USA 703-487-4650.

0032   **048-76**
Department ol Commerce, Bureau of the Census: **Industry & Product Classification Manual and Numerical List oof Manufactured & Mineral Products.** (Orig. en). Springfield, VA: NTIS 1992 PB89-203772ADR and PB89-238042ADR
The Industry and Product Classification Manual covers the industries of transportation, communications, electric, gas, and sanitary services, wholesale trade, retail trade, and services divisions. The Numeri-

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cal List of Manufactured and Mineral Products ccovers the principal products and services of the manufacturing and mineral industries. They both describe industrial coverage of economic and agriculture censuses within the contextof each SIC division; explain the Census Bureau's interpretation in applying the established concept; and include an alphabetic index to industries for various activities and products for each SIC division.

0033   048-82
Milstead, J. (Ed.): **ASIS Thesaurus of Information Science and Librarianship.** (Orig.en). Medford, NJ: Learned Inform. 1994 ISBN: 0-938734-80-6

0034   048-847,-867
Jones, K.: Moulds, M. (Eds.): **FIAF Classification Scheme for Literature on Film and Television, 2nd rev.and enl.ed..** (Orig. en). London, GB: Int.Feder.of Film Archives 1992, VIII,115p. ISBN: 0-906973-24-4

0035   048-921
Unreal! Hennepin County Library subject headings for fictional characters and places. 2nd ed.. (Orig. en). Jefferson, NC: McFarland 1992, IX,145p. ISBN: 0-89950-733-6

0038   .   048-93
Schneider, Klaus: **Thesaurus zur Erschließung von Musik nach Anlaß, Zweck und Inhalt. 2.überarb.u.erw.Auflage.** Thesaurus for subject analysis of music according to event, purpose and contents. 2nd rev.& enl.ed.. (Orig. de). Berlin: Deutsches Bibliotheksinstitut 1994, XXI,160p. ISBN: 3-87068-460-7

0037   048-9693
Leech, R. etal.: **Thesaurus of archaeological site types, 2nd ed.** (Orig. en). London, GB: Royal Comm. 1992, 213p. Contains ca 3000 terms.

05 Periodicals and Serials.

0038   052
Williamson, N. (Ed.): **Classification Issues for Knowledge Organi-zation.** (Orig. en). Vol.1, No.1 The Hague, NL: Feder.Int.d'Inform. et de Doc. 1995
This newsletter will apear regularly as a section of the FID News Bulleting 4 times a year in January, April, July/Augustand December. This first number contains the same news as also published already in FID/CR News 37 of Knowledge Organization 21(1994)No.4, p.229-230. Future issues will also contain news from ISKO.

0039   055.31
Leach, A. (Ed.): **Key Words: the Newsletter of the American Societyof Indexers.** (Orig. en). Vol.1, No.1 Aransas, TX: Amer.Soc.of Indexers 1992- ISSN 1064-1211
The newsletter replaces the ASI Newsletter and is published (since July/Aug. 1992) six times a year. Annual subscription is USD 30. It is free for ASI members.

06 Conference Reports, Proceedings.

0040   06.92-05-23,844/5
Managing large indexing projects, 1994. (Orig. en). Port Aransas, TX: ASI Admin.Office 1994
3 Papers from the 24th Annual Meeting of the American Society of Indexers, May 23, 1992. Includes "Indexing Encyclopedias and Multivolume Works"by J.Blakeslee, "Newspaper Indexing"by Candace Peterson, and "Periodical Indexing, Design, Management, and Pricing" by Nancy Mulvany and Dorothy Thomas.

0041   06.92-08-26/28
McIlwaine, I.C.: **Book review of Neelameghan, A. et al: Cognitive paradigms in knowledge organization: 2nd International ISKO Conference, Madras, 26-28 Aug.1992.** Bangalore: Sarada Ranganathan Endowment for Libr.Sci. 1992. 446p.. (Orig. en). In: Knowl.Org. Vol.21, No.4 1994, p.236-237

0042   06.92-10-25
Robins, D.: **Book review of Fidel, R., Kwasnik, B., Smith, P.J. (Eds.): Advances in Classification Research, Vol.3: Proceedings of the 3rd ASIS SIG/CR Classificat.,** Research Workshop. Medford, NJ: Learned Inform.1993. VI,181p.. (Orig. en). In: Inform.Process.& ManagementVol.31, No.1 1995, p.148-149

0043   06.93-05,772
Rousseau, L.-J.: **Phraséologie et langues despécialité.** Phraseol-ogy and special languages. (Orig. fr). In: TermNetNews, No.45 1994, p.37-39
Report on a meeting organized by RINT (Reseau International de Néologie et de Terminologie) in May 1993 with 12 papers given on phraseology, all in French.

0044   06.93-08-16/28
Wittek, B.: **Fifth European Summer School in Logic, Language & Information.** (Orig. en). In: Künstliche Intelligenz, No.1 1994, p.36-37
Report on this summer school which was held at the University of Lissabon. 67 scientists from industry, research institutions and univer-sities gave courses, workshops and symposia.

0045   06.93-08-17/18
Heiner-Freiling, M.: **Verbale Sacherschli essung in den neunziger Jahren: eine internationale Tagung in Lissabon.** Verbal subject indexing in the nineties: An international conference in Lissabon. (Orig. de). In: Z.Biblwes.u.Bibliographie Vol.41, No.21994, p.244-246
Report on the conference which assembled 65 participants from 15 countries with presentations of the subject indexing systems of Brazil, Canada, Croatia, France, Germany, Iran, Poland, Portugal, Spain, Great Britain, and USA.

0046   06.93-11-1/5
Barsch-Spörl, B.: Bakhtari, Sh.: **1. Europäischer Case-Based Rea-soning Workshop (EWCBR-93).** First European CBR Workshop. (Orig. de). In: Künstliche Intelligenz, No.1 1994, **p.40-41**

0047   06.93-11-1/5,121
Wess, S.: Althoff, K.-D., Richter, M.M.: **Topics in Case-Based Reasoning.** First European Workshop, EWCBR-993, Kaiserslautern, Germany, Nov.1-5, 1993. Selected Papers. (Orig. en). Berlin/Heidelberg: Springer Verlag 1994, IX,471p. ISBN: 3-540-58330-0
Presentation of the 36 full refereed papers. Case-based reasoning supports knowledge acquisition and problem solving, it is related to machine learning, analogical reasoning, cognitive modeling, similarity and information retrieval.

0048   06.94-05-13/14,31
Wolner, Th.J.: **American Society of Indexers. Annual Conference. Wilson Award. Key Words.** (Orig.en). In: IndexerVol.19, No.21994, p.125-126
Reports on the 28th Annual Meeting of ASI, held at San Diego, California, May 13-14, 1994; the Wilson Award, which was given to Patricia Deminna of Santa Rose, CA; and on the papers of Key Words 93-5 and 6.

0049   06.94-05-25/28,778
Mühlhaus, S.: Löschmann, M.: **Conference on Languages for Specific Purposes, Budapest, May 1994.** (Orig.en). In: Fachsprache Vol.16, No.3-4 1994, p.159-162
Over 300 participants from 18 countries and 4 continents took part in the conference which comprised over 30 sessions within five parallel sections.

0050   06.94-06-22,77
Journée "Terminologie & Information", Paris, le 22 juin 1994. (Orig. fr). In: TermNet News, No.45 1994, p.42-43
Two papers of this meeting are given here as summaries: Ch.Galinski: La terminologie et une culture commune en Europe. - Wiegandt, C.: Les problèmes économiques: couts de production élevés et enjeux mal percus.

0051   06.94-07-3/6
Croft, W.B.: Rijsbergen,k C.J.van: **SIGIR'94. Proceedings of the**

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17th Annual International ACM-SIGIR Conference on Research and Development in Information Retrieval. (Orig. en). Berlin/Heidelberg: Springer Verlag 1994, XI,363p. ISBN:3-540-19889-X
The volume contains a selection of 35 papers of this conference held at Dublin, Ireland in July 1994.

0052   06.94-07-15/17
Kessel, Sh.:**SI Meets at Norwich.** (Orig. en). In:KeyWords Vol.2, No.5 1994,p.9
Report on the program of the annual meeting of the Society of Indexers in Norwich, GB, seen from an American point of view.

0053   06.94-09-14/16
First European ISKO Conference on Environmental Knowledge Organization and Information Management. (Orig. en). In: Knowl.Org. Vol.21, No.4 1994, p.230
Short report on this event having taken place at Bratislava, Slovakia, Sept.14-16, 1994 with almost 100 participants from 21 countries.

0054   06.94-09-14/16
Stancikova, P.: Dahlberg, I. (Eds.): **Environmental Knowledge Organization and Information Management. Supplement Volume.** Proceedings 1stEuropean ISKOConference, 14-16Sept.1994, Bratislava, Slovakia. (Orig. en). Frankfurt/Main: INDEKS Verlag 1995, 96p.ISBN:3-88672-601-0
The supplement volume contains 12 papers which were not available before the conference in order to be included into the main volume (see Knowl.Org.Literature21(1994)No.4, p.247). It contains also the three "country reports" by A.Moshiri, S.Ramotowska,and A.Brown as well as the Recommendations discussed with the reports of the chairpersons at the final conference session. List of participants and name and subject index.
0055 Unger, F.:**Global environmental challenges: An approach towards a new integrative science.** –0056 Felluga, B.: Palmera, M., Lucke, S., Plini, P.:**A classification scheme for a general multilingual Thesaurus for the Environment.**--0057 Bendahmane, H.:**The INFOTERRA Thesaurus of Environmental Terms.** –0058 Kjellström, T.:Ahman, I.G.V., Pfister,A.-M., Lewalle, P.:**Tools for the organization of information in health and environment.** –0059 Pollitt, A.St.: Ellis, G.P., Smith, M.P.: **Using the thesaurus to view and filter environmental databases: An example using EUROVOC to search EPOQUE - the European Parliament Online Query System.**--0060 Benking, H.: Brauer, G.W.:**Visual access and assimilation strategies for prestructuring bodies of environmental knowledge - Proposals and lessons learned.**–0061 Krull, T.:**Some scientometric data about ecological journal publications.** – 0062 Belov, A.: **Towards the compilation of national bi-lingual environmental glossaries.** – 0063 Dusha, I.: **Towards the establishment of an Environmental Information System in Slovakia.**

0064   06.94-09-21/22, 117
Bertino, E.: Urban, S.:**Object-Oriented Methodologies and Systems.** International Symposium ISOOMS'94, Palermo, Italy, Sept.21-22, 1994. Proceedings. (Orig. en). Berlin/Heidelberg: Springer Verlag 1994, X,386p. ISBN:3-540-58451-X
The 25 full papers included cover not only technical areas of object-orientation, such as databases, programming languages, and methodological aspects, but also application areas.

0065   06.94-09-29
Conceptual Retrieval and the Future Thesaurus. (Orig. en). In: Knowl.Org. Vol.21, No.4 1994, p.227
Short report on the special session during the Annual Conference of the German Documentation Society (DGD) at Trier, Sept.29, 1994 organized in cooperation with some DGD Committees and ISKO as well as a committee of the Society for Classification.

0066   06.94-10-05,926
Williamson, N.: **FID/CR Business Meeting, Tokyo, Oct.5, 1994.** (Orig. en). In: Knowl.Org. (FID/CR News 37) Vol.21, No.4 1994, p.232-233
Report on the ongoing activities of the committee including a change of its name into "Classification Research for Knowledge Organiza-

tion". The FID/CR News will henceforth also be published in the FID News Bulletin, not necessarily identical in the wording.

0067   06.94-10,42
McIlwaine, I.C.: **Seminar on 'UDC and its development towards the 21st century'.** (Orig. en). In: Knowl.Org. (FID/CR News 37) Vol.21, No.4 1994, p.231-232
Report on the Seminar held prior to the 47th FID Conference in Japan, Oct.1994.

0068   06.94-10-5/8
Int. Feder. for Information and Documentation:**47th FID Conference and Congress.** Finding New Values and Uses of Information. Sosnic City Omiya, Saitama, Japan, Oct. 5-8, 1994. (Orig. en). 1994
Available via FID, The Hague, P.O.Box 90402 Netherlands.
The volume contains 141 papers presented in 12 Sessions. The following papers are of relevance in this context:
0069 Fugmann, R.:**The limitations of automatic indexing (special invited lecture).**--0070 Kobuchi, Y.: Saito, T., Nunome, H.:**Theoretical considertations on words classification through elementary meanings.**–0071 Wang, Y.C.:Zhou, G.D.: **Automatic segmentation of Chinese words and automatic abstraction and classification of Chinese scientific documents.**–0072 Gu, Y.:**Analysis of the citation system on classics of information science in China.**--0073 Gotoh, T. et al.:**Construction of a terminology database in safety research: For efficient accessing safety information from numerous databases.** --0074 Nakashima, M.: Yeh, L.J., Ito, T.: **A method of characterizing document clusters.** --0075 Merkl, D.: Tjoa, A.M.: **The representation of semantic similarity between documents by using maps: Application of an artificial neural network to organize software libraries.** –0076 Kukulska-Hulme, A.:**Indexing terms for computer documentation: A user-oriented approach.** – 0077 Dewar, A.: Katsura, E.: **Effective multilingual subject searching through Translex.** – 0078 Omae, I.: **One proposal for standardization of operating terms on using the online information retrieval system.** – 0079 Asai, I.: **APTS Code: An Identity coode applicable to various types of documents.**–0080 Zhang, G.: **Standardization of Chinese scientech terminology and information science.**--0081 Rahmstorf, G.:**A new thesaurus structure for semantic retrieval.** – 0082 Nakao, Y.: Anker, G.J.: **Some fundamental principles of terminology database design.**–0084 Anker, G.J.: Sasaki, Y.: **TERM IS- a database design for interactive global sharing and webbing of terminology.** –0085 Tsurumaru, H.: Yoshida, S.:**An approach to extraction of semantic relations from an ordinary Japanese language dictionary.**--0086 Yokoi, T.: **The EDR electronic dictionary and its role in information science.** – 0087 Curras, E.: **An approach to application of systematics to knowledge organization.**–0088 Lai, J.: Chen, H., Fujiwara, Y.:**Extraction of semantic relationships among terms-SS-KWIC.**– 0089 Stancikova, P.: Smihla, M.:**Management system for multilingual terminology applications as vocabularies and terminology databases in all European, Russian, Chinese and Japanese languages.** –0090 Qin, H.:**Conception and perspective of discipline construction of medical information science In China.**--0091 Yao, H.H.: Ishzuka, H., Yeh, L.J.:**Automatic linking methodos based on a functional approach in hypertext systems - Some principles and an experience on mathematic textbooks.** –0092 Kitagawa, T.: Kiyoki, Y.:**A new information retrieval method with a dynamic context recognition mechamism.** --0093 Jeon, K.H.: Choi, K.S.:**Automatic hypertext link generation model using virtual path Information.**– 0094 Pienaar, R.E.:**Subject access in OPACs: Results of a user survey in a university library.**–0095 Li, Y.: Kitagawa, H.: **Joint query optimization In nested relational databases - A generalized query optimization algorithm and its evaluation.** – 0096 Sekine, J.: Machihara, H., Kawashimo, M., Nakagawa, M.: **A methodology for data standardization using a word dictionary.** –0097 Ohbo, N.: Furumoto, Y.:**Efficient use of a spatial Indexing method in a geographic information system (GIS).**

0098   06.94-10-16
Williamson, N.:**ASIS/SIG/CR.** (Orig. en). In: Knowl.Org. Vol.21, No.4 1994, p.233-234

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Report on the ASIS/SIG/CR Workshop held prior to the ASIS Conference at Alexandria, VA, Oct.16, 1994, as well as on the special SIG/CR Sessions during the ASIS conference.

0099   **06.94-10-23/25**
Williamson, N.: **Allerton Institute on New Roles for Classification in Library and Information Networks.** (Orig. en). In: Knowl.Org. Vol.21 , No.4 1994, p.235
Report on this institute, held at Allerton Park and Conference Center, Monticello, IL on Oct.23-25, 1994.

0100   **06.94-11-2/4**
The Added Value of Information. (Orig. en). In: Knowl.Org. Vol.21 , No.4 1994,p.227
Short report on the relevant papers given at the 4th International Symposium for Information Science, held at Graz, Austria, Nov.2-4, 1994.

0101   **06.94-12-1/2**
Categories, Objects, and Structures of Knowledge. (Orig. en). In: Knowl.Org. Vol.21 , No.4 1994, p.230
Short report on a two-day seminar held at the Consiglio Nazionale delle Ricerche, Roma, 1-2 Dec.1994.

0102   **06.95-10-17/29**
Call for Papers. Wissensorganisation'95. Case-Based Reasoning (Schwerpunktthema). (Orig. en, de). In: Knowl.Org. Vol.21 , No.3 1994, p.160 and U4
Rationale and list of 5 major topics for the 4th biennial conference of the German ISKO Chapter, Trier, 17-20 Oct. 1995, University of Trier.

07 Text Books

08 Other Monographs

0103   **08**
Galinski, Ch.: Book review of Vogel, E.: **Informationsmanagement. Berufliche Anforderungen und Konsequenzen für die Ausbildung.** (Information Management. Professional requirements and their impact on education). Konstanz: Universitas Verlag 1992. (Orig. de). In: Knowl.Org. Vol.21 , No.4 1994, p.239-241

0104   **08**
Krause, J.: **Book review of Best, H., Endres-Niggemeyer, B., Herfurth, M., Ohly, P.H. (Eds.).** Informations- und Wissensverarbeitung in den Sozialwissenschaften. Opladen: Westdeutscher Verlag 1994. 623p.. Information and knowledge processing in the social sciences. Contributions towards realization of new information technologies. (Orig. de). In: Knowl.Org. Vol.21 , No.3 1994, p.167-168

0105   **08**
Crawford, G.A.: **Book review of Mann, T.: Library research models: A guide to classification, cataloging and computers. New York: Oxford Univ.Press 1992. XII,248p..** (Orig. en). In: Inform.Process.& Management Vol.31 , No.2 1995, p.252-253

09 Standards, Guidelines.

0106   **09.26**
ISO 832:1994. Information and Documentation - Bibliographic description and references- Rules for the abbreviation of bibliographic terms. (Orig. en). Geneva, Switzerland: Int.Standard.Org. 1994

0107   **09.262**
Z39.46-1993. Extended Latin alphabet coded character set for bibliographic use. (Orig. en). Oxon Hill, MD: NISO Press Fulfillment 1993

0108   **09.357**
ISO 12083-1994. Information and Documentation - Electronic manuscript preparation and markup. (Orig. en). Geneva, Switzerland: Int.Standard.Org. 1994
The standard is a result of the work of ISO/TC 46.

0109   **09.387**
Z39.58-1992. Common Command Language for online interactive information retrieval. (Orig. en). Oxon Hill, MD: NISO Press Fulfillment 1992

0110   **09.776**
ISO/TR 12618:1994. Computational aids in terminology - Creation and use of terminological databases and text corpora. (Orig. en). Geneva, Switzerland: Int.Standard.Org. 1994
The standard is the result of the work of ISO/TC 37.

1 Theoretical Foundations and General Problems

11 Order and Knowledge Organization (KO)

0111   **111**
Quinn, B.: **Recent theoretical approaches In classification and Indexing.** (Orig.en). In: Knowl.Org. Vol.21 , No.3 1994, p.140-147, 40 refs.

0112   **115**
Hall, A.V.: **Understanding the powerful grouping sense through a unifying classification theory.** (Orig. en). In: Knowl.Org. Vol.21 , No.3 1994, p.126-131, 30 refs.

0113   **119**
Kiel, E.: **Knowledge organization needs epistemological openness. A reply to Peter Jaenecke.** (Orig. en). , p.148-152, 20 refs.

12 Conceptology in KO

13 Mathematics in KO

14 Systems Theory and KO.

0114   **142**
Mainzer, K.: **Thinking in complexity. The dynamics of matter, mind, and mankind.** (Orig. en). Berlin/Heidelberg: Springer Verlag 1994, X,329p., 118 figs. ISBN: 3-540-57597-9
The new integrative approach of complexity theory can give new insights that were not available using traditional reductionistic methods.

0115   **147**
Archambault, D.: Bassano, J.-C.: **De l'utilisation des méthodes connexionnistes pour le traitement du langage naturel.** On the use of connectionist methods for the treatment of natural language. (Orig. fr). In: L'Informatique Documentaire , No.51 1993, p.15-30, 61 refs.

15 Psychology and KO.

0116   **152**
Bruneau, A.-Ph.: **Geometrical patterns underlying human intelligence: Implications In Information retrieval.** (Orig. en). In: Knowl.Org. Vol.21 , No.3 1994, p.132-139, 21 refs.

0117   **155**
Koshman, S.: **Categorization and classification revisited: A review of concept in library science and cognitive psychology.**

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57

(Orig. en). In: Current Studies in Librnship Vol.17, No.1/2 1993, p.26-41, refs.

0118   156
Corbridge, C.: Rugg, G., Major, N.P., Shadbolt,N.R.,Burton, A.M.: **Laddering: Technique and tool use in knowledge acquisition.** (Orig. en). In: Knowl.Acquisition Vol.6 1994, p.315-341, 36 refs.
Laddering is a structured questioning technique derived from the repertory grid technique, enabling a hierarchy of concepts to be established. Previous empirical studies have demonstrated its utility for knowledge elicitation in two classificatory domains. In this paper, three experimental studies of laddering are described. (Authors, abbr.)

0119   156
Eriksson, H.: Puerta, A.R., Musen, M.A.: **Generation of knowledge-acquisition tools from domain ontologies.** (Orig. en). In: Int.J.Human-ComputerStudies Vol.41 1994, p.425-453, 23 refs.
Metalevel tools can support the software development process by automating the design of task- and application-specific tools. DASH is a metalevel tool that allows developers to generate domain-specific knowledge-acquisition tools from domain ontologies. Domain specialists use the knowledge-acquisition tools generated by DASH to instantiate the concepts and relationships defined in the domain ontologies. The output of the knowledge-acquisition tools is a collection of instances that constitute the knowledge-based system. (Authors, abbr.)

0120   156
Nwana, H.S.: Bench-Capon, T., Paton, R.C., Shave, J.R.: **Domain-driven knowledge modelling for knowledge acquisition.** (Orig. en). In: Knowl.Acquisition Vol.6 1994, p.243-270, 73 refs.

0121   156
Nielsen, J.: **Estimating the number of subjects needed for a thinking aloud test.** (Orig. en). In: Int.J.Human-Computer Studies Vol.41 1994, p.385-397, 15 refs.
Two sstudies of using the thinking alout method for user interface testing showed that experimenters who were not usability specialists could use the method. However, they found only 28-30% of known usability problems when running a single test subject. Running more test subjects increased the number of problems found, but with progressively diminishing returns; after five test subjects 77-85% of the problems had been found. (Author)

0122   156
Olson, D.L.: Mechitov, A.I., Moshkovich, H.M.: **The role of rules and examples in the process of knowledge acquisition in direct classification tasks.** (Orig. en). In: Expert Systems with Applicat. Vol.8, No.1 1995, p.203-212

16 Science and Knowledge Organization.

0123   165
Courtial, J.P.: Cahlik, T., Callon, M.: **A model for social interaction between cognition and action through a key-word simulation of knowledge growth.** (Orig. en). In: Scientometrics Vol.31, No.2 1994, p.173-192, 11 refs.

0124   165
Wersig, G.: **Book review of Spinner, H.F.: Die Wissensordnung. Ein Leitkonzept für die dritte Grundordnung des Informationszeitalters. Opladen: Leske+Budrich 1994.** 273p.. Knowledge order. A guiding concept for the third basic order of the information age. (Orig. en). In: Knowl.Org.1994 Vol.3 21, p.162-163

0125   165
Capurro, R.: **Book review (of same title as under 0124).** (Orig. en). In: Knowl.Org. Vol.21, No.4 1994, p.242-243

0126   165
Nohr, H.: **Technology Assessment - a challenge to knowledge organization.** (Orig. en). In: Knowl.Org. Vol.21, No.4 1994, p.224-226, 14 refs.

0127   165
Metcalfe, J.: Shimamura, A.P. (Eds.): **Metacognition: Knowing about knowing.** (Orig. en). Cambridge, MA: MIT Press (A Bradford Book) 1994, Xiii,334p.

Bryce Allen, who reviewed this book for Inform.Processing & Management (31(81995)No.2, p.261-2) pointed out that the chapters "Why investigate metacognition?" and "Methodological problems and pitfalls in the study of human metacognition" may be of great interest to readers who wish a survey of this area of research. There are also chapters on phenomena of metacognition such as tip-of-the-tongue events, the feeling of knowing and memory monitoring, links of metacognition to neurophysiology and individual differences associated with aging. Applied research is also included in chapters on eyewitness recall, training and problem solving.

0128   165.77
Grinev, S.V.: **Terminological aspects of simulation of knowledge growth.** (Orig. en). In: Mitt.f.Terminol.u.Wiss.transf., No.3-4 1993, p.18-22

17 Problems in KO.

0129   179
Heim, M.: **The metaphysics of virtual reality.** (Orig. en). New York, NY: Oxford University Press 1993, XXIII,175p. ISBN:0-19-508178-1
In his book review of Heim's work, G.Philippe Menos (Libr.Quarterly 64(1994)No.4, p.454-57) states that "Leibniz's teaching provides a crucial philosophical guide in Heim's understanding of the structure of cyberspace. In this approach, Leibniz's monadolgy and his truth machine - the characteristica universalis - ... are used as metaphors for describing human participation in virtual realities". He points out that this line of thinking merits closer examination and scrutiny.

18 Classification Research

19 History of KO.

0130   194
Lorenz, B.: **Notizen zur Geschichte dezimaler Notationen.** Notes on the history of decimal notation. (Orig. de). In: Biblos Vol.43, No.1-2 1994, p.81-84
Juxtaposition of a number of classification systems using 10 main classes with the possibility of applying a decimal notation starting with Leibniz and ending with Dewey.

0131   196
Weijers, O. (Ed.): **Vocabulaire des collèges universitaires (XIIIe-XVIe siècles).** Vocabularies of university colleges in the 13th to the 16th centuries. (Orig. fr). Actes du colloque Leuven, 9-11 avril 1992. Turnhout: Brepols 1993, 185p.
The volume contains 11 contributions of a conference on medieval university history which was organized by the Comité International du vocabulaire des institutions et de la communication intellectuelles du moyen age. H.P.Neuheuser, in his review (Bibliothek 18(1994)No.2, p.271) points out that the contributions reflect the situations at several universities all over Europe. Especially of interest are the conceptual analyses of technical terms e.g. used for administration and functioning of esstablishments, for knowledge transfer and the persons involved. Also the organization library activities play a role here. The volume includes an "index des termes techniques".

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

21 General Questions of CS & T.

0132   212
Agarwal, M.L.: Sharma, S.G.: **Classificatory language- an artificial/
technical language.** (Orig. en). In: Annals of Libr.Sci.& Doc. Vol.41 ,
No.1 1994, p.19-22, 8 refs.

0133   212
Lubkov, M.: **Un thesaurus: pourquoi et comment?.** A thesaurus:
why and how?. (Orig. fr). In: Archimag , No.70 1994, p.49-51

Discussion of the usefulness of a thesaurus. What kind in which case
and for which use?

0134   214
Lubkov, M.: **Mots-clés, thesaurus et logiciels.** Keywords, thesau-
rus and software. (Orig. fr). In: Archimag , No.75 1994, p.44-47

0135   217
Risko, A.: **The role of bibliographic languages in bibliographic
databases.** (Orig. sk). In: Kniznice a Informacie Vol.26 , No.4 1994,
p.141-7, refs.

0136   217
Susol, J.: **Authority files and their role in automated library
Information systems.** (Orig. sk).In: Kniznice a Informacie Vol.26, No.5
1994, p.189-195, refs.

0t37   218
Jurcackova, Z.: **Theoretical aspects of an information retrieval
language application.** (Orig. sk). In: Kniznice a Informacie Vol.24 ,
No.10 1992, p.425-428

22 Structure and Elements of CS & T.

0138   226.982
Franz, L.: Powell, J., Jude, S., Drabenstott, K.M.: **End-user under-
standing of subdivided subject headings.** (Orig. en). In:
Libr.Resources & Techn.Serv. Vol.38 , No.3 1994, p.213-226

0139   226
Gopinath, M.A.: **Descriptors and their role in information retrieval.**
(Orig. en). In: Libr.Sci.Slant Doc.Inf.Stud. Vol.30 , No.3 1993, p.118-
123, 5 refs.

0140   226
Rogers, M.N.: **Are we on equal terms? Subject headings concern-
ing women In LCSH, 1975-1991.** (Orig. en). In: Libr.Resources &
Techn.Serv. Vol.37 , No.2 1993, p.181-196
Investigated the way terms related to the feminine gender were given
in the volumes of the Library of Congress Subject Headings.

0141   227
Kunz, M.: **Zerlegungskontrolle als Teil der terminologischen
Kontrolle in der SWD.** Component analysis as part of a terminologi-
cal control in the Standard Subject Heading List. (Orig. de). In: Dialog
Bibl. Vol.6 , No.2 1994, p. 14-23

23 Construction of CS & T.

0142   233.276
Negrini, G.: **CLASTHES: a thesaurofacet creator.** (Orig. en). In:
Libr.Sci.Slant Doc.Inf.Stud. Vol.31 , No.1 1994, p.1-12, 6 refs.
Description of CLASTHES, a specific software package created on an
Apple Macintosh II fx platform by the ISRDS in order to structure a
system of concepts defined both as the conceptual expression of the
structural relationship of a whole - i.e., the image of the external
structure of the system - and as the structural relationship between the
individual elements within the system itself. The external structure,
which is the general structure of the system, is created by means of
thesaurus facets, here defined as areas, while the internal structure is
represented by the relationships linking the single elements attributed
to the various areas. (Author)

24 Relationships.

0143   242/3
Binwal, J.C.: **Modes of formation of subjects: fountain-head of
concept organization in indexing languages.** (Orig. en). In: J.Libr.&
Inform.Sci. Vol.18 , No.1 1993, p.32-42, refs.

0144   242
Mereologies. (Orig. en). In: Axiomathes Vol.5 , No.1 1994, p.5-175
The entire issue of this journal is devoted to various aspects of the
partition relationship, here named Mereology. After an introduction by
L.Albertazzi and M.Libardo the following articles are presented in
English except for one in German. As the articles are well founded on
existing literature we are giving in the following also the number of
references in each case.
0145 Libardi, M.: **Applications and limits of mereology.** From the
theory of parts to the theory of wholes (21 refs.). – 0146 Baumgartner,
W.: Simons, P.: **Brentano's mereology (83 refs.).** – 0147 Henry,
D.P.: **Impenetrability, overlapping, and connumeration (37 refs.).**
– 0148 Kaiser El-Safti, M.: **Carl Stumpfs Lehre vom Ganzen und
den Teilen (75 refs.).** The teachings of C.Stumpf on the whole and the
parts. – 0149 Willard, D.: **Mereological essentialism restricted (13
refs.).** – 0150 Albertazzi, L.: **The psychological whole.** 1: The
temporal parts of presentation (116 refs.).

0151   242/3
Perreault, J.M.: **Categories and relators: A new schema.** (Orig. en).
In: Knowl.Org. Vol.21 , No.4 1994, p.189-198, 30 refs.
Reprint of an article which appeared in Rev.Int.Doc.32 (1965) No.4,
p.136-144, also reprinted in the FID/CR Report No.4 and the author's
book "Towards a theory for UDC". London: C.Bingley 1969, p.119-
148, including the author's emendations.

0152   247, 124
Barrett, A.R.: Edwards, J.S.: **Knowledge elicitation and knowledge
representation In a large domain with multiple experts.** (Orig. en).
In: Expert Syst. with Applications Vol.8 , No.1 1995, p.169-176, 16 refs.
The paper describes the knowledge elicitation and knowledge repre-
sentation aspects of a system being developed to help with the design
and maintenance of relational data bases. (Author, abbr.)

0153   247
Meier, A.: **Relationale Datenbanken. 2. Auflage.** Eine Einführung in
die Praxis. Relational databases. An introduction into practice. 2nd
ed.. (Orig. de). Berlin/Heidelberg: Springer Verlag 1995, XI,180p.
ISBN: 3-540-57486-7

25 Numerical Taxonomy.

0154   253
Shah, K.L.: **Interpreting readership data: a new multivariate ap-
proach through visualization.** (Orig. en). In: Libr.Sci.Slant
Doc.Inf.Stud. Vol.30 , No.3 1993, p.103-117, 6 refs.
Multivariate Analysis is a fresh wave of data analysis in informetrics
in general and the readership data in particular, where most of the data
are continuous or/and categorical. The already published categorical
data are popularly called Correspondence Analysis (CA). (The method
can also combine continuous and categorial data for the analysis and
also provide further results based on CA). The method utilizes PCA
approach to reduce the dimensionality of the row-column data and
offers several options to analyse the categorical data and provides
visualization of the row and column points for easy interpretation.
(Author, abbr.)

0155   254
Vach, W.: **Preserving consensus hierarchies.** (Orig. en). In: J.of
Classif. Vol.11 , No.1 1994, p.59-77, refs.

0156   255
Hamada, A.H.: **Reconnaissance de symboles techniques et ana-
lyse contextuelle de schémas.** Recognitioon of technical symbols
and contextual analysis of schemes. (Orig. fr). INP Lorraine, France:
Doctoral Thesis, Information Science 1993

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                                                              59

0157 258,753
Kirriemuir, J.W.: Willett, P.:**Clustering the output of multi-database online searches.** (Orig. en). In: Inform.Research Notes Vol.5 , No.2 1994, p.12-17, 13 refs.

0158 258-91
McDermott, E.: Katagiri, Sh.:**Prototype-based minimum classification error/generalized probabilistic descent training for various speech units.** (Orig. en). In: Computer Speech and Language Vol.8 1994, p.351-368, 30 refs.

0159 258
Young, S.J.: Woodland,P.C.: **State clustering in hidden Markov model-based continuous speech recognition.** (Orig. en). In: Computer Speech and Language Vol.8 1994, p.369-383, 16 refs.

26 Notation, Codes.
See also 0009, 0010, 0106, 0107

0160 265.213
Klauss, H.:**Elektronische Unterstützung der Vercutterung.** Electronic support of Cutter classification use. (Orig. de). In: Bibliotheksdienst Vol.28 , No.4 1994, p.523-7
Description of the application of the Cutter-Sanborn tables together with the Regensburg automated system for classification number formation at the Europa University Library in Viadrina, Frankfurt on Oder which uses the Siemens SIKIS computer system.

27 Revision and Maintenance of CS and T
See also 0142

28 Compatibility and Concordances between Indexing Languages.
See also 0228

0161 284
Nöther, I.: **Modell einer Konkordanz-Klassifikation für Systematische Kataloge. 1.** Model of a concordance classification for systematic catalogues, Pt.1. (Orig. de). In: Bibliotheksdienst Vol.28 , No.1 1994, p.15-33, refs.
Proposal to establish a concordance classification between the different kinds of classification systems used in the systematic catalogues of German scientific libraries. The concordance classification should be hierarchic, analytical but also syntactically free.

0162 284
Nöther, I.: **Modell einer Konkordanz-Klassifikation für Systematische Kataloge, Teil 2.** Model of a concordance classification system for systematic catalogues, Part 2. (Orig. de). In: Bibliotheksdienst Vol.28 , No.2 19994, p.175-187, refs.
Four classification systems were investigated in order to select the most suitable for a concordance classification between systematic catalogues. The Dewey Decimal Classification was considered the best one. A model is now being tested in general subjects such as music and arts.

0163 284
Scibor, E.: Tomasik-Beck, J.: **On the establishment of concordances between indexing languages having a universal or interdisciplinary scope (Polish experience).** (Orig. en). In: Knowl.Org. Vol.21 , No.4 1994, p.203-212, 10 refs.

0164 284
Department of Commerce, Bureau of the Census: **Concordance between the Standard Industrial Classification of the U.S. and Canada.** (Orig. en). Springfield, VA: NTIS 1993?, 262p. PB91-155291ADR
The concordance was jointly prepared by the US Dept.of Commerce and Statistics Canada. It presents a concordance between the 1987 U.S. Standard Industrial Code (SIC) and the 1980 Canadian SIC. It identifies the two national SICs and provides a standard for relating establishment-based statistical data collected and published by the two other countries, in terms of one or the other SIC.

29 Evaluation of CS & T.

0165 291
Bingi, R.: Khazanchi, D., Yadaw, Ss.B.: **A framework for the comparative analysis and evaluation of knowledge representation schemes.** (Orig. en). In: Inform.Process.& Management Vol.31 , No.2 1995, p.233-2477, 53 refs.
The dimensions of the framework suggest that knowledge representation schemes should possess a suitable mix of four basic considerations: Representational adequacy (variety of expressiveness, modularity, semantics, and organization of knowledge); inference methods (reasoning strategies, data, control and search strategies); and inference requirements (computational efficiency, transparency of line of control, completeness, and consistency). (Authors, abbr.)

0166 295
Tonta, Y.:**LCSH and PRECIS in library and information science. A comparative study.** (Orig. en). Champaign, IL: Univ.of IL, GSLIS 1992, 68p. Occ.Papers No.194

3 Classing and Indexing (C&I) (Meth.).

31 Theory of Classifng and Indexing.
See also 0004, 0039, 0048

0167 31.05
(Perspectives on Indexing). (Orig. en). In: J.Amer.Soc.Inform.Sci. Vol.45 , No.8 1994, p.570-636, refs.
This issue of JASIS has a special section on indexing. Its articles have been placed at their relevant positions in this issue.

0168 31.07
Fetters, L.:**Handbook of Indexing Techniques: A Guide for Beginning Indexers.** (Orig. en). Port Aransas, TX:Amer.Soc.of Indexers 1994

0169 31.07
Weinberg, B.H.: **Book review of Fugmann, R.: Subject analysis and indexing: Theoretical foundation and practical advice.** (Orig. en). In: Libr.Resources & Techn.Serv. Vol.38 , No.3 1994, p.324-325, 5 refs.

0170 311,851
Wellisch, H.H.: **Book and periodical indexing.** (Orig. en). In: J.Amer.Soc.Inform.Sci. Vol.45 , No.8 1994, p.620-627

0171 311.183
Milstead, J.: **Needs for research in indexing.** (Orig. en). In: J.Amer.Soc.Inform.Sci. Vol.45 , No.8 1994, p.577-82, refs.

0172 311.982
Fidel, R.: **User-centered indexing.** (Orig. en). In: J.Amer.Soc.Inform.Sci. Vol.45 , No.8 1994, p.572-6, refs.

0173 312
Senga, M.:**An invitation to book classification 20: classification in the National Diet Library (2).** (Orig. ja). In: Biblos (Japan) Vol.45 , No.1 1994, p.15-19

0174 313
Al-Kharashi, I.A.: Evens, M.W.: **Comparing words, stems, and roots as index terms in an Arabic information retrieval system.** (Orig. en). In: J.Amer.Soc.Inform.Sci. Vol.45 , No.8 1994, p.548-60, refs.

01775 313
Lipetz, B.-A.: **Better indexing with cool heads and subheads.** (Orig. en). In: Key Words Vol.2 , No.2 1994, p.17-19, 5 refs.
Reply to a critique by B.H.Weinberg on a paper treating the question of how one might rationally establish for an index the ideal ratio of subheadings to headings.

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0176   **314**
Mallory, M.: Moran, G.: **Scholarly search for the truth, and problems associated with Indexing/abstracting.** (Orig. en). In: Indexer Vol.19, No.2 1994, p.99-101, 16 refs.
Points out the dependence of scholars on accurate and impartial indexing and abstracting, with particular reference to the Guido Riccio controversy in art history studies.

0177   **318.918**
McFadden, T.G.: **Indexing the Internet.** (Orig. en). In: Learned Publishing Vol.7, No.1 1994, p.17-27, refs.

Revised version of paper published in the proceedings of the 25th Annual Meeting of the Amer.Soc.Indexers, p.95-109.

0178   **318-9**
Tibbo, H.R.: **Indexing for humanities.** (Orig. en). In: J.Amer.Soc.Inform.Sci. Vol.45, No.8 1994, p.607-619, refs.
Concludes that for indexing the fields in the humanities, new controlled vocabularies and indexing frameworks are needed which reflect the nature of humanistic scholarship.

32 Subject Analysis.
See also 0195

0179   **321**
Endres-Niggemeyer, B.: **Summarizing text for intelligent communication.** Results of the Dagstuhl Seminar. (Orig.en). In: Knowl.Org. Vol.21, No.4 1994, p.213-223, 42 refs.

0180   **322.132**
Friedrich, H.: **Analysis of factual data using fuzzy logic.** (Orig. en). In: Quart.Bull.Int.Ass.Agr.Inf.Sp. Vol.39, No.1-2 1994, p.130-3, refs.

0181   **322**
Kando, N.: **Functional structure analysis of research articles selected from three specialties: Automatic category assignment.** (Orig. ja). In: Libr.Inform.Sci. (Japan), No.31 1993, p.25-38, 12 refs.

0182   **322**
Kando, N.: **Structure analysis of Information media using the categories: Re-examination of the criterion based on linguistic consideration.** (Orig. ja). In: Libr.Inform.Sci. (Japan), No.31 1993, p.39-49, 17 refs.

0183   **322**
Kando, N.: **Functional structure analysis of research articles and its applications: extraction of sentences describing the state of the art from articles on Vira. I Hepatitis C and automatic category assignment.** (Orig. ja). In: Annals Japan Soc.Libr.Sci. Vol.40, No.2 1994, p.49-61, refs.

00184   **323**
Chu, C.M.: O'Brien, A.: **Subject analysis: The critical first stage in indexing.** (Orig.en). In: J.Inform.Sci. Vol. 19, No.6 1993, p.439-454, 12 refs.

0185   **324**
Leifer, R.: Lee, S., Durgee, J.: **Deep structures: Real information requirements determination.** (Orig. en). In: Inform. & Management Vol.27 1994, p.275-285, 41 refs.
The authors argue that a class of information is missing in the traditional ways of subject analysis: "deep structure" information consists of the values, beliefs, and unwritten rules in an organization.

0186   **324**
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0187   **324**
Solomon, M.: **Content analysis: A potent tool in the searcher's arsenal.** (Orig. en). In: Database, No.April 1993, p.62-65

0188   **326**
Ruda, S.: **Maschinenunterstützte Kondensierung von Fachtexten mit CONNY.** Abstracting am Beispiel eines "Nachrichten für Dokumentation"-Textkorpus. Machine-supported condensation of technical texts with CONNY. Abstracting by taking a text corpus of Nachr.Dok. as an example. (Orig. de). In: Nachr.Dok. Vol.45 1994, p.335-342, 14 refs.

0189   **327**
Gödert, W.: **Inhaltliche Erschließung mehrbändiger Werke.** Eine Notiz zu der Frage, was wir als bibliographische Identität betrachten wollen. Subject analysis of multivolume works. A note on the problem what is to be considered a bibliographic identity. (Orig. de)., p.40-44, 6 refs.

0190   **328-265,3438-265**
Okada, S.: Okada, K.: **Application of automated structure analysis to some organic compounds using PCs. 3. Crystallographic programs.** (Orig. en). In: J.Chem.Inform.& Comput.Sci. Vol.34, No.4 1994, p.972-5, refs.
Describes the application of the DIRECT-SEARCHER automatic system, designed to carry out the calculations for the structure analysis of organic compounds from crystallographic data.

33 Classing and Indexing Techniques.

0191   **335**
Gödert, W.: **Vom Nutzen einer syntaktischen Indexierung im Online Retrieval.** On the usefulness of syntactic indexing in online retrieval. (Orig. de). In: Bibliotheksdienst Vol.28, No.5 1994, p.654-674, 12 refs.

0192   **335**
Nolte, A.: **Keine Akzeptanz. Zu Winfried Gödert: Vom Nutzen einer syntaktischen Indexierung Im Online-Retrieval.** Not accepted. Concerning W.Gödert's article on the usefulness of syntactic indexing in online retrieval. (Orig. de). In: Bibliotheksdienst Vol.28, No.7 1994, p.1134-1136, 3 refs.

0193   **337**
Jacobs, Ch.: Arsenault, C.: **Wordscan't describe it: Streamlining PRECIS just for laughs!.** (Orig.en). In: Indexer Vol.19, No.2 1994, p.88-92, 4 refs.
A modified version of PRECIS was adopted for the subject access in the Musée... pourrire, the international museum of humor in Montreal, Canada.

34 Automatic Classing and Indexing.
See also 0212

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Lepsky, K.: **Maschinelle Indexierung von Titelaufnahmen zur Verbesserung der sachlichen Erschließung in Online-Publikumskatalogen.** Machine indexing of bibliographic records to improve subject access in OPACs. (Orig. de). Köln, DE: Greven 1994, V, 121 p. Kölner Arb.Bibl.u.Dok.wes. 18 ISBN: 3-7743-0572-2

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Salton, G.: Allen, J., Buckley, C., Singhal, A.: **Automatic analysis, theme generation, and summarization of machine-readable data.** (Orig. en). In: Science Vol.264, No.5164 1994, p.1421-1426, 15 refs.

0196   **346**
Bertrand, A.: **Compréhension et catégorisation dans une activité complexe, l'indexation de documents scientifiques.** Comprehension and categorization in a complex activity, indexing of scientific documents. (Orig. fr). Toulouse 2, FR: Doctoral Thesis, Psychology 1993

0197   **348.117**
Burneau, J.-Ch.: Thiery, O.: **A procedure to classify evolving objects in object-oriented knowledgebases.** (Orig.fr). Vandoeuvre (Nancy) FR: Centre de Recherche en Informatique 1992, 8 p.

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Chen, H.; Hsu, P., Orwig, R., Hoopes, L., Nunamaker, J.F.: **Automatic concept classification of text from electronic meetings.** (Orig. en). In: Comm.ACM Vol.37 , No.10 1994, p.56-73, 25 refs.
Results from research into adopting an AI approach to designing an automatic concept classification tool for electronic brainstorming output. Through extensive content analysis, concept space generation, and neural network-based concept classification, the system can generate a tentative list of important ideas and topics presented in meeting comments. Participants can examine, revise or augment the system's suggested list.

35 Manual and Automatic Ordering.

0199 **356**
Bateman, J.; Teich, E., Haenelt, K.etal.: **DoT - Documents to think with: Integration linguistischer und Hypermedia Publikationssysteme.** (Orig. de). In: GMD-Spiegel , No.4 1994, p.47

0200 **356**
Ells, D.; Haines, J.F.: **On the creation of hypertext links in full-text documents: measurement of inter-linker consistency.** (Orig. en). In: J.Doc.1994 Vol.250, p.67-98, 43 refs.

0201 **356**
Frei, H.P.; Stieger, D.: **The use of semantic links in hypertext information retrieval.** (Orig. en). In: Inform.Process.& Management Vol.31 , No.1 1995, p.1-13, 18 refs.
It is shown how the semantic content of hypertext links can be used for retrieval purposes. Indexing and retrieval algorithms are presented that exploit the link content in addition to the content of the nodes. The results of some retrieval experiments in a hypertext test collection are presented. (Authors, abbr.)

0202 **356**
Snaprud, M.; Kaindl, H.: **Types and inheritance in hypertext.** (Orig. en). In: Int.J.Human-Computer Studies Vol.41 1994, p.223-241, 39 refs.

0203 **356**
Langford, D.: **Evaluating a hypertext document.** (Orig.en). In: Aslib Proc. Vol.45 , No.9 1993, p.221-226, 10 refs.
Drawing on practical, academic and commercial experience, this paper addresses some of the ways in which a hypertext document may be effectively evaluated.

0204 **357**
Popham, M.: **An update on SGML.** (Orig. en). In: Inform.Management & Technol. Vol.27 , No.6 1994, p.247-250, 262

0205 **357**
Rieger, W.: **SGML für die Praxis.** Ansatz und Einsatz von ISO 8879. SGML for practical application according to ISO 8879. (Orig. de). Berlin/Heidelberg: Springer Verlag 1994, 250p.ISBN:3-540-57534-0
A diskette is given together with this introductory text into the advantages and application areas of SGML, which also treats the different components of document-type-definitions and gives a survey on the software available for SGML.

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36 Coding.

0207 **364**
Traiser, W.: **Notationsvergabe bei RSWK-Ketten mit Hilfe der SWD-Systematik.** Notation assignments to RSWK-chains with the help of the SWD systematics. (Orig. de). In: Dialog Bibl. Vol.6 , No.2 1994, p.28-32

The semi-annual and multi-annual bibliographies of the German Library will no more longer include a classification of single subject headings. From 1994 onward the user will get more precise subject information by a "chain-systematization" relating to the SWD Classification System.

37 Reclassification.

0208 **374**
Jochheim, C.; Prien, C.: **Katalogkonversion in einer Spezialbibliothek unter Einbeziehung von Fremdleistungen.** Catalogue conversion in a special library. (Orig. de). In: Anwendung von PCs in Bibliotheken Berlin, DE: Dt.Bibliotheksinstitut 1994, p.239-309 Arb.Hilfen f.Spezialbibl. 5,2

0209 **377,847**
Wharton, J.: **The archive of newspaper cuttings relating to the GDR at the University of Nottingham and the project to make it accessible to users.** (Orig. en). In: German Studies Libr.Group NL, No.16 1994, p.18-24, refs.

Gives a brief account of the ESRC-funded project to reclassify and index the newspaper cuttings collected by the British Military goernment in Berlin between 1946 and 1981, how held by the University of Nottingham Library. The index was compiled using dBase 4.

38 Index Generation and Programs.
See also 0005, 0109

0210 **382**
Sher, D.N.: **Poetry in indexes.** (Orig. en). In: Indexer Vol.19 , No.2 1994, p.102-104, 10 refs.
Indexers are compared to poets: for both groups the basic tool of trade is language, including the relationships of words, ideas, and concepts. Emphasized is the creativity of both groups in extracting, condensing, and arranging language to guide their audiences to their objectives.

0211 **383**
0211: Canganelli, P.: **Sonar bookends: index generation.** (Orig. en). In: Electronic Library Vol.12 , No.4 1994, p.253-4
Description of the Sonar Bookends software package designed to produce detailed full text indexes for inclusion with documents produced by word processing, desktop publishing, or file management systems.

0212 **384,349**
Mulvany, N.; Milstead, J.: **Indexicon, the only fully automatic indexer: A review.** (Orig. en). In: KeyWords Vol.2 , No.5 1994, p.17-23, 3 refs.

0213 **3866**
Coughlin, M.: **How I use CINDEX.** (Orig.en). In: KeyWords Vol.2, No.5 1994, p.12-16

0214 **386**
Fetters, L.: **Updates from Heavyweights.** (Orig. en). In: Key Words Vol.2, No.2 1994, p.6-9
Describes Macrex Version 6.0 and Cindex Version 6.

0215 **386,147,715**
Espinasse, B.: **A cognitivist model for decision support: COGITA project, a problem formulation assistant.** (Orig. en). In: Decision Support Systems Vol.12 1994, p.277-286, 37 refs.
COGITA is a hybrid system currentlly under development which tends to integrate symbolic artificial intelligence techniques and connectionist models in a cooperative hybridation the general architecture of which is presented. (Author, abbr.)

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