Outline

* Subdivisions of 048-, 5, 6, 78, 82, and 88 according to the Information Coding Classification (ICC) described and displayed in Int.Classif.9(1982)No.2, p.87-93 and in the International Classification and Indexing Bibliography, Vol.1, 1982.

A further division of the above scheme was published in Int.Classif.12(1985)No.3, p.147-151. It has been amended in the meantime and will be re-published soon.

** Monograhs on special topics at special subdivisions.

*** CS & T stands for Classification Systems and Thesauri; C & I stands for Classing and Indexing

Language abbreviations:

ar	Arabic	it	Italian
af	Afrikaans	ja	Japanese
bg	Bulgarian	ji	Jiddish
ch	Chinese	Li	Lithuanian
cs	Czech	nl	Dutch
da	Danish	pl	Polish
de	German	pt	Portuguese
ee	Estonian	ro	Romanian
en	English	ru	Russian
es	Spanish	sk	Slovakian
fi	Finnish	uk	Ukrainian
fr	French		
hu	Hungarian		

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0 Form Divisions.

01 Bibliographies.

02 Literature Reviews.
See also 0129

0001 **021**
Satija, M.P.: **A deserted bastion: classification and indexing in India, a state-of-the-art.** (Orig. en). In: Int.Catalog.& Bibliogr.Control Vol.22 , No.3 1993, p.51-4, refs.

0002 **025**
Stone, A.T.: **That elusive concept of "aboutness": The year's work in subject analysis, 1992.** (Orig. en). In: Libr.Resources & Techn.Serv. Vol.37 , No.3 1993, p.277-298, 133 refs.
The 1992 literature in classification theory, subject analysis, automatic and semiautomatic methods of subject cataloguing, online searching methods is examined and described in the following divisions; theoretical foundations, cataloguing practices, subject access in online environments, and specialized materials and topics.

03 Dictionaries, Terminologies.

0003 **032**
Cawkell, A.E.:**Encyclopedic dictionary of information technology and systems.** (Orig. en). London, etc.: Bowker-Saur 1993, VI,338p. ISBN: 1-857-39036-9
The entries, in alphabetical order, cover people, organizations, and technology, including terms and their concepts as having become known up to April 1993. The dictionary contains very short and very long entries, some of them are repeated in different combinations, such as 'Artificial Intelligence (AI)' which is combined in separate entries with - Expert Systems, - History, - Inference, - Information Retrieval Applications, - Knowledge Bases, - Natural Language, - Shells and Chaining, - Software and Hardware Trends, - Vision Systems. There is no entry for 'Index', bowever many for 'Indexing' (7 columns for the concept as such) and combinations, such as Indexing - Automatic, - Coordinate Indexing, - Online Systems, - System Performance, Exhaustivity and Specificity, - System Performance, Recall and Precision, - Thesauri. Some 5000 terms, including abbreviations are related to their concepts and are explained and described.

0004 **032**
Schulz, G.: Karnstädt, H. (Eds.): Fédération Internationale des Archives du Film: **Terms and methods for technical archiving of audiovisual materials.** (Title also in French, German, Spanish, and Russian). (Orig. en, etc.). München, etc.: K.G.Saur Verlag 1992,87p. ISBN: 3-598-22592-X
All texts are given in the languages mentioned above. The terms are arranged juxtaposed in tabular way according to the following grouping: 1. Data for physical description of film and video materials, 2. Data for the description of technical quality, 3.Suggested standard practices for the description of technical information on labels and technical record cards. A last chapter covers the criteria for technical categories of film material. Bibliography (19 refs.), indexes.

04 Classification Systems & Thesauri.

0005 **041**
Lehmann, K.: Pohlenz, K. (Eds.): **Klassifikation für Allgemeinbibliotheken. Teil Sachliteratur und Belletristik (KAB/E): Gliederung, Alphabetisches Schlagwortregister, Kommentar.** Classification System for General Libraries. Outline, Alphabetic Index, Commentary. (Orig. de). Berlin, DE: Dt.Bibl.Inst. 1993, 450p. This edition replaces the one published in Leipzig, 1990. The alphabetic subject index comprises now some 14,500 subject headings, subject strings and references. The commentary describes the history of the system and explains its contents and structure.

0007 **048-39**
Thésaurus géographiques: noms de lieux et divisions administratives. Geographic thesaurus: place names and adminis-

trative division names. (Orig. fr). Paris: IBISCUS 1993, 157p. ISBN: 2-909994-00-7
The cooperating institutions for this thesaurus were: IBISCUS (Système d'information sur les pays en développement), CEGET-CNRS (Centre d'études de géographie tropicale), ORSTOM (Centre de documenation et d'information scientifique pour le développement).

0008 **048-56**
Minist. de l'Education Nationale et de la Culture:**Thésaurus MOTBIS.** (Orig. fr). Paris: 1992, 864p. ISBN: 2-240-70582-5
This thesaurus was published by the Centre Nationale de Documentation Pédagogique in four volumes. It is version 2.0 having 8114 descriptors and 2554 non-descriptors arranged in 84 semantic fields.

0009 **048-6**
Knapp, S.D.: **The contemporary thesaurus of social science terms and synonyms: A guide for natural language searching.** (Orig. en). Phoenix, AZ:Orynx Press 1993, XXI,400p. ISBN:0-89774-595-7
This is not a controlled vocabulary but a sort of linguistic thesaurus, conceived as an aid for finding words and phrases for natural language searching of computer databases.

0010 **048-6**
Huff, M.P.: **(Book review of title under 0009).** (Orig. en). In: Inform.Process.& Management Vol.29 , No.5 1993, p.671

0011 **048-64**
Ebrard, C.: Tallard, A., Coninck, J. de (Comps).: Casse Nationale de Crédit Agricole: **Thésaurus bancaire et financier.** Thesaurus for banks and financial matters. (Orig. fr). Guyancourt, France: CNCA 1993, 156p. ISBN: 2-900607-05-1

0012 **048-71/2**
Mbappe, A.B.:**Le thésaurus de DELPHES.** 6th ed.. (Orig. fr). Parisk: Ch.de Commerce 1993, 347p. ISBN: 2-85504-054-X

0013 **048-967**
Otchere, F.F.: **African studies thesaurus: Subject headings for library users.** (Orig. en). In: Bibliogr.& Indexes Afr.Studies , No.29 Westport, CT: Greenwood 1992, 480p. ISBN: 0-313-27437-1
List of all Library of Congress sub-Saharan African subject headings including notations for most subject headings and cross-references from related or unused versions of a heading. The volume covers 41 countries. There are altogether some 4,000 subject headings, including the names of over 600 African peoples and nearly 600 African languages.

0014 **048-99**
Afolabi, M.:**According to their kinds: a classification scheme for church records and manuscripts.** (Orig. en). In: Christian Librarian Vol.36 , No.4 1993, p.111-114, 9 refs.
The article contains a subject index and a classification scheme for church records and manuscripts.

0006 **048.1**
Deutsche Bibliothek:**Schlagwortnormdatei (SWD).** Standard Subject Reference File. (Orig. de). Frankfurt/Main: Dt.Bibliothek 1993
This controlled vocabulary of The German Library has been published on 73 microfiches with a companion document of 36 pages. It was elaborated by representatives of the Deutsche Bibliothek, the Bibliotheksverbund Bayern and the Hochschulbibliothekszentru Landes Nordrhein-Westfalen.

06 Conference Reports, Proceedings.

0015 **06.90-08-14/17**
Cochrane, P.A.: **Book review of Fugmann, R. (Ed.): Tools for Knowledge Organization and the Human Interface. Proc.1st Int.ISKO Conf., Darmstadt, 14-17 Aug.1990.** Frankfurt:INDEKS Verl.1990/91. 2 vols. 279+280p.. (Orig. en). In: Knowl.Org. Vol.20 , No.4 1993, p.231

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0016　　　　　　　　　　　　　　　　　　**06.91-03**
Oppenheim,Ch.:**Book review of Jones,K.P. (Ed.): The structuring of information: Proceedings of the 11th Informatics Conference.** London: Aslib 1991. VIII,348p.. (Orig. en). In: J.Libmship & Inform.Sci. Vol.25 , No.1 1993, p.51-52

0017　　　　　　　　　　　　　　　　**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 Study Conf. on CR.** Toronto, 1991. Amsterdam: Elsevier 1992. 427p.. (Orig. en). In: Inform.Technol.& Libraries , No.2 1993, p.282

0018　　　　　　　　　　　　　　　　**06.91-06-24/28**
McIlwaine, I.C.:**(Book review of same title as under 0017).** (Orig. en). In: J.Libmship & Inform.Sci. Vol.25 , No.1 1993, p.53-54

0019　　　　　　　　　　　　　　　**06.91-10-15/18**
Svenonius, E.: **Book review of Kwasnik, B., Fidel, R. (Eds.): Proceedings of the 2nd ASIS SIG/CR Classification Research Workshop. Medford, NJ: Learned Inform.1992.** (Orig. en). In: Inform.Process.& Management Vol.29 , No.5 1993, p.674-5

0020　　　　　　　　　　　　　　　**06.91-10-15/18**
Pitto, D.:**Book review of Gödert, W., Jaenecke, P., Schmitz-Esser, W. (Eds.): Kognitive Ansätze zum Ordnen und Darstellen von Wissen. 2.Tagung d.Dt.ISKO Sektion,.** Weilburg, 15.-18.10.1991. Frankfurt: INDEKS Verl.1992. VIII,336p.. (Orig. it). In: Boll.AIB Vol.33 , No.1 1993, p.104-105

0021　　　　　　　　　　　　　　**06.92-05, 118-26**
(Similarity in Organic Chemistry, Papers of Workshop in Bolzano, Italy, May 1992). (Orig. en). In: J.Chem.Inform.& Comput.Sci. Vol.32 , No.11/12 1992, p.577-752
The issue contains the texts of the 25 papers given at this Workshop which had been sponsored by the Beilstein Institute, Frankfurt/Main. It is started with a report by C.Jochum, M.B.Hicks, and J.Sunkel on "The Beilstein Workshop on Similarity in Organic Chemistry".
See also 0094

0022　　　　　　　　　　　　**06.92-08-17/19, 77**
Draskau, J.K.: Picht, H. (Eds.):**Terminology Science and Terminology Planning. In Commemoration of E. Drezen (1892-1992).** Proceedings of the International Conference in Riga, 17-19 Aug.1992. (Orig. en). Vienna, Austria: TermNet 1993 ISBN: 3-901010-09-2

0023　　　　　　　　　　　**06.92-11-4/5, 148-72**
Rehm, W.: Welsch, H., Faix, W. (Eds.): **Synergetik. Selbstorganisation als Erfolgsrezept für Unternehmen. Ein Symposium der IBM.** Synergetics. Self-organization in companies. An IBM Symposium. (Orig. de). Ehningen, Germany: Expert Verlag 1993, 130p. ISBN: 3-8169-1021-1
Contributions of a Symposium held from Nov. 4-5, 1992 at Böblingen. The book contains 5 chapters: 1. Presentation of the problem. 2. Consequences of Synergetics: A spell-form for management 3. Consequences of Synergetics: A spell-form for management - structures synergetics for social systems. 4. Our world is non-linear - structures in chaos. 5. Total Quality Management and Group Work. Index.

0024　　　　　　　　　　　　　**06.92-11-4/6**
The first Text Retrieval Conference (TREC-1), Rockville, MD, USA, 4-6 Nov.1993. (Orig. en). In: Inform. Process. & Management Vol.29 , No.4 1993, p.411-521
The issue contains the nine papers of this conference together with an introductory conference report by Donna K.Harman.

0025　　　　　　　　　　　　　**06.93-05-10/14**
First Russian Regional ISKO Conference, Moscow, May 10-14, 1993 on Knowledge Organization: Problems and Tendencies. (Orig. en). In: Knowl.Org. Vol.20 , No.4 1993, p. 188-222
This issue contains two papers (by E.Sukiasyan and by I.Dahlberg) and 21 summaries of papers presented at this conference. Two further papers (by H.Löckenhoff and J.Zelger) will be published in the next issue. The papers and summaries are as follows:

0026 Sukiasyan, E.:**Knowledge organization in Russia: problem-related and historical aspects.** - 0027 Krushanov, A.A.:**The picture of the world and knowledge organization.** - 0028 Sokolov, A.V.: **Public knowledge as a mosaic of computing and cooperating systems.** - 0029 Boloshin, I.A.: Herzenstein, M.E.: **Information physics: Hopes and weak points.** - 0030 Zhuravlev, V.F.:**Organization of substantive scientific knowledge.** - 0031 Beloozerov, V.N.:**The linguistic units taxonomy as a data organization problem In the language mechanism.** - 0032 Baranov, V.: **Library systematology.** - 0033 Dvorkina, M.:**The library environment as a form of knowledge organization.** - 0034 Melent'eva, J.: **The librarian as the organizer of information and knowledge of the reader.** - 0035 Shindryaeva, N.M.:**Knowledge organization as a problem of bibliographic tool structure.** - 0036 Kapterev, A.I.: **Professional environment as an information analysis object.** - 0037 Antopolsky, A.B.: **Governmental information resources of Russia: Problems of effectiveuse.** - 0038 Gorshkov, V.V.: Lejchik, V.M.:**Compilation and implementation of terminological dictionaries of a new type.** - 0039 Beloozerov, V.: Gendlina, I.: **The space and time aspects in scientific and technical information systems.** - 0040 Bakulov, A.:**Electronic terminological thesaurus-type vocabularies in the computerization of education in the humanities.** - 0042 Belyakov, A.:**Non-parametrical data analysis in the organization of integrated information systems.** - 0043 Gamsahourdia, E.: Kuznetsova, T.:**Retrieval support in the field of automatics and remote control.** - 0044 Lavrenova, O.: **Knowledge organization levels for computerized information systems.** - 0045 Efremenkova, V.M.: Milovidov, N.:**The data structure of the VINITI "Computer Networks" information file.** - 0046 Gendlina, I.:**Computerized formation of alphabetical subject indexes to classification systems.** - 0047 Lobova, L.: Beloozerov, V.: **A Russian-language UDC reference database.** - 0048 Dahlberg, I.: **Knowledge organization: Its scope and possibilities.**

0049　　　　　　　　　　　　　**06.93-05-20/22**
Mulvany, N.C.:**Indexing. Providing Access to Information: Looking back, looking ahead.** Proceedings of the 25th Annual Meeting of the American Society of Indexers, Alexandria, VA, May 1933. (Orig. en). Port Aransas, TX: Amer.Soc. Index. 1993, 161p. ISBN: 0-936547-19-7
A report of this meeting appeared in the journal The Indexer, 18(1993)No.4,p.259-62. Here are the titles of the papers:
0050 Zafran, E.L.: MacKay, C.: **Keeping up with the times (& the deadlines). Indexing at BNA (Bureau of National Affairs).** - 0051 Mulholland, S.:**Indexing and the challenge of change at PsycINFO.** - 0052 Locke, C.:**Weaving the social fabric.** - 0053 Weinberg, B.H.: **Computer-assisted database indexing.** - 0054 Hodge, G.M.: **Computer-assisted database indexing. The state-of-the-art.** - 0055 Humphrey, S.M.: **The MedIndEx prototype for computer-assisted MEDLINE database indexing.** - 0056 Anderson, J.D.: **Indexing standards. Are they possible? What good are they? Why bother?.** - 0057 Shuter, J.:**Standards for indexes. Where do they come from and what use are they.** - 0058 Cousins, G.: **Professional indexing in Australia. First steps towards accreditation.** - 0059 McFadden, T.G.: **I wonder who's indexing the Internet now?.** - 0060 Wallis, E.:**Indexing training and accreditation in UK.** - 0061 Bell, H.K.:**Vive la difference! The survival of the softest.** - 0062 Liddy, E.D.: Jorgensen, C.L.: **Reality check. Book index characteristics that facilitate information access.** - 0063 Kleinberg, I.:**Making the case for professional indexers. Where is the proof?.** - 0064 Koll, M.B.: **Automatic relevance ranking. A searcher's complement to indexing.**

0065　　　　　　　　　　　　　**06.93-08-17/18**
Williamson, N.: **IFLA Section on Classification and Indexing. Satellite Meeting.** (Orig. en). In: Knowl.Org. Vol.20 , No.4 1993, p.225-227
Report on the Conference "Subject Indexing in the Nineties: Principles and Practices", Lisbon, Aug.17-18, 1993. The local chairperson was I.Lopes, National Library of Portugal

0066　　　　　　　　　　　　　**06.93-10-24**
Smith, Ph.J.: Beghtol, C., Fidel, R., Kwasnik, B.H.(Eds.): **Proceed-**

51

ings of the 4th ASIS SIG/CR Classification Research Workshop, Oct.24, 1993. (Orig. en). Silver Spring, MD: Amer.Soc.Inf.Sc 1993, VI,204p.

Contains the 12 papers presented with a preface by the editors, coming to the following conclusion: "The scope and diversity of these papers is impressive, and yet these themes seem to weave back and forth, suggesting to us that the underlying issues in classification research are at the core of a number of areas. We still need a great deal of theory-building - or borrowing - however. The emphasis of most of the papers is on systems new and old and on practice, not on finding a unified basis for all knowledge representation...

0067 Abawajy, J.H.: Shepherd, M.: **Supporting a multi-hierarchical classification in the object-oriented paradigm.** - 0068 Aimeur, E.: Ganascia, G.: **Reasoning with classification in interactive knowledge elicitation.** - 0069 Bowker, L.: **Multidimensional classification of concepts for terminological purposes.** - 0070 Cochrane, P.: **Warrant for concepts in classification schemes.** - 0071 Euzenat, J.: **Brief overview of T-TREE: The TROPES Taxonomy Building Tool.** - 0072 Hemmasi, H.: Rowley, F., Anderson, J.D.: **Isolating and reorganizing core vocabulary from Library of Congress Music Headings for use in the Music Thesaurus.** - 0073 Jacob, E.: **Communication and category structure: The communicative process as a constraint on the semantic representation of information.** - 0074 Kim, Nam-Ho: French, J.C., Brown, D.E.: **Boolean query formulation with the query tree classifier.** - 0075 Kleinberg, I.: **Programming knowledge: On indexing software for reuse and not indexing documentation at all.** - 0076 Lin, X.: Marchionini, G., Soergel, D.: **Category-based and association-based map displays by human subjects.** - 0077 Mineau, G.W.: **The classification of structured knowledge objects.** - 0078 Zeng, L.: Gapen, D.K., Schmitt, Sh.: **Developing intellectual access and control mechanisms for discipline-based virtual libraries that feature media integration.**

0079   06.93-10-24
4th Classification Research Workshop. (Orig. en). In: Knowl.Org. Vol.20 , No.4 1993, p.227

Short report on the Workshop of the Special Interest Group on Classification Research of the American Society for Information Science in Columbus, Ohio, Oct.24, 1993.

0080   06.93-10-24/28
56th ASIS Annual Meeting. (Orig. en). In: Knowl.Org. Vol.20 , No.4 1993, p.227-228

Short report on the 7 sessions sponsored or co-sponsored by SIG/CR, the Special Interest Group on Classification Research during the 1993 ASIS Annual Meeting, Oct.24-28.

0081   06.93-11-4/5
Garcia Marco, F.J.: **Primer Encuentro sobre Organizacion del Conocimiento en Sistemas Documentales.** First Meeting on Knowledge Organization in Documentary Systems. (Orig. en). In: Knowl.Org. Vol.20 , No.4 1993, p.229-230

Report on this conference which took place in Madrid, Nov.4-5, 1993, prepared by the Spanish ISKO members.

07 Textbooks (whole field).
See also 01103

0082   07.3
Benito, M.: **Bibliografisk kontroll: an introduktion till katalogisering, klassifikation och indexering.** Bibliographic control: an introduction into cataloguing, classification and indexing. (Orig. sv). Boras, Sweden: Taranco 1993, 108p. ISBN: 91-970103-3-2

Contents: Rules for cataloguing, bibliographical references, classification theory, rules and exercises of the Dewey Decimal Classification, indexing, and thesaurus construction. A glossary has been added with about 500 library terms in English and Swedish.

0083   07.3
Husain, Sh.: **Library Classification. Facets and analyses.** (Orig. en). New Delhi, India: Tata McGraw-Hil 1993, XVI,367p.

Textbook comprising the following 16 chapters: 1. Definition, need and purpose of classification. 2. History of library classification. 3. Terminology of classification. 4. Development of a theory of classification. 5. Work of classification in three planes and their interrelationship. 6.1 Work of classification in idea plane. 7. Verbal plane. 8. Notation, definition, need functions. 9. Multidimensional nature of subjects. 10. Growing universe of subjects: problems and solutions. 11. Postulational approach to classification. 12. Formation or sharpening of isolates. 13. Species of classification schemes. 14. DDC, UDC, and CC. 15. Designing the depth schedules of classification. 16. Recent trends in classification. - Index.

08 Other monographs.

0084   08.1
Arnopoulos, P.: **Sociophysics. Chaos and cosmos in nature and culture.** (Orig. en). Commack, NY: Nova Science P. 1993, 357p. ISBN: 1-56072-108-1

"Result of an attempt... towards a grand synthesis of all the sciences". "... it offers a bold theory of social systems based on the new scientific paradigm which combines the natural and cultural aspects of humanity. It is therefore the latest contribution to the quest for a unitary synopsis of encyclopedic knowledge which can serve to describe and explain the human condition in a global perspective". (Foreword, the Author). The book consists of three parts with a Prologue and an Introduction as well as a Conclusion. Pt. 1: Statics (Matter, Energy, Life), Pt.2: Dynamics (Change, Entropy, Syntropy), Pt.3: Dialectics (Causality, History, Humanity). Each of the 3 subdivisions of each part is again subdivided by 3 narrower topics. The thematic outline shows, that these narrower topics are subdivided again by 3 themes. - Bibliography. Index.

0085   08.165
Edwards, S.: **Book review of Meadows, A.J.(Ed.): Knowledge and communication: Essays on the information chain. London: Libr.Assoc.Publ. 1991. IX,164p..** (Orig. en). In: Inform.Process.& Management Vol.29 , No.4 1993, p.524-525

0086   08.3
Salton, G.: **Book review of Frakes, W.B., Baeza-Yates, R. (Eds.): Information retrieval: data structures and algorithms. Englewood Cliffs, NJ: Prentice Hall 1992..** (Orig. en). In: Computing Reviews , No.July 1993, p.341-342

The book consists of separate chapters by some 20 different authors. It covers many of the information retrieval algorithms, including metehods of file organization, file search and access, and query processing.

09 Standards, guidelines.

0087   09.21
Guidelines for subject authority and reference entries. (Orig. en). München, etc.: K.G.Saur 1993, 62p. UBCIM Publ.-New Series Vol.12 ISBN: 3-598-11180-0

Elaborated by the Working Group on "Guidelines for Subject Authority Files" of the Section on Classification and Indexing of the IFLA Division of Bibliographic Control. The book lists the members of the Working Group, provides general notes on the guidelines, definitions, outlines and symbols for relationships, explains in a chapter on Authority Entry the Authority Heading Area, the Information Notes Area, the See and See Also Reference Tracing Area, the Cataloguers Note Area, the Source Area, and the Authority Data Number Area. Similarly, the specific and general reference entries are explained and exemplified. Finally, the 15 sources for these guidelines are liste.

0088   09.23b
National Information Standards Organization: **Z39.19-1993: Guidelines for the construction, format, and management of monolingual thesauri.** (Orig. en). Oxon Hill, MD, USA: NISO Press Fulf 1993

1 Theoretical Foundations and General Problems.

11 Order and Knowledge Organization (KO).
See also 0084

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0089   **11**

Dahlberg, I.:**Knowledge Organization: Its scope and possibilities.** (Orig. en). In: Knowl.Org. Vol.20 , No.4 18 refs.: 1993, p.211-222 Sketches the historical development of Knowledge Organization and shows its scope by referring to the outline of the literature service, called Knowledge Organization Literature of the journal KNOWLEDGE ORGANIZATION. The scheme is explained and shown on three levels and in its correlation to a universal system of knowledge fields, called Information Coding Classification. 10 theses for consideration and activation of Knowledge Organization are given concludingly.

0090   **111, 820**

Neelameghan, A.:**Application of S.R.Ranganathan's postulates and principles of the general theory of knowledge classification to database design and inform. retrieval.** (Orig. en). In: Int.Catalog. & Bibl.Control Vol.22 , No.3 1993, p. 46-50, refs.

0091   **117**

Taylor,D.: **Object-oriented information systems: planning and implementation.** (Orig. en). New York, NY: J.Wiley & Sons 1992, 357p. ISBN: 0-471-54364-0
The book has 12 chapters. The first three explain the importance of the object-oriented approach and how it meets needs. The next three explain the concepts of object technology, methods for object development, and what must be done to create an object-oriented information system. Then three chapters deal with object-oriented languages, object databases, and development support systems. The last three chapters cover issues of change and implementation, including one chapter with vignettes describing actual applications.

0092   **118**

Cramer, F.:**Chaos and ordr.** (Orig. en). Weinheim, Germany: VCH 1993, XVI,252p. ISBN: 3-527-29067-2

0093   **118**

Kaye, B.: **Chaos and complexity. Discovering the surprising patterns of science and technology.** (Orig. en). Weinheim, Germany: VCH 1993, XX,612 p.

0094   **118-26**

Heilbronner, E.: Dunitz, J.D.:**Reflections on symmetry. In Chemistry... and Elsewhere.** (Orig. en). Weinheim, Germany: VCH 1992, VI,154 p. ISBN: 3-527-28488-5
The work was copublished with Helvetica Chimica Acta Publishers, Basel.
See also 0021

0095   **119**

Adkins, L.: Adkins, R.: **First catch your indexer.** (Orig. en). In: Learned Publishing Vol.6 , No.3 1993, p.30-31
Stresses the importance and value of indexes. Those responsible for publications usually do not realize this or know how to commission an index. Basic guidelines are provided for coping with indexes.

12 Conceptology in KO.
See also 0030

0096   **124**

Hodgson, J.P.E.:**Knowledge representation and language in AI.** (Orig. en). Chichester, U.K.: E.Horwood 1991, 230p. ISBN: 0-13-515123-6

0097   **124, 626**

Ruiz, I.L.: Cruz Soto, J.L., Gómez-Nieto, M.A.:**Inorganic chemical knowledge representation using dynamic data structures.** (Orig. en). In: J.Chem.Inf.Comput.Sci. Vol.33 1993, pp.378-384, 42 refs.
An abstract data structure, DIMS, is proposed for the representation of chemical knowledge.

13 Mathematics in KO.

0098   **133**

Sedelow, W., Jr.: **The formal analysis of concepts.** (Orig. en). In: Behav. Res.Meth. Instr.& Comp. Vol.25 , No.2 1993, p.314-317, 23 refs.
The paper focuses on the extraction, by means of a formal logical/mathematical method of concept content, as in, for example, continuous discourse.

14 Systems Theory and KO.
See also 0023

0099   **147**

Rojas, R.: **Theorie der neuronalen Netze. Eine systematische Einführung.** Theory of neural networks. A systematic introduction. (Orig. de). Berlin, Germany: Springer 1993, 446p., 336 refs. ISBN: 3-540-56353-9
The book is in four parts with altogether 18 chapters on the following topics: The biological paradigm; The model of McCulloch and Pitts, Weighted nets- the Perceptron; The Perceptron-Learning Algorithm; Uncontrolled learning; Networks with multiple levels; The backpropagation algorithm; Backpropagation and statistical regression; Complexity of learning; Fuzzy logic and neural networks; Associative storage; The Hopfield model; Combinatorial optimization and parallelism; Stochastic networks; Kohonen's topology preserving figures; Hybrid models; Genetic algorithms; Hardware for neural networks. - Bibliography. Index. (See also the book review by E.Oeser in Knowl.Org. 94-1)

16 Science and Knowledge Organization.
See also 0085

0100   **165**

Daniel, H.-D.: **Guardians of science. Fairness and reliability of peer review.** (Orig. en). Weinheim, Germany: VCH Verlagsges. 1993, 118p. ISBN: 3-527-29041-9
The book evaluates the peer reviews presented to the Editorial Office of the journal Angewandte Chemie for all contributions submitted for publication in 1984. The peer review system, since its inception in the 17th century, helps to improve the quality of published papers. The book has 10 chapters, dealing with the peerreview as an instrument for the self-regulation of science, as a target for criticism, it deals with the journal Angewandte Chemie, the communications received in 1984, the internal and external evaluations and editorial decisions, the reviewers and the reviews, the reliability of manuscript refereeing, the fairness in manuscript evaluation, the validity of manuscript review and makes suggestions for a reform of the peer-review process. Summary. Notes. References. Index.

19 History of KO.

0101   **192**

Maniez, J.:**L'évolution des langues documentaires.** The evolution of documentary languages. (Orig. fr). In: Documentaliste Vol.30 , No.4/5 1993, p.254-259, 7 refs.
In the frame of an issue of the Documentaliste devoted to the history of information science in France, the author of this article looks at the development of the two main families of information languages, hierarchical and analytical ones and attempts to discern how and how much this evolution has been influenced by the elements of information searching systems literature, indexers, designers, users, searching techniques and indexing techniques.

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

21 General Questions of CS & T.
See also 0087, 0165

0103   **211.07**

Curwen, A.G.:**Book review of Langridge, D.W.: Classification: Its kinds, elements, systems, and applications. London and NY: Bowker-Saur 1992. 84 p..** (Orig. en). In: J.Librnship & Inform. Sci. , No.June 1993, p.108-109

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0102   **213.013**
Tomasik-Beck,J.: Scibor, E.: **Database on indexing languages elaborated and adapted in Poland.** (Orig. pl). In: Zag.Inf.Nauk. Vol.61 , No.1 1993, p.63-80, 8 refs.

0104   **213, 276**
Nohr, H.:**Thesaurus zwischen Lust und Frust.** Thesauri problems. (Orig. de). In: Nachr.Dok. Vol.44 , No.6 1993, p.376-377, 3 refs. Communication on the results of a questionnaire action, providing the answers of thesaurus users of a certain software regarding the problems encountered in handling a computerized thesaurus.

0105   **218**
Jones, S.: **A thesaurus data model for an intelligent retrieval system.** (Orig. en). In:J.Inform.Sci. Vol.19 , No.3 1993, p.167-178, 10 refs.

22 Structure and Elements of CS & T.

0106   **225**
Izquierdo Arroyo,J.M: Moreno Fernandez, L.M.: **Designing a periodicals-based current information database managed through a combinatory-structured faceted language.** (Orig. es). In: Rev.Espan.Doc.Cient. Vol.15 , No.1 1992, p.44-63

0107   **228-26**
Rucker,G.: Rucker, C.:**Counts of all walks as atomic and molecular descriptors.** (Orig. en). In: J.Chem.Inform.Comput.Sci. Vol.33 , No.5 1993, p.683-695, 53 refs.
Introduces a family of graph theoretical descriptors for atoms and for molecules: the counts of all walks of increasing length (all walks as opposed to self-returning walks or paths). These descriptors exhibit high discrimination power among isomers and among structural situations of atoms. (Authors, abbr.)

23 Construction of CS & T.
See also 0088

0108   **234**
Talamo, M.d.F.G.M.: Lara, M.L.G.de, Kobashi, N.Y.:**Contribution of terminology to the development of a thesaurus.** (Orig. pt). In: Ciencia da Informacao Vol.21 , No.3 1992, p.197-200, refs.

0109   **237**
Houde, S.: **The contribution of online dictionaries in thesaurus construction.** (Orig. fr). In: Documentation et Bibliothèques Vol.38 , No.2 1992, p.91-95
The dictionary Robert in its CD-ROM version was used as well as the SATO system in a research project of the Ecole de Bibliothéconomie et des Sciences de l'Information, Université de Montréal.

0110   **237, 276**
Rowley, J.E.: Fisher, Sh.: **The use of BookshelF in teaching students of information and library management.** (Orig. en). In: Educ.for Inform. Vol.10 , No.2 1992, p.125-137
Utilization of the BookshelF Thesaurus Software for the development and application of thesauri at the Department of Library and Information Science, Manchester Polytechnic.
See also 0137, 0222

24 Relationships.

0111   **242, 243**
Gopinath, M.A.:**Typology of structural relations for information analysis and consolidation processes.** (Orig. en). In: Libr.Sci.Slant Doc.Inform.Stud Vol.29 , No.3 1992, p.139-142, 2 refs.

243 Syntagmatic Relationships
See also 0129, 0161

0112   **244, 733**
Wong, S.K.M.: Yao, Y.Y.: **A probabilistic method for computing term-by-term relationships.** (Orig. en). In: J.Amer.Soc.Inform.Sci. Vol.44 , No.8 1993, p.431-439, 40 refs.

54

0113   **247**
Minnigh, L.D.: **Chaos in information, subject indexing, and the transfer of knowledge: the role of the research library.** (Orig. nl). In: Open Vol.25 , No.3 1993, p.101-4, refs.
The relational databases, currently developed, will guide users through the differing levels of subjects, using the 'cartography of science'. This will have far-reaching consequences for the design of subject-indexing systems.

25 Numerical Taxonomy.

0114   **258**
Telfer,B.A.:Szu,H.H., Kiang, R.K.:**Classifying multispectral data by neural networks.** (Orig. en). In: Telematics and Informatics Vol.10 , No.3 1993, p.209-222, 50 refs.

26 Notation. Codes.

0115   **263**
Ranganathan,S.R.:**Zone analysis and mixed notation.** (Orig. en). In:IASLIC Bull. Vol.37 , No.3 1992, p.100-106
Reprint of an article of Ranganathan from the IASLIC Bull. 1 (1956)No.2, p.44-47 in honor of his birth centenary.

28 Compatibility & Concordance between Indexing Languages.

0116   **2878-51/4**
Sneiderman, C.A.: Bicknell, E.J.:**Computer-assisted dynamic integration of multiple medical thesauruses.** (Orig. en). In:Comput.in Biology & Medicine Vol.22 , No.1/2 1992, p.135-143

0117   **2878-51/4**
Squires, S.J.: **Access to biomedical information: the Unified Medical Language System.** (Orig. en). In: Library Trends Vol.42 , No.1 1993, p.127-151, refs.
Description of the UMLS of the U.S. National Library of Medicine and its initial deployment in retrieval environments.

0118   **2878-94**
Bower, J.M.:**Resources: Vocabulary coordination projects in the art information community.** (Orig. en). In: Bull. ASIS Vol.18 , No.2 1992, p.19-21

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

31 Theory of Classing and Indexing.
See also 0049-0064, 0082, 0083

0119   **312**
Senga, M.:**An invitation to book classification (6): how to grasp the subject of a book.** (Orig. ja). In: Biblos (Japan) Vol.43 , No.11 1992, p.19-23

0120   **312**
Senga, M.: **An invitation to book classification (11): Exercise in classification (2).** (Orig. ja). In: Biblos (Japan) Vol.44 , No.4 1993, p.20-24

0121   **312**
Senga, M.:**An invitation to book classification (12): classification and subjects.** (Orig. ja). In: Biblos Vol.44 , No.5 1993, p.20-24

0123   **312, 323**
Senga, M.:**An invitation to book classification(14): Classification and subjects.** (Orig. ja). In: Biblos (Japan) Vol.44 , No.7 1993, p.20-24

0122   **312, 812, 752**
Senga, M.:**An invitation to book classification(13): Classification and subjects.** (Orig. ja). In: Biblos (Japan) Vol.44 , No.6 1993, p.20-24

0124   **313**

Pitto, D.:**Book review of Fugmann, R.: Theoretische Grundlagen der Indexierungspraxis. Frankfurt/Main: INDEKS Verlag 1992. XVI,325p.**. Theoretical foundations of indexing practice. (Orig. it). In: Boll.AIB Vol.33 , No.1 1993, p.103-104

0125   **318**

Hahn, G.:**Methodik der inhaltlichen Erschließung bibliographisch unselbständiger Literatur (Aufsatzkatalogisierung).** Methodology of subject analysis of bibliographically dependent literature (cataloguing of articles). (Orig. de). In: Mitt.Arb.Gem.Parl.& Behörd.Bib , No.72 1992, p.65-78

32 Subject Analysis.
See also 0002

0126   **321**

Cremmins, E.T.:**Value-added processing of representational and speculative information using cognitive skills.** (Orig. en). In: J.Inform.Science Vol.18 , No.1 1992, p.27-37

0127   **321**

Kando, N.:**Some aspects of the structure of informational content of the information media.** (Orig. ja). In: Libr.& Inform.Science (Japan) , No.30 1992, p.1-19, refs.
Types of structures and terms are defined. Relations between structures and subject analysis are discussed as well as subject representations with relationships among concepts, structural analysis of tations with relationships among concepts, structural analysis of abstracts and research papers and information needs.

0128   **321**

Hjoerland, B.:**Subject representation and information seeking. A** contribution to a theory based on the theory of knowledge (Doctoral Thesis). (Orig. da). Göteborg, Sweden: Bibl.högskolan 1993, 258p., 181 refs.
This thesis from the Bibliotekshögskolan and the Centrum for Library and Information Science treats problems associated with one of the central issues in information studies: the identification of the subject contents of documents in such a way as to best facilitate their retrieval. The book represents an alternative to the general understanding of library and information studies. It is based particularly on philosophy and theory of knowledge and serves as an alternative to dominant cognitive tendencies in psychology, linguistics, and artificial intelligence. (Author, abbr.)

0129   **323**

Mushakoji, S.: **Critical review on the studies and analyses of information media, scientific literature, library materials, and scientific discourses (texts).** (Orig. ja). In: Library & Inform.Sci. (Japan) , No.30 1992, p.21-41, refs.(4p.)
Examination of studies and analyses of information media having apeared after 1980.

0130   **323**

Thorborg, S.:**Subject data work: do public and research libraries pull together?.** (Orig. da). In: DF Revy Vol.15 , No.10 1992, p.284-7
Makes recommendations for a general indexing level, guidelines for subject analysis of documents for indexing, and for syntactic and morphological control of the individual keywords.

0131   **328-51/4**

Rasmussen, J.-E.NG: Bassoe, C.-F.:**Semantic analysis of medical records.** (Orig. en). In: Meth.Inform.Med. Vol.32 , No.1 1993, p.66-72, 21 refs.
A program(LogStory) is described that was developed for the automatic semantic analysis of clinical narratives, stored in a computerized problem-oriented medical record (PROMED). The diagnoses were written in a free-text format during consultation, and later collected into diagnostic classes, e.g. diseases. A lexical parser automatically created dictionaries from the clinical narrative associated with each disease. (Authors, abbr.)

33 Classing and Indexing Techniques.

0132   **337**

Hsueh, L.-K.: **The application of PRECIS in indexing Chinese documents: an experimental study.** (Orig. ch). In: J.of Libr.& Inform.Sci.(Taiwan Vol.19 , No.1 1993, p.40-75, refs.
The study aimed at generating Chinese subject indexes and to facilitate online information retrieval. A random sample of 498 Chinese subject indexing strings was taken from the Index to Chinese Periodical Literature and a comprehensive test of the PRECIS role operators was carried out. 18 problem areas were isolated and grouped into 8 categories. Modifications of and addition to the existing role operators and the accompanying software were suggested.

34 Automatic Classing and Indexing.

0133   **341**

Smeaton, A.F.: **Progress in the application of natural language processing to information retrieval tasks.**(Orig. en). In: Computer Journal Vol.35 , No.3 1992, p.268-278
Account of recent developments in automatic and semi-automatic text indexing as well as in the generation of thesauri, text retrieval, abstracting and summarization.

0134   **343**

Gingras, M.: **VIXIT: an analysis and retrieval system for textual information in human resource management.** (Orig. fr). In: Document.& Bibliothèques Vol.38 , No.2 1992, p.115-116
The indexing is accomplished in this system with the help of the SATO software (Système d'Analyse de Textes par Ordinateur).

0136   **3432**

Shridhar, A.: Sreelatha, G.:**Generation of descriptors for the text of a technical paper: a case study.** (Orig. en). In: Libr.Sci. Slant Doc. Vol.30 , No.1 1993, p.25-35, refs.

0138   **3433**

Masand, B.M.: Smith, S.J.:**Classification of data records by comparison of records to a training database using probability weights.** (Orig. en). 1993 U.S.Patent 5251131
This is a patent of the Thinking Machines Corporation.

0137   **3433, 237**

Kim, Ho Sung: Koh, Hee Jung:**Incremental conceptual clustering of English bibliographic information using term frequency.** (Orig. korean). In: J.Korea Inform.Sci.Soc. Vol.19 , No.1 1992, p.12-23
The implementation of a clustering system is discussed intended for the generation of a thesaurus.

0135   **343, 757**

Schuegraf, E.J.: Bommel, M.F. van:**An automatic document indexing system based on cooperting expert systems: design and development.** (Orig. en). In: Can.J.Inform.Sci. Vol.18 , No.2 1993, p.32-50, 12 refs.

0140   **344**

Gödert, W.:**Sacherschließung in EDV-Katalogen: Probleme der Sacherschließung unter Einsatz von PC-Systemen.** Subject analysis in computerized catalogues: Problems of subject analysis utilizing PC-systems. (Orig. de). In: Mitt.Arb.Gem.Parl.& Behörd.Bib , No.73 1992, p.5-37, refs.

0141   **344**

Hill, L.L.: **Book review of Hodge, G.M.: Automated support to indexing. Philadelphia, PA: Natl.Federation of Abstracting & Inform.Serv. 1992. XIII,176p..** (Orig. en). In: Inform.Process.& Management Vol.29 , No.4 1993, p.528-531

0139   **344, 833**

Garfield, E.: Sher, I.H.:**KeyWords Plus TM - Algorithmic Derivative Indexing.** (Orig. en). In: J.Amer.Soc.Inform.Sci. Vol.44 , No.5 1993, p.298-299, 8 refs.
Brief communication on research results concerning title word index-

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ing of the cited titles in the 20 years' store of the Institute for Scientific Information (ISI), Philadelphia.

0142   346, 88-51/4
Humphrey, S.M.:**Knowledge-based systems for indexing.** (Orig. en). In: In: Fidel,R.et al: Challenges in indexing electronic text and images Medford, NJ: Learned Inform. 1994, p.161-175, 44 refs.
The chapter describes and recommends knowledge-based indexing, based on a unique prototype, called MedIndEx (Medical Indexing Exper), developed in the Lister Hill Center. (Author, abbr.)

0143   348
Pietsch, W.: Schneider, B.: **Selbstlernende Klassifikation von Klartextdaten - Anwendung, Lösungsverfahren und Implementierung.** Self-learning classification of text data - application, solutions and implementation. (Orig. de). In: Informatik. Forsch.,Entwickl. Vol.8 , No.1 1993, p.10-22, 26 refs.
A simple neural network provides an effective classification method without inheriting the shortcomings tied to regular approaches. The connectionist classifier model may be operated in two ways, either as a black-box system, or transformed into a knowledge representation scheme of a specific expert system. For practical purposes the authors suggest a flexible and hybrid system architecture in order to run a connectionist model. (Authors, abbr.)

0144   348
Schweiger, M.J.: **Automatic assignment of molecule keywords.** (Orig. en). In: J.Chem.Inf.Comput.Sci. Vol.33 1993, p.128-130, 11 refs.
For use in the ChemInform RX databases, molecule keywords are assigned automatically. These keywords are based on the thesaurus derived from the ORAC database system. The overall procedure is discussed. (Author)

35 Manual and Automatic Ordering.

0145   356
Rada, R.: Mili, H.: **Document reuse: organizing, finding, and reorganizing content.** (Orig. en). In: Int.J.Inform.Management Vol.12 , No.4 1992, p.310-319, 14 refs.
Existing structures should be exploited as best as possible in the course of document reuse. Reuse may take multiple forms: rearranging a single document so as to provide different views of the same information, copying a portion of a single document toas to provide a portion of a new document, and combining portions of existing documents to constitute a new document. Algorithms are presented to do such reuse, examples are provided. For significant reuse the information in existing documents needs to be abstracted so as to highlight the conceptual pattern. (Authors, abbr.)

0146   356
Berk, E.: Devlin, J.:**Hypertext/hypermedia handbook.** (Orig. en). Peterborough, NH: McGraw-Hill 1991, 640p. ISBN: 0-07-016622-6

0147   356
Nielsen, J.:**Hypertext and hypermedia.** (Orig. en). San Diego, CA: Academic Press 1990, 263p. ISBN: 0-12-518410-7

0148   356
Seyer, Ph.:**Understanding hypertext: concepts and applications.** (Orig. en). Blue Ridge Summit,NJ: Windcrest/MGH 1992, 263 p. ISBN: 0-8306-3308-1

0149   356
Woodhead, N.: **Hypertext & Hypermedia: Theory and applications.** (Orig. en). Reading, MA: Addison-Wesley 1991, 231p.

0150   357
Rossion, F.:**SGML, un standard de plus...?!.** SGML - still another standard?. (Orig. fr). In: Cahiers de la Doc. Vol.47 , No.2 1993, p.39-53, 27 refs.
Explanation of the SGML, the Standard Generalized Markup Language, which was published by ISO in 1986. Its main objective is the exchange of electronically stored texts.

56

0151   357
Rayward, W.B.:**Some schemes for restructuring and mobilising information in documents: A historical perspective.** (Orig. en). In: Inform.Process.& Management Vol.30 , No.2 1994, p.163-175, 51 refs.
See also 0256

37 Reclassification.

0152   373
Chressanthis, J.D.: **The mechanics of a reclassification project.** (Orig. en). In: Techn.Serv.Quart. Vol.9 1992, p.19-28
Description of the reclassification project of the Mississippi State University Library which changed from DDC to LCSH. The project was given to a company.

38 Index Generation and Programs.

0153   382
Brito, J.D.de: **Index for simultaneous searching: rapid manual access.** (Orig. pt). In: Ciencia da Informacao Vol.21 , No.3 1992, p.247-8, refs.
Suggests a new position for the index in the publication to facilitate its searching together with the contents at the same time.

0154   383
Robertson, M.(Ed.):**The making of an index (by F.Howard Collins).** (Orig. en). In: Indexer Vol.18 , No.4 1993, p.237-243, 9 refs.
Reprint of a text of F.Howard Collins (1857-1910) with an introduction by M.Robertson. Actually, two texts have been found of relevance: "The 'Making of an' Index" (1902) and "Subject indexes: Some principles which underlie them" (1896).

0155   385
Smart, G.:**Using language analysis to manage information.** (Orig. en). In: Aslib Proc. Vol.45 , No.5 1993, p.123-129, 7 refs.
The ESPRIT Project SIMPR developed software to analyse documents and generate indexes for them. Of immediate application as a document indexing and classification system, this also offers a technology for information modeling that has broader implications, supporting many new uses for information management software. (Author, abbr.)

0157   387
Kirby, G.H.: Polton, D.J.:**Systematic chemical nomenclatures in the computer age.** (Orig. en). In: J.Chem.Inform.& Comput.Sci. Vol.33 , No.4 1993, p.560-3, refs.
Draws upon experience in the development of software for the generation and analysis of systematic organic chemical nomenclature and highlights where these nomenclatures cause difficulties in computing. (Authors, abbr.)

0156   387, 756
Coch, J. etal.:**Biblix: rapid generation of documentary interfaces in natural language.** (Orig. fr). In: 12th Int.Conf.:Artificial Intelligence, Expert Systems, Natural Language. Avignon, FR, 1-6 June 1992. Vol.3 Nanterre, FR: EC2 , p.127-138
The Biblix software is concerned with thesaurus-based indexed databases, not with full-text searching.

39 Evaluation of Classing and Indexing.

0158   392
Park, T.K.: **The nature of relevance in information retrieval: an empirical study.** (Orig. en). In: Libr.Quart. Vol.63 , No.3 1993, p.318-351, refs.
Report on an empirical study of user based relevance interpretations.

4 On Universal Classification Systems and Thesauri.

41 On Universal Systems in General.
See also 0166

0159   **417**
Atanasiu, P.: Teodoru, V.: **Steps towards a unitary system of ordering.** (Orig. ro). In: Probl.Informare si Doc. Vol.26 , No.3 1992, p.141-154, refs.
Attempt to find, on the basis of a brief analysis of existing ordering systems, the solutions to be adopted in the development of a new universal ordering system without the shortcomings of the existing ones. (Acc.to authors)

0160   **417**
Chatterjee, A.: **Information retrieval languages: attributes and vocabulary. A comparative study.** (Orig. en). In: In: Chatterjee, A. et al: Proc.15th Natl.IASLIC Conf., Annamalainagar, Tamil Nadu, 26-29 Dec.1992. Calcutta: IASLIC 1992, p.15-18, refs.
Comparison of the various types of controlled vocabularies used.

0162   **417**
Gopinath, M.A.: **Information retrieval, ontological model and Ranganathan's contribution.** (Orig. en). In: In: Chatterjee, A.et al.: Proc.15th Natl. IASLIC Conf., Annamalainagar, Tamil Nadu, 26-29 Dec.1992. Calcutta: IASLIC 1992, p.9-14, refs.
Comparison of the analytico-synthetic classification scheme model of Ranganathan and the knowledge representation schemes used in knowledge-based systems. Identifies analogical approaches in both systems and finds global ontological approaches to the organisation of knowledge which provide a cognitive basis among users of knowledge. (Accord.to author)

0161   **417, 46.24, 45.24**
Chatterjee, A.: **Concept of phase relation in CC and its impact on BC.** (Orig. en). In: IASLIC Bull. Vol.37 , No.3 1992, p.163-170, refs.
Traces the history of the use of phase relationships in the UDC (since 1899) and in the first edition of the Bliss Bibliographic Classification (BC1) in an enumerative way. Ranganathan used a new approach, a non-enumerative one which had an impact on the second edition of the BC.

42 On the Universal Decimal Classification.

0163   **42.174**
Horvath, Z.: **In defence of UDC: proposal for possibilities of development and cooperation.** (Orig. hu). In: Könyvtari Figyelö Vol.39 , No.3 1993, p.373-379, refs.
Considers the problems related to the use, development and automation of UDC in Hungarian libraries. Reports the views and proposals of the Automation and Classification Group of the Association of Hungarian Librarians regarding these problems. (Author,abbr.)

0164   **42.179**
Williamson, N.: **UDC Activities.** (Orig. en). In: Knowl.Org. Vol.20 , No.4 1993, p.224-225
Reports on the change in the Editorship of the UDC which went to Dr.I.C.McIlwaine, U.K. The UDC in North America: the archives have been transferred from the University of Maryland to the University of Toronto. A UDC Restructuring Project has been started in a feasibility study by I.C.McIlwaine and N.Williamson.

0165   **42.213**
Scibor, E.: **The Universal Decimal Classification: change of the status and of the management system.** (Orig.pl). In: Zag.Inform.Nauk Vol.61 , No.1 1993, p.81-85, 1 ref.
Reports on the changes of the legal status of the UDC: the copyright went away from the FID to the new UDC Consortium. Also the FID revision committees are not funtioning any longer. The aims, tasks, and services of the Consortium are presented.

0166   **42.414, 43.414**
Andrian, A.C.: **Once more about the unification of the UDC and the DDC.** (Orig. ro). In: Probl.Informare si Doc. Vol.26 , No.3 1992, p.155-167, refs.
The wide utilization of the two systems in libraries, documentation and databases would justify the attempts for unification of the UDC and the DDC.

0167   **42.756**
Zöldi, P.: **The UDC in the computerized system of the National Szechenyi Library.** (Orig. hu). In: Könyvtari Figyelö Vol.39 , No.3 1993, p.384-388
A KWIC index, provided by the DOBIS/LIBIS software provides subject access to the UDC whereby the compound UDC notations are divided along subdivisions into 'keywords'. This allows UDC notations and the documents they class to be retrieved according to the aspects represented by the subdivisions. The system also allows the combination of subdivisions using logical operators. The natural language (alphabetical) index of UDC numbers is built into the permuted index. (Author)

0168   **42.925**
Kofnovec, L.: **Future management of the UDC system.** (Orig. cs). In: Kniznice a Informacie Vol.24 , No.12 1992, p.555-556
The UDC Department of the National Information Centre of the Czech Republic has been closed. Because of the importance of the UDC, future work will be carried out by the National Library (NL) in Prague. The NL plans to prepare and publish amendments and additions to the full Czech UDC edition starting with vol.20.

43 On the Dewey Decimal Classification.
See also 0166

0169   **43.4**
Crocetti, L.: **Ventesima Italiana.** The Italian Edition of DDC 20. (Orig. it). In: Boll.AIB Vol.33 , No.1 1993, p.11-51
The article starts a number of contributions in this issue devoted to the 20th edition of the Dewey Decimal Classification, Italian translation. Further articles are:

0170   **43.4**
Danesi, D.: **A database for UDC: IT and the Italian Edition of Dewey 20.**

0171   **43.4**
Cheti, A.: Neri, F., Terreni, St.: **The new Dewey area and period tables for Italy.**

0172   **43.4**
Boretti, E.: **Bibliografia italiana della Classificazione Decimale Dewey 1970-1992** (listing 78 references).

0173   **43.4.07**
Dhyani, P.: **Working with Dewey Decimal Classification (Editions 19 and 20).** (Orig. en). New Delhi: VIKAS Publ. 1994, 169p. ISBN:0-7069-7623-1
This book deals in 13 chapters with the main features of the DDC, with the Tables for Standard Subdivisions, with Special Tables and with 340 Law, 600 Technology, and 900 Geography and History. A last chapter contains five groups of Exercises in terms of topics, such as "A guidebook to holy places of Germany" and - in a separate list, according to the serial number of the entries - the solution: DDC 263.04243.

0174   **43.4.07**
Satija, M.P.: **Book review of Batty, D.: An introduction to the 20th Edition of the Dewey Decimal Classification. London: Library Assoc.Publ.1992. XVIp.+ 197 frames. + 5p. indexes.** (Orig. en). In: Knowl.Org. Vol.20 , No.4 1993, p.232-233

0175   **43.4.07**
Satija, M.P.: **Book review of Davis,S.W.: DDC Workbook: A practical introduction to the Dewey Decimal Classification. Albany, NY: Forest Press/OCLC 1992. 58p..** (Orig. en). In: Knowl.Org. Vol.20 , No.4 1993, p.232-233

0176   **43.6-69, -39**
Malan, C.: **Die reis deur Dewey - die 900 klas.** The journey through Dewey -the 900 class. (Orig. nl). In: Cape Librarian Vol.36 , No.9 1992, p.18-21

57

0177   **43.88-985**
Collins, W.P.:**Classification for materials on the Bahá'í Religion: A "B200" schedule based on the Dewey Decimal Classification, Pt.1.** (Orig. en). In: Catalog.& Classif.Quart. Vol.16, No.4 1993, p.103-121, 3 refs.
The Bahá'í World Centre Library in Haifa, Israel has received in 1987/88 an expansion of the Library of Congress Classification by the author for their holdings. As there are 5.5 million adherents to this community worldwide, almost in each country, the author proposes with this article a similar expansion for the DDC.

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

0183   **448.6-984**
Weinberg, B. H.:**The hidden classification in Library of Congress Subject Headings for judaica.** (Orig. en). In: Libr.Resources & Techn.Serv. Vol.37, No.4 1993, p.369-379, refs.

0181   **448, 812**
Fina, M.:**The role of subject headings in access to information: The experience of one Spanish-speaking patron.** (Orig. en). In: Catalog.& Classif.Quart. Vol.17, No.1/2 1993, p.267-274, 12 refs.

0178   **44.6-39**
Rockwell, K.:**Something to make your life easier: Utah Cutters.**(Orig. en). In: West.Assoc.Map Libr.Inf.Bull. Vol.24, No.3 1993, p.207-7
Gives an updating of LC'S list of Geographic Cutters regarding the UTAH regions.

0182   **44.6-519**
Berman, S.:**Prejudices and antipathies: A tract on the LC Subject Heads concerning people.** (Orig. en). Jefferson, NC: McFarland 1993, 211 p. ISBN: 0-89950-828-6

0179   **44.984**
Mbaakanyi, D.M.: Ubogu, F.N., Lumande, E.:**Subject authority control in a computerized system: use of CDMARC subjects in an academic library.** (Orig. en). In: Electron.Libr. Vol.11, No.4-5 1993, p.311-317, 10 refs.
The paper discusses the planning for and ultimate use of the CD-MARC Subjects in the library of the University of Botswana. The structure of the records of the CD-MARC Subjects was mapped to corresponding fields in the thesaurus structure of the system software, TINlib.

0180   **44.984**
Miro, A.B.: Sahun, X.B., Ferrer, M.E.: **La Library of Congress Classification à la Biblioteca de la Universitat Pompeu Fabra.** (Orig. fr). In: Item, No.12 1993, p.93-104, refs.

47 On the Library Bibliographical Classification.

0184   **47.08**
Bibliotechno-Bibliograficheskaya Klassifikatsiya. Teoriya i praktika. Trudi, Tom 23. Library-Bibliographical Classification, Theory and Practice. Vol.23. (Orig. ru). Moskva: Gos.Ord.L.Bibl. 1990, 224 p. Vol.23 of the contributions on the LBC is arranged in the following 4 sections: Forming and establishing the LBC system, Theoretical research, Perfection and methods of the LBC, Regional Variants of the LBC. The papers are:
0185 Fadicheva, A.:**The results of LBC development within 1980-1988 and its further perspectives.** - 0186 Isayeva, T.: **Coordination of work of cooperative in Library-Bibliographical Classification local libraries.** - 0187 Zhurzhalina, N.:**O.Teslenko and her role in development of theory and practical work of LBC.** - 0188 Fadicheva, E.: Reutova, L.:**The elaboration of means of interaction of the LBC with other IRLs.** - 0189 Kriventsova, G.:**The experience of elaborating tabular concordance between the SAS STI glossary and the LBC.** - 0190 Zhurzhalina, N.: Khangjan, I.:**Reflection on the general and interdisciplinary knowledge in the LBC.**-0191 Pozdnyakov, A.: **The structure of contemporary computer science and its problems in LBC.**

- 0192 Vulykh, I.: Goltvinskaya, T.: **Analysis of structure table components of LBC and suggestions on its optimization.** -0193 Kovelman, A.: **Time and space in IBC. Concerning the issue of chronological divisions and historical territorial divisions.**-0194 Goltvinskaya, T.:**The results of work on the perfection of the LBC tables.** - 0195 Gubar, S.:**Perfection of the scientific contents of the table for "Politics. Political Sciences".** - 0196 Gabbasov, M.: **Problems of optimization of structure of the table for "State and Law. Juridical Sciences".** - 0197 Ventsel, N.: **The process of typization of LBC tables exemplified by the subdivision of "B38 Physics of the atomic nucleus and of elementary particles".** - 0198 Golodnova, N.: **Optimization of the LBC table on "Ch61 Press".**- 0199 Koltypina, G.: Semenyuk, A.:**LBC for printed music editions. Problems of optimization of LBC division "Shch9 Musical compositions (Printed music editions).** - 0200 Kildyushevskaya, L.: Kotelnikova, N., Utin, G.: **Tasks of further development of subdivision "D18 Cartographical materials".** 0201 Trubacheva, L.: Martyukova, I.:**ASI possibilities in LBC as a tool of automatic retrieval information in dialogue mode.** -0202 Vasil'eva, N.: Lipovestkaya, L.: **LBC tables of regional libraries: problems and perspectives.**-0203 Mezhinene, A.:Shimakauskene, S.: **LBC in Lithuanian libraries.** - 0204 Makhotkina, L.:**Regional variant of LBC.** - 0205 Vasil'eva, N.: **Reflection on the regional aspect in the LBC and a catalogue of regional libraries.**

48 On Other Universal CS and T.

0206   **482**
Iwabuchi, Y.: **Outlines of the draft 9th edition of the Nippon Decimal Classification, Table 9: Social Sciences.** (Orig. ja). In: Toshokan Zasshi/Libr.Journal Vol.87, No.1 1993, p.58-61

0207   **482**
Miura, H.: **Critical essays on the Nippon Decimal Classification proposed 9th ed.5: (3) 'social science' class, (6) 'industry' class, and (9) 'literature' class.**

0208   **482**
Furukawa, H.:**Outline of the draft 9th edition of Nippon Decimal Classification 11: Supplementay tables.** (Orig. ja). In: Toshokan Zasshi/Libr.Journal Vol.87, No.4 1993, p.245-248

0209   **482**
Tamura, T.: **Critical essays on Nippon Decimal Classication, proposed 9th ed.(4).** (Orig. ja). In: Toshokan-Kai (Libr.World) Vol.45, No.2 1993, p.272-280, refs.
Comments on the proposed 9th edition looking at class 500 - Technology and class 800 - Language

0210   **485**
Lehmann, K.: Pohlenz, K.: **Gliederung der KAB/E fertiggestellt.** Outline for the Classification System for General Libraries (KAB) completed. (Orig. de). In: BibliotheksInfo Vol.3 1993, p.422-425

0211   **485**
Kaptein, O.: **Die neue KAB/E oder Klassifikation für's 3. Jahrtausend?.** The new KAB/E - or a classification system for the 3rd millenium?. (Orig. de). In: Buch u. Bibliothek Vol.46, No.2 1994, p.196-198, 6 refs.
Review of the revised scheme (Klassifikation für Allgemeinbibliotheken), published in 1993.

6 On Special Subjects CS & T.

62 On CS & T in Area 2.
See also 0097

0213   **626**
Kirby, G.H.: Polton, D.J.:**Systematical chemical nomenclatures in the computer age.** (Orig. en). In: J.Chem.Inform.Comput.Sci. Vol.33, No.4 1993, p.560-563, 25 refs.
The paper draws upon experience in the development of computer software which generates and analyzes systematic organic chemical

58

Knowl. Org. 21(1994) No.1
Knowl. Org. Literature 21(1994)

nomenclatures and highlights some general points where these nomenclatures cause difficulties in computer processing. (Authors, abbr.)

0212   **626, 756**
Vet, P.A.van der: Mars, N.J.I.: **Structured system of concepts for storing, retrieving, and manipulating chemical information.** (Orig. en). In: J.Chem.Inform.Comput.Sci. Vol.33, No.4 1993, p.564-548, 21 refs.
Sharing and reuse of databases and knowledge bases with chemical information is seriously hindered by a lack of standards. The paper stresses the need for standardization at the level of concepts. Standardization can be achieved by using limitative concept systems or ontologies (in the technical sense). The principle of the conceptual construction kit for building an ontology is introduced and utilized to construct an ontology for an important part of chemistry. This ontology is proposed as a first step toward a standardized ontology for chemistry. (Authors)

63

63 On CS & T in Area 3.

0214   **639**
Amat, C.B.: Alcocer, A.B.: **Generating structural input files of BRS thesaurus creation and maintenance.** (Orig. es). In: Rev.Espan.de Doc.Cient. Vol.16, No.2 1993, p.119-136, refs.
Presents a method for batch creation and maintenance of BRS thesaurus files with a thesaurus containing 7,500 terms corresponding to world geography which is used to control input and retrieval from several bibliographic and audiovisual databases. (Authors, abbr.)

65 On CS & T in Area 5.

0219   **6519**
Drenthe, G.: Sommen, M.V.D.: **Subject indexing masculine and feminine terminology: the Women's Thesaurus.** (Orig. nl). In: Open Vol.24 10: 1992, p.332-6, refs.
Some 50 documentation centers on women's affairs have been created in the Netherlands and in Belgium in recent years. This increased interest resulted in a joint project towards a respective thesaurus. Work began in 1988, the final version was published 1992. The thesaurus contains some 2,200 terms and 700 references. The thesaurus is maintained by the IIAV in Amsterdam.

0215   **651/4**
Nelson, S.J. et al.: **From meaning to term: semantic locality in the UMLS metathesaurus.** (Orig. en). In: Assessing the Value of Medical Informatics: Proc. 15th Ann.Symp.on Computer Applicat. in Medical Care. Washington, DC, Nov.1991 New York: McGraw-Hill 1992, p.209-213

0216   **651/4**
Squires, S.J.: **Access to biomedical information: the Unified Medical Language System.** (Orig. en). In: Library Trends Vol.42, No.1 1993, p.127-151, 5p.refs.

0217   **651/4**
Tuttle, M.S. et al.: **Adding your terms and relationships to the UMLS Metathesaurus.** (Orig. en). In: Assessing the Value of Medical Informatics: Proc.15th Ann.Symp. on Computer Applicat.in Medical Care, Washington, DC, Nov.1991 New York: McGraw-Hill 1992, p.219-223

0218   **651/4**
Yang, Y.: Chute, C.G.A.: **A schematic analysis of the Unified Medical Language System.** (Orig. en). In: Assessing the Value of Medical Informatics. Proc. 15th Ann.Sympo. on Computer Applications in Medical Care. Washington, DC, Nov.1991 New York: McGraw-Hill 1992, p.204-208

0220   **655**
Walker, A.: **The Thesaurus of Psychological Index Terms: a historical review.** (Orig. en). In: Behavioral & Soc.Sci.Librarian Vol.11, No.2 1992, p.39-57, refs.

656 Education
See also 0040

66 On CS & T in Area 6.

0221   **662**
Chmielewska-Gorczyca: **The EUROVOC multilingual thesaurus.** (Orig. pl). In: Zag.Inf.Nauk. Vol.61, No.1 1993, p.87-107

0222   **666.237**
Clementi, F. et al.: **Automatic construction of a thesaurus for legal data banks on CR-ROM.** (Orig. it). In: Elettrotecnica Vol.79, No.7-8 1992, p.689-699

0223   **668**
Dimmock, E.: **Military systems and equipment: classification code.** (Orig.en). In: Int.Inform.Communic.& Educ. Vol.11, No.2 1992, p.262-3
The article refers to the section in the revised INSPEC Classification Scheme of 1988, B79, dealing specifically with military systems and equipment.

0224   **6696**
Schmitz-Esser, W.: **Publikumsfragen an Literatur zur Zeitgeschichte.** Questions from the public about literature on modern history. (Orig. de). In: Bibliotheksdienst Vol.27, No.6 1993, p.872-83
Reports on a project for the Haus der Geschichte der BRD, Bonn which needed a reclassification of its holdings of some 23,000 volumes. A thesaurus of 1,300 descriptors and 300 modifiers was developed for this project used together with 4,300 journalistic terms and the reclassification was done almost within one year.

7 Knowledge Representation by Language and Terminology.

71 General Problems of Natural Language in Relation to KO.

0225   **715**
Dykstra, M.: **Book review of Davies, P.: Artificial intelligence: Its role in the information industry. Medford, NJ: Learned Information 1991. X,114p..** (Orig. en). In: Inform.Process.& Management Vol.29, No.4 1993, p.524

0226   **715, 757**
Pilkington, R.M.: **Intelligent help: communicating with knowledge-based systems.** (Orig. en). New York: Oxford Univ.Pr. 1992, 190p. ISBN: 0-19-520940-0
See also 0003

72 Semantics.

0227   **723, 761**
Sedelow, S.Y.: **Formally modeling and extending whole-language-scale semantic space.** (Orig. en). In: Behav.Res.Meth.,Instr.& Comput Vol.25, No.2 1993, p.322-327, 41 refs.
For the analysis of continuous discourse in a wide range of corpora, it is essential both to model and to expand whole-language lexical resources (e.g., Roget's International Thesaurus). Rapidly extensible lexicons are of interest as special-domain extensions to a whole-language lexicon. The presentation argues for the validity of this approach, with specific reference to a viable, conceptual, whole-language, foundational lexicon, Roget's International Thesaurus, 1962. (Author, abbr.)

0228   **724**
Way, E.C.: **Book review of Indurkhya, B.: Metaphor and cognition: an interactionist approach. Dordrecht, NL: Kluwer 1992. XVII,456p..** (Orig. en). In: Computational Linguistics Vol.19, No.3 1993, p.553-556, 3 refs.

0229   **724, 812**
Priano, M.:**La quasi sinonimia nel "Soggettario".** Near synonymy in the subject catalogue. (Orig. it). In: Boll. Inf. AIB Vol.32 1992, p.43-53

726 Text Processing
See also 0024

73 Automatic Language Processing.
See also 0122

0230   **733**
Cubrilo, M.: **Lexical analysis with the use of Aho-Korasick Automata in Prolog language.** (Orig. Croatian). In: CIT - J. of Comput. & Inf. Techn. Vol.1 , No.1 1993, p.83-90, refs.

0231   **733**
Frappaolo, C.: **Artificial intelligence and text retrieval: a current perspective on the state-of-the-art.** (Orig. en). In: Williams, M.E. (Ed.) National Online Meeting 1992: Proc., New York, 5-7 May 1992 Medford, NJ: Learned Inform. 1992, p.113-114
Explores the possibility of integrating natural language processing and text retrieval.

0232   **733**
Bateman, J.:Book review of Klose, G., Lang, E., Pirlein, Th. (Eds.): **Ontologie und Axiomatik der Wissensbasis von LILOG. Berlin u. Heidelberg: Springer 1992. X, 253p.** (Orig. en). In: Computational Linguistics Vol.19 , No.3 1993, p.539-543, 2 refs.

0233   **734**
Brito, M. de:**Information systems in natural languages: the search for an automatic indexing system.** (Orig. pt). In: Ciencia da Informacao Vol.21 , No.3 1992, p.223-232, refs.
Deals with the automatic processing of natural language particularly for texts in respect of noun phrase structure elements. A new tool for morpho-syntactic analysis was developed with the programming language Starlet. Report on results. (Author, abbr.)

75 Online Retrieval Systems and Technologies.
See also 0338

0234   **751**
Chen, P.Sh.: **On inference rules of logic-based information retrieval systems.** (Orig. en). In: Inform. Process. & Management Vol.30 , No.1 1994, p.43-59, 24 refs.

0235   **751**
Weisgerber, D.W.: **Interdisciplinary searching: Problems and suggested remedies.** A report from the ISCTI group on interdisciplinary searching. (Orig. en). In: J.Doc. Vol.49 , No.3 1993, p.231-254
In response to its mission of identifying and describing problems of interdisciplinary searching, and of proposing remedies and solutions, the ICSTI Group gathered the relevant information through a questionnaire addressed to the database builders, online system vendors, search intermediaries, and end users. It analyzed and organized the input and presented a report which discusses the problems in six distinct categories: 1) coverage and technical content of the database, 2) bibliographic information, 3) textual content, 4) numeric data, 5) file organization, 6) interdisciplinary searching on multiple hosts.

0236   **752**
The subject enhancement of OPAC records and the need for multilingual access. (Orig. en). In: Vine , No.90 1993, p.33-35, refs.
Considers an enhancement either by natural language or PRECIS controlled vocabulary, and in addition by multilingual access. For the latter a controlled vocabulary is the best option.

0237   **752**
Cinneide, C.N.: **'A foolish consistency..': the obsolescence of authority control in the online catalogue.** (Orig. en). In: An Leabharlann Vol.9 , No.4 1993, p.110-16, refs.
Argues that authority control is of little or no value in the online environment.

0238   **752**
Piascik, J.M.: **Enhanced subject access in Ohio public libraries.** (Orig. en). In: Catalog. & Classif. Quart. Vol.16 , No.4 1993, p.77-91, 9 refs.

0239   **752, 812, 814**
Schulz, U. :**Einige Forderungen an die Qualität von Normdateien aus der Sicht der inhaltlichen Erschlieung. Teil 3: Thematischer Zugriff und terminologische Pfade.** Some demands on the quality of standard data files from the viewpoint of subject cataloguing for online catalogues. Pt.3: Thematic access and terminol. (Orig. de). In: Bibliotheksdienst Vol.27 , No.8 1993, p.1160-80, refs.
Morphological and semantic separation of precombined terms can increase access possibilities. Classificatory and verbal access should be combined. Standard data files should help end users as well as librarians.
See also 0122

0240   **753**
Allen, B.: **Improved browsable displays: an experimental test.** (Orig. en). In: Inform. Technol. & Libraries Vol.12 , No.1 1993, p.203-8
A hierarchical presentation of headings reduced the amount of scanning by more than 50% without any reduction in effectiveness

0242   **753**
Leymann, F. :**Refinement of enquiries in retrieval systems based on the universal relation model.** (Orig. en). In: Information Systems Vol.18 , No.2 1993, p.129-139, 21 refs.

0243   **753**
Losee, R.M.Jr.: **Term dependence: Truncating the Bahadur Lazarsfeld expansion.** (Orig. en). In: Inform. Process. & Management Vol.30 , No.2 1994, p.293-303, 19 refs.

0244   **753**
Saito, Y.:**Information seeking and query formulation: searching behaviour in an online catalogue.** (Orig. ja). In: Libr. Inform. Sci., Japan , No.30 1992, p.77-92, 3 p.refs

0245   **753**
Weiland, W.J.: Shneiderman, B.:**A graphical query interface based on aggregation/generalization hierarchies.** (Orig. en). In: Information Systems Vol.18 , No.4 1993, p.215-232, 26 refs.

0241   **753.757**
Khoo, Ch.S.G.: Poo, D.C.C.:**An expert system approach to online catalog subject searching.** (Orig. en). In: Inform. Process. & Management Vol.30 , No.2 1994, p.223-238, 25 refs.
A design for a rule-based expert system front-end is described and possible search strategies and selection rules are illustrated. The inference structure of the system is based on Clancey's model of heuristic classification. (Author, abbr.)

0246   **756**
Dikovich, W.: Labner, J., Schmidt, A.:**Schlagwortketten-Recherche für den BIBOS-OPAC.** Bericht über einen weiteren Versuch zur Unterstützung der BIBOS Komponente Sacherschließung im Rahmen des OSWD-Projektes. Retrieval of subject heading strings for the BIBOS OPAC. Report on a further attempt to support the BIBOS subject cataloguing component in the OSWD Pr. (Orig. de). In: Mitt. Vereinig. Österr. Biblioth. Vol.46 , No.2 1993, p.25-32

0247   **756**
Lee, J.H.: Kim, M.H., Lee, Y.J.:**Ranking documents in thesaurus-based Boolean retrieval systems.** (Orig. en). In: Inform. Process. & Management Vol.30 , No.1 1994, p.79-91, 20 refs.

0248   **756**
Mazur, Z.: **Models of a distributed information retrieval system based on thesauri with weights.** (Orig. en). In: Inform. Process. & Management Vol.30 , No.1 1994, p.61-77, 26 refs.
See also 0156, 0167

60

0249   **757**

Beynon-Davies, P.: **Expert database system: a gentle introduction.** (Orig. en). New York: McGraw-Hill 1992, 186p. ISBN: 0-07-707240-5

0250   **757**

Buhl, H.U.: Weinhardt, Ch.: **EAG: Ein Verfahren zur Gewißheitsverarbeitung in Wissensbasierten Systemen.** EAG: A method for reasoning under uncertainty in knowledge-based systems. (Orig. de). In: Informationstechnik Vol.34 , No.5 1992, p.296-306, 20 refs.

0251   **757**

Turban, E.: **Managing expert systems.** (Orig. en). Harrisburg, PA: Idea Group Publ 1992, 484p. ISBN: 1-878289-11-X
A collection of papers.

0252   **7578-46**

König, E.: **Application of an expert system to assist retrieval from agricultural databases (AGRIRES).** (Orig. en). In: Quart.Bull.Int.Assoc.Agr.Inf. Vol.37 , No.1-2 1992, p.31-34
The CAB Thesaurus and AGROVOC are used in the expert system which retrieves information from the AGRICOLA, AGRIS, and CAB Abstracts databases.

0253   **758-51/4**

Wu, G.: Ahlfeldt, H., Wigertz, O.: **MultiLink - An intermediary system for multi-database access.** (Orig. en). In: Meth.Inform. Med. Vol.32 , No.1 1993, p.82-89, 32 refs.
MultiLink is a desktop system for direct enduser access to remote bibliographic information. The application integrates regional, national and international resources. (Authors, abbr.)
See also 0135, 0226, 0241

0254   **759**

Marchionini, G.: Dwiggins, S., Katz, A., Lin, X.: **Information seeking in full-text end-user-oriented search systems: The roles of domain and search expertise.** (Orig. en). In: Libr.& Inform.Sci. Research Vol.15 , No.1 1993, p.35-69, 26 refs.

0255   **759**

Motzkin, D.: **On high performance of updates within an efficient document retrieval system.** (Orig. en). In: Inform.Process.& Management Vol.30 , No.1 1994, p.93-118, 18 refs.

76 Lexicon/Dictionary problems.

See also 0227

0257   **763**

Sadler, V.: **Book review of Zernik, E.: Lexical acquisition: Exploiting on-line resources to build a lexicon. Hillsdale, NJ: Lawrence Erlbaum 1991.IX,429p..** (Orig. en). In: Computational Linguistics Vol.19 , No.1 1993, p.214-216, 3 refs.

0256   **763, 357**

Fought, J.: Wesler, M., Davenport, H., Ess-Dykema, C.van: **Extending SGML concurrent structures: Toward computer-readable meta-dictionaries.** (Orig. en). In: Literary & Linguistic Comput. Vol.8 , No.1 1993, p.33-38, 8 refs.

0258   **765, 777 fr**

Borillo, M.: Virbel, J.: **Spécificité des dictionnaires et lexiques lectroniques u francais.** Specificity French electronics dictionaries and lexicons. (Orig. fr). Paris: Min.Rech.Espace 1990, 335p. MRE-87A 0121

77 Problems of Terminology.

See also 0022

0262   **771**

Felber, H.: **Allgemeine Terminologielehre und Wissenstechnik - Theoretische Grundlagen.** General terminology science and knowledge engineering - theoretical foundations. (Orig. de). Wien: TermNet 1993, 130p. ISBN: 3-901010-06-8

0264   **771.08**

Sonneveld, H.B.: Loening, K.L. (Eds.): **Terminology. Applications in Interdisciplinary Communication.** (Orig. en). Amsterdam/Philadelph: J.Benjamins 1993, VIII,244p. ISBN: 90 272 2131 6
The book consists of 14 contributions and an introduction by the editors. It concludes with a short subject index. The editors state that the book "aims at the exploration of the methods and principles which comprise the subject field of terminology, the establishment of its characteristics and the investigation of its usefulness to, and interaction with, other subject fields..." It is intended to continue with a new journal in 1994: "Terminology: applications in interdisciplinary communication". - 0265 Arntz, R.: **Terminological equivalence and translation.** - 0266 Pavel, S.: **Neology and phraseology as terminology-in-the-making.** - 0267 Rousseau, L.-J.: **Terminology and languages in contact in Québec.** - 0268 Thomas, P.: **Choosing headwords from language-for-special-purposes (LSP) collocations for entry into a terminology data bank (term bank).** - 0269 Buchan, R.: **Quality indexing with computer-aided lexicography.** - 0270 Reed, D.: **Some terminological problems of translating common law concepts from English to French.** - 0271 Knops, E.: **Thurmair, J.: Design of a multifunctional lexicon.** - 0272 Maurais, J.: **Terminology and language planning.** - 0273 Strehlow, R.: **Terminology standardization in the physical sciences.** - 0274 Godly, T.: **Terminological principles and methods in the subject field of chemistry.** - 0275 Wijnands, P.: **Terminology versus artificial intelligence.** - 0276 Yokoi, T.: **Knowledge archives.** - 0277 Riggs, F.: **Social science terminology: Basic problems and proposed solutions.** - 0278 Hirs, W.: **The use of terminological principles and methods in medicine.**

0263   **771**

Leclercq, H.: **Book review of Albrecht, J., Baum, R. (Eds.): Fachsprache und Terminologie in Geschichte und Gegenwart. (Special language and terminology in history a.** nd present time). Tübingen: G.Narr Verlag 1992.333p.. (Orig. fr). In: Knowl.Org. Vol.20 , No.4 1993, p.233-234

0279   **777 ru**

Grinev, S.V.: Zhuravlev, V.F., Averbukh, K. et al.: **Selected readings in Russian terminology research.** (Orig. en). Wien, Austria: TermNet 1993, 110 p. IITF-Series 3 ISBN: 3-901010-08-4

0259   **77.07**

Riggs, F.W.: **Book review of Sager, J.: A practical course in terminology processing. Amsterdam-Philadelphia: J.Benjamins 1990. XI,254p..** (Orig. en). In: Int.J.Lexicography Vol.6 , No.1 1993, p.70-77

0260   **77.08**

Hoffmann, L. (Ed.): **Empfehlung, Standard, Norm. Beiträge zur Rationalisierung in der Fachkommunikation.** Recommendation, standard, norm. Contributions toward productivity in subject communication. (Orig. de). Leipzig: Verl.Enzyclopäd 1990, 149p. Linguistische Studien
Collection of contributions with the purpose to optimize texts for a more efficient communication process. H.Felber wrote on the history of the international standardization of terminology, M.Lachaud is concerned with terminology standardization in technology. M.Gerbert treated "Syntactical standardization trends in the English technical languages", C.Weese "Uniformity and differences in the syntax of the Russian technological terminology". L.Hoffmann combined the paradigmatical approach of thesauri with the syntagmatical one of technical texts. Further contributions by K.D.Baumann were concerned with the investigation of standards, by H.Klaus with the methods of subject analysis and abstracting, by L.Fijas with state-of-the-art reports, by M.Lampe with the verbal unification of standards, by K.Seise with trends in the unification of the use of pronouns in abstracts, by S.Selle with features in French legal documents.

0261   **77.08**

Picht, H.: Lauren, C.(Eds.): **Ausgewählte Texte zur Terminologie.** Selected readings in terminology. (Orig. de). Wien, Austria: TermNet 1993, 548 p. ISBN: 3-901010-07-6

61

777 National Languages
See also 0258

78 Subject-oriented Terminology Work (TW).

0280   78-6
Gaudin, F.: **Pour une socioterminologie. Des problèmes semantiques aux pratiques institutionelles.** Socioterminology. From semantic problems to institutional practices. (Orig. fr). Rouen: Univ.Press 1993, 255p., 281 refs. Publ.de Univ.de Rouen, No.182 ISBN: 2-87775-036-1
Adaptation of a doctoral thesis, in 3 parts with altogether 17 chapters. Pt.1 deals with a historic and institutional approach of a discipline, Pt.2 with a critical approach towards the discipline, and Pt.3 is entitled: Tracing a socioterminology with the chapters: Terminology and knowledge, Vulgarization, Verbal interaction and knowledge, Neology - treating the non-edited, Problems of standardization, Linguistics and terminological standardizations, Terms and discourse, Discourse study of the semantics of terms, Naming, Praxeology - a theory of the term? - Conclusion.

8 Applied Classing and Indexing (C & I).

81 General Problems, Catalogues, Guidelines, Rules, Indexes.

0281   812, 752
Cochrane, P.A.: **Book review of Tychoson, D.A. (Ed.): Enhancing access to information: Designing Catalogs for the 21st century. New York: Haworth Press 1991. 243 p..** (Orig. en). In: Knowl.Org. Vol.20 , No.4 1993, p.231-232
See also 0122, 0181, 0229, 0239

0282   814, 752
Auer, G.: **RSWK-Verweise und Online-Kataloge.** RSWK references and online catalogues. (Orig. de). In: Mitt.Vereinig.Öster.Biblioth. Vol.46 , No.2 1993, p.17-20
See also 0239

83 Title Classing and Indexing.
See also 0139

0283   838-263
Sano, H.: Fujiwara, Y.: **Syntactic and semantic structure analysis of article titles in analytical chemistry.** (Orig. en). In: J.Inform.Sci. Vol.19 , No.2 1993, p.119-124, 10 refs.

84 Primary Literature C & I (except 85).

0284   844
Habara, T.: **Nikkei Sangyo Shimbun File: its characteristics and how to use it.** (Orig. ja). In: Joho Kanri Vol.35 , No.8 1992, p.675-688
The keyword and thesaurus schemes of the NIKKEI-TEC Newspaper article service are described as well as the frequency list of assigned keywords.

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Rodriguez Vela, C.: **Documentary languages in political information and current events databases.** (Orig. es). In: Rev.Espan.de Doc.Cient. Vol.15 , No.1 1992, p.13-23
Suggestion that a combination of free text indexing and descriptors of a thesaurus would be the most successful approach to deal with the items of a daily and weekly current events press.

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Riemer, J.J.: **The work of the CONSER Subject and Classification Task Force.** (Orig. en). In: In: Cole, J.E. et al. Serials Cataloging. Modern Perspectives and International Developments New York, etc.: Haworth Press 1992, p.101-122, 6 refs. 2 app. Serials Librarian 1992-1/4
The appendices contain a) the task force and its objectives, b) the questionnaire and the statistics of its answers.

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Larade, S.P.: Pelletier, J.M.: **Mediating in a neutral environment: gender-inclusive or neutral language in archival description.** (Orig. en). In: Archivaria Vol.35 , No.1 1993, p.99-109, refs.

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Seck, F.: **Die Erschliessung von Nachlässen und Autographen mit EDV.** Indexing bequests and autographs with computers. (Orig. de). In: Z.Bibl. wes.u. Bibliogr., Sonderh Vol.55 1992, p.30-35, 6 refs.

85 (Back of the) Book C & I.

0289   851
Babu, B.R.: **Some thoughts on requirements for a good index to a book.** (Orig. en). In: Lucknow Librarian Vol.23 , No.2 1991, p. 56-62, refs.

86 Secondary Literature C & I.

0290   861
Benson, E.: Dunn, L.R.: **The 'Routledge Encyclopedia' Project: Indexing tools and management techniques for large documents.** (Orig. en). In: Literary & Linguist.Computing Vol.8 , No.2 1993, p.91-94, 4 refs.
The index to this encyclopedia will have some 20,000 individual entries. The techniques and tools described in this paper are comprehensive enough to encompass the majority of indexing needs, easy to use, modest in cost, and available to scholars. (Authors, abbr.)

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Ali, S.N.: **Subject relationship between articles determined by co-occurrence of keywords in citing and cited titles.** (Orig. en). In: J.Inform.Sci. Vol.19 , No.3 1993, p.225-231, 14 refs.
Results of an investigation in which 1000 articles from the Science Citation Index and the Social Sciences Citation index were analyzed.

87 C & I of Non-book Materials.

0292   872
Brandhorst, H.: Huisstede, P.V.: **ICONCLASS in the computer: the classification of picture collections in an automated context.** (Orig. nl). In: Open Vol.24 , No.9 1992, p.294-298, refs.

0293   872
Cawkell, A.E.: **Developments in indexing picture collections.** (Orig. en). In: Inform.Serv. & Use Vol.13 1993, p.381-388, 8 refs.

0294   876
Babik, W.: **Cartographic materials as compound texts.** (Orig. pl). In: Zag.Inform.Nauk. Vol.60 , No.2 1992, p.21-44, refs.
Attempts to characterize the texts of cartographic materials. These texts are mixed in nature, because their essential contents is expressed in graphics, the language of maps, but some elements of these texts are expressed in natural language. The distinctive features which facilitate the identification of the relevant elements in texts of cartographic materials are described in the semantic structure of these materials with the aim of mapping them in information retrieval languages. (Orig.abstract)

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Babik, W.: **The structure of the semantic field of an information retrieval language for cartographic materials in the light of user needs.** (Orig. pl). In: Zag.Inform.Nauk. Vol.60 , No.2 1992, p.47-44, refs.
An analysis of 244 information requests addressed by users to the Central Cartographic Information in Warsaw was performed. An attempt was made to establish the desired structure of the semantic field of the information retrieval language for cartographic materials. (Orig.abstract)

To be continued in the next issue

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