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* 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.

** Monographs 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		

0 FORM DIVISIONS

03 Dictionaries, Terminologies

0216 032
Prytherch, R. (Comp.): **Harrod's Librarians's Glossary, 8th Edition.** (Orig. en). Aldershot, U.K.: Gower Publ. 1995, 712p. ISBN: 0-566-07533-4

The new edition (7th was in 1990) comprises 9000 terms used in information management, library science, publishing, the book trades and archive management.

0217 038, 487
WIPO: **Glossary of terms concerning Industrial property information and documentation.** (Orig. en). In: *World Patent Information Vol.15, No.1* 1993, p.21-39

The glossary contains the definitions of 153 terms. An appendix 1 has abbreviations, an appendix 2 gives a list of denominations of patent documents as published by industrial property offices. Appendix 3 contains examples of patent documents illustrating different kinds of patent families.

04 Classification Systems and Thesauri

042 Universal Decimal Classification

0218 042.3
UDC Consortium: **Classification Déclmale Universelle: édition abrégée, 5e éd..** (Orig. fr). Liège, Belgium: Editions du CEFAL 1994, 223p. ISBN: 2-87130-044-5

The volume has a preface by André Canonne. Abridged UDC edition. 5th ed.

048.1 Subject Headings Lists

0219 048.1
Miller, J. (Ed.): **Sears List of Subject Headings. 15th ed..** (Orig. en). New York, USA: H.W.Wilson 1994, 55+758p. ISBN: 0-8242-0858-7

The list is built up like a thesaurus with scope notes added were deemed necessary. The introduction deals with the following topics: Purpose of subject cataloguing. Determining the subject of the work. Specific and direct entry. Common usage. Uniformity. Form headings. Classification and subject headings. Grammar of subject headings. Subdivisions. Geographic names. Biography. Language and literature. Nonbook materials. Terminology. References. New terminology for existing subjects. New Subjects. Recording headings and references. Bibliography. Headings to be added by the cataloger. Key headings. List of commonly used subdivisions. Checking and adding headings. Sample page of checking. List of canceled and replacement headings. Symbols used.

048- Special Classification Systems and Thesauri

0220 048-32
NASA **Thesauru Supplement. Febr. 1995.** (Orig. en). Washington, DC: Natl.Aeronautics and Space Administr. 1995, 22p. NASA SP-7096, Suppl.1

A four part cumulative supplement of the 1994 edition of the NASA Thesaurus.

0221 048-39
Thésaurus géographiques: noms de lieux et divisions administratives. (Orig. fr). Paris: IBISCUS 1993, 157p. ISBN: 2-909994-00-7 Geographic thesaurus: place names and administrative division names

0222 048-46
AGROVOC. Thesaurus multilingue per l'agricola. (Orig. fr). Roma: ISMEA 1993, 800p.
The thesaurus comprises altogether 21,646 terms. Multilingual thesaurus for agriculture

Knowl. Org. 22(1995)No.2

Knowl. Org. Literature 22(1995)

0223 048-528-6
Alonso, A.: Eisenhardt, O.: **Inst.f.Dok. u. Inform. f.Sozialmed. u. Öff.Ges.wes:SOMED Thesaurus. 9th ed..** (Orig. de). Bielefeld, DE: IDIS 19993, 296+141p.

0224 048-51/4
National Library of Medicine Classification Schedule. 5th ed.. (Orig. en). Washington, DC: Anders Williams International 1994
The 5th ed. includes revisions to selected schedules in need of updating and also integrates into the Classification's index MeSH descriptors used in cataloging but not yet represented in the index to the 4th ed. It comprises close to 4000 notations and 18,000 index terms for both, entries and cross references. The system is available for USD 40 from Anders Williams International, 208, 12th Str., SE Washington, DC 20003.

0225 048-5384
Wagner, G. (Ed.): **Tumorlokalisationschlüssel. Topographischer Tell.** International Classification of Diseases for Oncology IDC O, 5th ed.. (Orig. de). Berlin-Heidelberg: Springer Verlag 1993, IX, 125p. ISBN: 3-540-56821-2 Tumor localization key. Topographic part 45 figs.

0226 048-55
Walker, A. jr. (Ed.): **Thesaurus of Psychological Index Terms, 7th ed. Twentieth anniversary 1974-1994.** (Orig. en). Washington, DC: Amer.Psych.Assoc. 1994, XXV, 343p. ISBN: 1-55798-225-2
Total number of terms now 7,311.

0227 048-56
FORMACODE. Thésaurus des domaines de formation. (Orig. fr). Paris, FR: Centre INFFO 1992, 115p.

The thesaurus comprises some 7000 terms. Thesaurus of educational fields. 2 vols.

0228 048-56
Thésaurus MOTBIS. (Orig. fr). Paris, FR: Centre Natl.de Doc.Pédagogique 1992, 864p. ISBN: 2-240-70582-5
Contains some 10,668 terms. Motbis thesaurus. 4 vols.

0229 048-642
Ebrard, C.: Tallard, A., De Coninck, J.: **Thésaurus bancaire et financier.** (Orig. fr). Guyancourt, FR: CNCA 1993, 156p. ISBN: 2-900607-05-1 Thesaurus for banks and financial matters

0230 048-66
Burton, W.C.: **Legal thesaurus.** (Orig. en). New York: Macmillan 1992

0231 048-666
Cour de Justice des Communautés Européennes: **THECLA. Thésaurus multilingue des mots clefs des arrêts de la Cour.** (Orig. fr etc.). Luxembourg: Cour Justice Comm.Europ. 1990
The thesaurus is in the following nine languages: fr, es, da, de, gr, en, it, nl, pt. Multilingual thesaurus of keywords of court decrees

0232 048-71/72
Chambre de Commerce et d'Industrie de Paris: **Le thésaurus de III Delphes. 2 vols..** (Orig. fr, en). Paris: Hauts de Seine/Saint Denis/Val de Marne 1993/94, 347+505p.
The French volume contains 5646 terms and the English one 5457 ones. The III Delphes Thesaurus

0233 048-731
Thimann, F.: **A Classification Scheme for Intellectual Property Holdings.** (Orig. en). London, GB: Common Law Inst.of Intellectual Property 1993
Short description of the scheme by Ellen Gredly in *World Patent Information* 16(1994)No.3, p.181.

0234 048-92
Negrini, G.: Zozi, P., Aschero, B., Fontana, A.I., Zanola, R.: **Thesaurus di letteratura Italiana.** (Orig. it). Roma, IT: CNR. Ist.di Studi Ricerca e Doc.Scient. 1995, 290 p.
This thesaurus has been structured in a faceted way according to the

systematifier principle, however, the four different lists have not as yet been related to each other by a common notation printed out. After an introduction by G.Negrini the following four lists present: (1) Descriptors by facets in alphabetical order, (2) List of descriptors in structured order, (3) List of all terms, (4) List of descriptors in alphabetical order with their entire set of relationships.

0235 048-94
Weinberg, B.H.: **Book review of Art & Architecture Thesaurus. New York and Oxford: Oxford Univ.Press 1994. 5 vols..** (Orig. en). In: *J.Amer.Soc.Inform.Sci.* Vol.46 , No.2 1995, p.152-160, refs.

0236 048-967
Otchere, F.F.: **African studies thesaurus: Subject headings for library users.** (Orig. en). Westport, CT: Greenwood Press 1992, 480p. *Bibl.& Indexes Afr.Studies*, 29 ISBN: 0-313-27437-1
The thesaurus comprises some 4,000 terms.

049 Conversion Tables

0237 049.43.44, 282
Scott, M.: **Alvey, Ch.: Conversion tables LCC-Dewey, Dewey-LCC.** (Orig. en). Englewood, CO: Libraries Unlimited 1993, XIII,365 p. ISBN: 1-56308-017-6
The conversion tables are published in printed and in disk version, the printed version is available for USD 60 (78 outside of North America) and the disk version (2 diskettes) for 65 and 72 (outside NA). *Book review in Cat.& Classif.Quart.* 19(1994)No.2, p.99-105, 2 refs.

05 Periodicals and Serials

0238 051
Garcia Marco, F.J. (Ed.): **SCIRE. Representación y Organización del Conocimiento.** (Orig. es). Vol.1 , No.1 Zaragoza, ES: Librería General 1995
This new journal is published by the Spanish ISKO Chapter being thus the first chapter having a journal of its own. This first number contains an Editorial by the Editor, F.J.Garcia Marco as well as six articles presented at the first regional ISKO Conference in Spain, Nov.4-5, 1993. It can be obtained from: Coop.de Artes Graficas, Librería General, Petro Curbuna 23, ES-50009 Zaragoza. Subscription USD 20 (personal), USD 40 (institutional). Editorial offices: Dr.F.J.Garcia Marco, Fac.de Filosofía y Letras, Universidad de Zaragoza, C/Pedro Curbuna 12, E-50.001 Zaragoza, Spain. The articles of no.1 are: Representation and Organization of Knowledge
0239 Curras, E.: **Concordance and discordance in knowledge organization of today and Its Intersection with the world of information.** - 0240 Marijuan, P.C.: **The social accumulation of knowledge: an interdisciplinary approach.** - 0241 Bernad, J.A.: **Knowledge analysis and representation: contributions from Cognitive Psychology.** - 0242 Esteban, M.A.: **Epistemological principles of documentary classification.** - 0243 Martin, B.: **Cinca, C.S.: Principles of artificial neural networks: hardware and software.** - 0244 Garcia Marco, J.: **Friendly interfaces for bibliographic retrieval.** - 0245 Esteban, M.A.: **The First Meeting on Knowledge Organization and Scientific Information, Zaragoza, Nov.1992.**

06 Conference Reports, Proceedings

0246 06.91-06-24/28
Brunt, R.M.: **Book review of Williamson, N.J., Hudon, M.(Eds.): Classification Research for Knowledge Representation and Organization. Proc.5th Int.Study Conf.. on Classif.Res., Toronto, Canada, June 24-28, 1991. Amsterdam: Elsevier 1992. XII,427p..** (Orig. en). In: *J.Doc.* Vol.49 , No.2 1993
The volume has also been reviewed by W.Goden in *J.Classif.* 11(1994)No.2, p.255-6.

0247 06.92-10-25
Svenonius, E.: **Book review of Fidel, R., Kwasnik, B.H., Smith,**

Ph.J. (Eds.): Advances In Classification Research:Proc.3rd ASIS SIG/CR Classif.Res.Workshop. Oct.25, 1992. Medford, NJ: Learned Inform. 1993. 181+35p.. (Orig. en). In: *Libr.& Inform.Sci. Res.* Vol.16 , No.4 1994, p.345-346

0248 06.93-03
Supper, R.: **Book review of Hermes, H.-J., Havekost, H. (Eds.): Die Systematik im OPAC: über das Instrumentarium zum Ordnen und Wiederfinden.** Oldenburg: Bibl.u.Inform.System d.Univ.Oldenburg 1993. 162p.. (Orig. de). In: *Z.Bibl.wes.Bibliogr.* Vol.41 , No.4 1994, p.407-408
The classification system in the OPAC: on tools for order and retrieval

0249 06.93-05
Ndi-Kimbi, A.: **Review of papers in Terminologies Nouvelles. Rév.semestrielle. M.Garsou, Ed., Bruxelles: Réseau Int. de Neologie et de Terminologie 1993. No.10, 79p..** (Orig. en). In: *Terminology* Vol.1 , No.2 1994, p.401-402
This issue of Terminologie Nouvelles is mainly devoted to the proceedings of the International Seminar on Phraseology organized by the Réseau International de Néologie et de Terminologie, Hull, Canada, May 1993.

0250 06.93.08
Harman, D. (Guest-Ed.): **The Second Text Retrieval Conference (TREC-2).** (Orig. en). In: *Inform.Process.& Management* Vol.31 , No.3 1995, p.269-448
Introductory text, followed by 11 papers:
0251 Harman, D.: **Overview of the Second Text Retrieval Conference (TREC-2).** - 0252 Sparck Jones, K.: **Reflections on TREC.** - 0253 Buckley, Ch.: **Allan, J., Salton, G.: Automatic routing and retrieval using SMART: TREC-2.** - 0254 Callan, J.P.: **Croft, W.B., Broglio, J.: TREC and TIPSTER experiments with INQUERY.** - 0255 Robertson, S.R.: **Walker, S., Hancock-Beaulieu, M.M.: Large test collection experiments on an operational, interactive system: OKAPI at TREC.** - 0256 Zobel, J.: **Moffat, A., Wilkinson, R., Sacks-Davis, R.: Efficient retrieval of partial documents.** - 0257 Mettler, M.: **Nordby, F.: TREC routing experiments with the TRW/Paracel Fast Data Finder.** - 0258 Evans, D.A.: **Lefferts, R.G.: CLARIT-TREC experiments.** - 0259 Strzalkowski, T.: **Natural language information retrieval.** - 0260 Caid, W.R.: **Dumais, S.T., Gallant, St.I.: Learned vector-space models for document retrieval.** - 0261 Belkin, N.J.: **Kantor, P., Fox, E.A., Shaw, J.A.: Combining the evidence of multiple query representations for information retrieval.**

0262 06.93-10-5/6
Meyer, Ingrid: **Symposium on Standardizing and Harmonizing Terminology: Theory and Practice, Philadelphia, Oct.5-6, 1993.** (Orig. en). In: *Terminology* Vol.1 , No.2 1994, p.403-405
Speakers at the symposium were R.Strehlow, S.E.Wright, R.L.Buchan, S. Greenwald, Ch.T.Gilreath, A.Melby, Ch.Galinski, K.Eck, I.Meyer, G.Shreve, and F.W.Riggs.

0263 06.93-10-27/29
Meder, N.: **Jaenecke, P., Schmitz-Esser, W.: Konstruktion und Retrieval von Wissen.** 3. Tagung der Dt. ISKO Sektion einschl.d.Vorträge des Workshops "Thesauri als terminologische Lexika", Weilburg, 27.-29.Okt.1993. (Orig. de). Frankfurt(Main): INDEKS Verlag 1995, VIII,269p. *Fortschr.i.d.Wissensorganisat.* ISBN: 3-88672-404-2

The volume comprises 24 papers arranged in 5 sections: Epistemology and knowledge organization. Concept analysis and object-orientation. Classification and identification. Knowledge organization in special areas. Knowledge organization in particular contexts. The papers: Construction and retrieval of knowledge
0264 Gödert, W.: **Externalisierung von Wissen: Eine informationstheoretische Betrachtung aus konstruktivistischer Sicht.** Externalization of knowledge: an information theoretical consideration from a constructivist point of view - 0265 Haller, H.-D.: **Wissensorganisation mit CEWID, einem wissensorientierten und tätigkeitsunterstützenden System.** Knowledge organization with CEWID, a knowledge-oriented and activity-supporting system

– 0266 Jaenecke, P.: **Wozu Wissensorganisation?**, To what end knowledge organization? – 0267 Kiel, E.: **Kulturelle Bedingtheit von Wissensorganisation**. Cultural dependency of knowledge organization – 0268 Schmitz-Esser, W.: **Ein Thesaurus als Teil eines terminologischen Lexikons**. A thesaurus as part of a terminological dictionary – 0269 Stünzner, L.: **Das Problem der Komplexität aus systemtheoretischer Perspektive: Auswirkung auf das System Organisation und das organisationale Wissen**. The complexity problem seen from a system-theoretical point of view: Effect on the system organization and organizational knowledge – 0270 Dahlberg, I.: **Universalität - viele Anwenderterminologien unter einem Dach - fachlich-terminologische Instrumentarien nach Maß?**. Universality - many applied terminologies under one roof - specially created terminological tools? – 0271 Gödert, W.: **Möglichkeiten der Disambiguierung durch Erstreckungsformen**. Possibilities of disambiguation by extension forms – 0272 Nohr, H.: **Thesaurussoftware für den PC: Leistungsanforderungen und Gestaltungsprinzipien autonomer Wörterbücher**. Thesaurus software for the PC: requirements and principles for the form of autonomous dictionaries – 0273 Sechser, O.: **Thesaurus und Datenstrukturen**. Thesaurus and data structures – 0274 Sechser, O.: **Zweckoffenheit der Thesauri**. Openness of thesauri for different purposes – 0275 Ungváry, R.: **Das System der Branchen für den Alltagsgebrauch. Ein Thesaurus und sein Umfeld**. The yellow pages for daily use. A thesaurus and its environment – 0276 Zimmermann, H.H.: **Überlegungen zu einem multilingualen Thesaurus-Konzept**. Considering a multilingual thesaurus conception – 0277 Aschero, B.; Negrini, G.; Zanola, R.; Zozi, P.: **Systematifier: A guide for the systematization of Italian literature**. – 0278 Bies, W.: **Pragmatische Inhaltsschließung: Grundlagen, Probleme und Perspektiven**. Pragmatic subject analysis: Foundations, problems, and perspectives – 0279 Löckenhoff, H.: **Zu Modellen und zur Modellierung in der Wissensordnung**. On models and modeling in knowledge order. – 0280 Machlinski, Ch.: **Informationsorganisation als Innovation im Bereich der Forschung und Entwicklung**. Information organization as an innovation in the field of research and development – 0281 Ohly H.P.: **Sozialwissenschaftliche Terminologie: Kontext-Abhängigkeiten und Ihre Berücksichtigung in der Analyse von Konzepten**. Social science terminology: Contextual dependencies and their consideration in analyzing concepts – 0282 Bauer, G.: **Strukturbildartige Repräsentation von Wissensänderungen**. Structural image representations of changing knowledge – 0283 Ingener, J.: **Intensional orientierte Begriffsordnungssysteme und die Dichotomie analytisch-synthetischer Urteile**. Intensionally oriented concept order systems and the dichotomy of analytico-synthetic judgments – 0284 Preuss, L.: **Grundlage für eine quantitative Logik**. Foundations for a quantitative logic – 0285 Rahmstorf, G.: **Wissensorganisation und Wissensvertextung**. Knowledge organization and knowledge textualization – 0286 Wachter, F.; Jaenecke, P.: **Experimente mit Assoziativspeichern**. Experiments with associative memories – 0287 Zelger, J.: **Sind Erkenntnisse über die Struktur von Phantasien nützlich bei der Wissensorganisation?**. Are insights regarding the structure of fantasies useful in knowledge organization?

0288 Garcia Marco, F.J. (Ed.): **Organizaclon del Conocimiento en Sistemas de Informacion y Documentacion. Actas del I Encuentro de ISKO-Espana**. Madrid, 4 y 5 Nov. de 1993. (Orig. es). Zaragoza, Spain: Libreria General 1995, 286p. ISBN: 84-600-9158-9
The proceedings volume of the first Spanish Regional ISKO Conference contains 23 papers arranged in the following sections: Perspectives, Theoretical bases, Experiments in teaching, Applied Research. The papers: Organization of Knowledge in Information and Documentation Systems. Proceedings of the Spanish ISKO Chapter Conference, Madrid, 4-5 Nov. 1993
0289 Curras, E.: **Introduction**. – 0290 Dahlberg, I.: **Current trends in knowledge organization**. – 0291 Izquierdo, J.M.: **Conceptual structures for documentary representation**. – 0292 Izquierdo, J.M.; Moreno Fernández, L.M.: **Metalinguistic terminological prob-**

lems in combinatory indexing languages. – 0293 Esteban Navarro, M.A.: **Knowledge representation and organization in archives: documentary languages in classification, ordering and description processes**. – 0294 Campillos, M.P.M.: **Difficulties for the conception of a universal classification in archival science**. – 0295 Garcia Marco, F.J.: **Scientific paradigms in information retrieval**. – 0296 Moreiro González, J.A.: **Teaching documentary languages in library and information science studies: problems and trends**. – 0297 Espelt, C.: **Theoretical backgrounds of documentary languages instruction**. – 0298 Merlo Vega, J.A.; Bravo, B.R.: **Teaching documentary languages in the University of Leon**. – 0299 Frías Montoya, J.A.: **Relationship between document analysis and cataloguing: its representation in the curriculum of the University of Salamanca**. – 0300 Segundo Manuel, R.S.: **Methodology for knowledge representation in library and information science**. – 0301 López-Huertas Pérez, M.J.: **A methodology for teaching IUDC to undergraduate students in library and information science**. – 0302 Sánchez Casabón, A.I.: **Teaching hierarchically-structured documentary languages: the example of UDC**. – 0303 Urdiciain, B.G.: **Teaching approaches to precoordinated and postcoordinated indexing systems**. – 0304 Esteban Navarro, M.A.: **Applications of terminology to documentary languages management education**. – 0305 Analysis, languages, and representation for audio-visual document retrieval: a doctorate course. – 0306 Garcia Marco, F.J.: **Contents and sequence of knowledge organization instruction: an interdisciplinary proposal**. – 0307 Izquierdo, J.M.: **Computer-assisted document generation: a standard micro-system for knowledge organization**. – 0308 Román, A.R.: **Indexing terms and research on scientific information: a specific application**. – 0309 Uriondo, J.L.; Gil, G.: **Sequential-systematic ordering for libraries: an integrated methodology**. – 0310 Lacruz, C.A.: **Documentary language construction for educational centres' information systems**. – 0311 Moreno Fernandez, L.M.; Navarro, C.Ch.: **Management of the museums' information and documentation systems in the autonomous community of Murcia**. – 0312 Saz, J.T.: **Evolution of classificatory systems in archaeology: from data to interpretation**.

0313 Nixon, S.: **Symposium of Deutscher Terminologie-Tag (DTT), Cologne, Germany, April 15-16, 1994**. (Orig. en). In: Terminology Vol.1, No.2 1994, p.405-408

Reports on this conference which had the topic: Macro- and microeconomic aspects of terminology as a productivity factor.

0314 Jones, Kevin: **Book review of Albrechtsen, H. et al: Knowledge organization and quality management. Proc. 3rd Int. ISKO Conference, 20-24 June 1994, Copenhagen**. Frankfurt: INDEKS Verlag 1994. 448p. (Orig. en). In: Indexer Vol.19, No.3 1995, p.236

0315 Conference on Environmental Knowledge Organization and Information Management. Recommendations. (Orig. en). In: Knowl.Org. Vol.22, No.1 1995, p.39-40

0316 Wagner, Dieter: **Book review of Stancikova, P. et al: Environmental knowledge organization and information management. Proc. 1st European ISKO Conference, Bratislava, 16-18 Sept. 1994**. Frankfurt: INDEKS Verlag 1994/95. 216+88p. (Orig. de). In: UVP Report, No.3 1995, p.157

0317 Polikarpov, A.A. (Ed.): **Quallico-94. 2nd International Conference on Quantitative Linguistics, Sept. 20-24, 1994, Moscow, Lomonosov Moscow State University, Philological Fac.**. Abstracts of Papers. (Orig. en, de, ru). Moskva, RU: 1994, 234p.
The volume contains abstracts and full papers from 68 authors, listed in alphabetical order at the end of the volume. The papers are in English (with a few exceptions) with Russian abstracts. The first Qualico Conference took place in Trier 1991. The second one was

organized in collaboration with the Trier University and with the International Informatization Academy. The following papers seem to be of relevance in our context:

0318 Chizhova, L.A.: Shibaeva, M.V.: **Multicomponent names of International organizations as terminological units.** – 0320 Godbert, E.: Pasero, R.: **A logical representation for the conceptual coherence of a sentence.** – 0321 Polikarpov, A.A.: **Evolutionary aspects of a language as a natural classification system.** – 0322 Shelov, S.D.: **Systematic arrangement of terms in the dictionary: quantitative approach to linearization.** – 0323 Sutcliffe, R.F.E.: O'Sullivan, D., McElligott, A.: **Creating a large semantic lexicon for nouns.** – 0324 Tuldava, J.: **Information measures of causality.**

0325 **06.94-11-08, 31**
Riesthuis, G.J.A.: **Afraid of subject indexing?.** (Orig. en). In: Knowl.Org. Vol.22 , No.1 1995, p.33
Report on a symposium on indexing held in Antwerp, Nov.8, 1994, organized by the Section for Scientific Libraries of the Dutch Assoc. of Librarians and the Assoc. of Flemish Librarians, Archivists, and Documentalists.

0326 **06.94-11-24/25**
Wright, A.: **TAMA'94. 3rd International Symposium on Terminology In Microcomputer Applications, Vienna, 24-25 Nov. 1994.** (Orig. en). In: Infoterm Newsletter , No.75 1994, p.1-7
Comprehensive report covering the Terminology Management Systems MTX, MultiTerm for Windows, GlobeDisk, System Quirk, ValTer, DANtermBASE, Concept & Term, and HyperTerm/Termis. Of the Machine Translation Systems just METAL and LOGOS were represented. A third part was devoted to Integrated Translation Workbenches; here the TranslationManager and Transiator's Workbench is described.

0327 **06.94-10-24/27**
Helal, A.H.: Weiss, J.W. (Eds.): **Information Superhighway: The role of librarians, information scientists, and intermediaries. 17th Essen Symposium, 24-27 Oct.1994.** Festschrift in honor of Frederich Wilfrid Lancaster. (Orig. en). Essen, Germany: Universitätsbibliothek 1995, 50+410p. ISBN: 3-922602-19-3
34 papers and a preface honoring the work of Wilf Lancaster, as well as a conference summary and an index. There is no paper with direct relevance to the field of knowledge organization.

0327a **06.94-11-26**
Galinski, Ch.: **8th Symposium of the Japan Terminology Association.** (Orig. en). In: Knowl.Org. Vol.22 , No.1 1995, p.35

0328 **06.05-02-22/25**
Conference on Conceptual Knowledge Processing. Methods and Applications. (Orig. en). In: Knowl.Org. Vol.22 , No.1 1995, p.33-34
Report on the conference which took place from Febr.22-25, 1995 at darmstadt.

0329 **06.95-04-25/26, 752**
Wende, F.: **RSWK für den Online-Katalog. Ein Kolloquium In Weimar.** (Orig. de). In: Dialog Bibl. Vol.7 , No.2 1995, p.45-48
Report on a colloquy held at Weimar, 25-26 April 1995. Speakers and discussants were a.o. K.Lepsky, W.Gödert, K.Erdei, Fr.Recker, B.Kelm, G.Geisselmann, G.Stumpf, Dr.Mücke, H.U.Weidenmüller. The Subject Cataloguing Code (RSWK) for the online catalogue. A colloquy in Weimar

0330 **06.95-09-13/15**
Call for Papers: Research Seminar on Compatibility and Integration of Order Systems (Warsaw, Sept.13-15, 1995). (Orig. en). In: Knowl.Org. Vol.22 , No.1 1995, p.38

0331 **06.96-07-15/16**
4th International ISKO Conference, Washington, DC, July 15-16, 1996. Call for Papers. (Orig. en). In: Knowl.Org. Vol.22, No.1 1995, p.37-38

07 Textbooks

0332 **07.1**
Satiya, M.P.: **Book review of Langridge, D.W.: Classifications: Its kinds, elements, systems, and applications.** London-Munich-New York: Bowker Saur 1992. X,84p.. (Orig. en). In: Knowl.Org. Vol.22 , No.1 1995, p.45

0333 **07.1**
Maltby, A.: **(Book review of same title as under 0332).** (Orig. en). In: J.Doc. Vol.49 , No.1 1993, p.68-70

0334 **07.21**
Gaus, W.: **Dokumentations- und Ordnungslehre. Theorie und Praxis des Information Retrieval.** (Orig. de). Berlin-Heidelberg: Springer Verlag 1995, X,400p. ISBN: 3-540-58117-0
Documentation and Order Science. Theory and Practice of Information Retrieval. 2nd entirely rev.ed. 113 figs.

0335 **07.21**
Marcella, R.: Newton, R.: **A new manual of classification.** (Orig. en). Aldershot, Hampsh.: Gower Publ. 1994, 394p. ISBN: 0-566-07547-4

08 Other Monographs

0336 **08.177**
Kuhlen, R.: **Informationsmarkt. Chancen und Risiken der Kommerzialisierung von Wissen.** (Orig. de). Konstanz, Germany: UVK Universitätsverlag 1995, XXII,608p., ca 480 refs ISBN: 3-87940-528-X

The book is in two parts. Pt.1 treats the theoretical aspects of the informational added value and Pt.2 the practice-oriented ones. The 5 chapters of Pt.1 have the following topics: On the two information markets of economics and science. On the information market environment. Information policy, infrastructure, telecommunication, networks. Interlacing and redistribution of science - opening the market. The five chapters of Pt.2 deal with: Theoretical framework of information mediation. The Online Market. Organization forms and information mediation utilities. Electronical added value services of the information market. Redistribution - real and virtual distribution markets. Information market. Possibilities and risks of knowledge treated as a commercial product

09 Standards, Guidelines.

See also 0344.

0337 **09.268**
Codes for the Representation of Languages for Information Interchange. (Orig. en). Oxon Hill, MD: NISO Press Fulfillment 1994, 20p. ANSI/NISO Z.39-53 ISBN: 1-880124-10-6
The newly revised standard has codes added for 28 languages or language groups previously not represented.

0338 **09.79**
ISO/DIS 12616: Translation-oriented terminography. Terminographie axée sur la traduction. (Orig. en, fr). Geneva, CH: Int.Organization for Standardization 1995, 25p.

This draft is being circulated for voting since May 1995. It treats the matter in the following chapters: Normative references. Definitions. Features of translation-oriented terminography. Management of terminological information. Referencing and source identification. General principles for data input and output. General requirements for a terminological database. Exchange of terminological information. Annex A: List of data categories. Annex B: Basic layout forms for recording terminological data. Work of ISO/TC 37/SC2.

1 Theoretical Foundations and General Problems

11 Order and Knowledge Organization (KO)

0339 115
Thomasson, A.: **Die Identität fiktionaler Gegenstände.** (Orig. de). In: *Conceptus* Vol.27 , No.70 1994, p.77-95, 7 refs. The identity of fictional objects

0340 117, 539
Clementini, E.; Di Felice, P.: **Object-oriented modeling of geographic data.** (Orig. en). In: *J.Amer.Soc.Inform.Sci.* Vol.45 , No.9 1994, p.694-704, 26 refs. See also 0394, 0501

12 Conceptology in KO

0341 121
Poli, R.: **The ontological perspective.** (Orig. en). Trento, IT: University. Dept.of Sociology & Soc.Res. 1995, 10p., 12 refs. Paper presented to IJCAI'95. Treats the following topics: Theses on ontology. Levels of reality. The trap of simplicity. The perspective of the whole. Modes of considering the whole. Bilateral dependence relations.

0342 121
Kolodner, J.: **Case-based reasoning.** (Orig. en). San Mateo, CA: Morgan Kaufmann Publ. 1993, ca 670p. ISBN: 1-55860-237-2
Pt.1. Background: What is CBR? Case studies of several case-based reasoners. Reasoning using cases. The cognitive model. Pt.2: The Case Library: Representing and indexing cases. Indexing vocabulary. Methods for index selection. Pt.3: Retrieving cases from the Case Library. Organizational structures and retrieval algorithms. Matching and ranking cases. Indexing and retrieval. Pt.4: Using cases. Adaptation methods and strategies. Controlling adaptation. Using cases for interpretation and evaluation. Pt.5: Pulling it all together. Building a case-based reasoner. Conclusions, opportunities, challenges. Appendix: A case library of case-based reasoning systems. Bibliography. Index.

0343 122, 722
Zawada, B.; Swanepoel, P.: **On the empirical adequacy of terminological concept theories: The case for prototype theory.** (Orig. en). In: *Terminology* Vol.1 , No.2 1994, p.253-275

0344 1232, 09
Ndi-Kimbi, A.: **Guidelines for terminological definitions.** The adherence to and deviation from existing rules In BS/ISO 2382: Data processing and information technology vocabulary. (Orig. en). In: *Terminology* Vol.1 , No.2 1994, p.327-350

0345 1232
Sager, J.C.; L'Homme, M.-C.: **A model for the definition of concepts: Rules for analytical definitions in terminological databases.** (Orig. en). In: *Terminology* Vol.1 , No.2 1994, p.351-373

0346 124
Gopinath, M.A.: **Computer-based knowledge representation and models.** (Orig. en). In: *Libr.Sci.Slant to Doc.* Vol.31 , No.2 1994, p.1-11

0347 124
Shakir, H.S.; Harayama, M.; Ojika, T.: **A bi-level concise modular structured knowledge representation scheme.** (Orig. en). In: *Expert Systems Appl.* Vol.7 , No.4 1994, p.507-522

0348 124
Sechser, O.: **Book review of Way, E.C.: Knowledge representation and meaning.** Oxford, UK: Intellect Books 1994. 267 p.. (Orig. en). In: *Knowl.Org.* Vol.22 , No.1 1995, p.48-49

13 Mathematics in KO.

See also 0393, 0474.

0349 132
Kent, R.E.; Bowman, C.M.: **Digital libraries, conceptual knowledge systems, and the Nebula interface.** (Orig. en). Pittsburgh, PA: Transarc. The Gulf Tower 1994, 13p., 14 refs. Concept analysis provides a principled approach to effective man-

agement of wide area information systems, such as the Nebula File System and Interface. This not only offers evidence to support the assertion that a digital library is a bounded collection of incommensurate information sources in a logical space, but also sheds light on techniques for collaboration through coordinated access to the shared organization of knowledge. (Authors)

0350 132
Neuss, Ch.; Kent, R.E.: **Conceptual analysis of resource meta-information.** (Orig. en). In: *Computer Networks & ISDN Syst.* Vol.27 1995, p.973-984

With the continuously growing amount of Internet accessible information resources, locating relevant information in the World-Wide Web becomes increasingly difficult. Recent developments provide scalable mechanisms for maintaining indexes of network-accessible information. In order to implement sophisticated retrieval engines, a means of automatic analysis and classification of document meta-information has to be found. We propose the use of methods from the mathematical theory of concept analysis to analyze and interactively explore the information space defined by wide-area resource discovery services. (Authors)

14 Systems Theory and KO

See also 0503.

0351 141
Löckenhoff, H.: **Book review of Delgado, R., Banathy, B.H. (Eds.): International Systems Science Handbook.** Madrid: Systemic Publications 1993. 512p.. (Orig. en). In: *Knowl.Org.* Vol.22 , No.1 1995, p.47-48

0352 144
Löckenhoff, H.: **Book review of Rehm, W., Welsch, H., Falx, W. (Eds.): Synergetik. Selbstorganisation als Erfolgsrezept für Unternehmen.** Ehningen: Expert Verlag 1993. 132p.. (Orig. en). In: *Knowl.Org.* Vol.22 , No.1 1995, p.49-50 Synergetics. Self-organization as a recipe for company success

0353 147
Lavine, D.S.; Aparicio IV, M. (Eds.): **Neural networks for knowledge representation and inference.** (Orig. en). Hillsdale, NJ: Lawrence Erlbaum Assoc. Publ. 1994, XV, 503p. ISBN: 0-8058-1159-1

Result of a conference held in Dallas, TX, Oct.1990. The 16 papers deal with very different areas of neural networks research, such as, e.g. computer science, cognitive science, linguistics, logic, neurobiology, and psychology.

16 Science and Knowledge Organization

0354 165
Courtial, J.P.; Cahlik, T.; Callong, M.: **A model for social interaction between cognition and action through a keyword simulation of knowledge growth.** (Orig. en). In: *Scientometrics* Vol.31 , No.2 1994, p.173-192, refs.

17 Problems in KO

0355 171
Dahlberg, I.: **Book review of Union of International Associations (Ed.): Encyclopedia of World Problems and Human Potential.** 4th ed. München: K.G.Saur Verl. 1994. Vol.1: 1258p., Vol.2: 929p.. (Orig. en). In: *Knowl.Org.* Vol.22 , No.1 1995, p.50-51

0356 173, 387
Judge, A.: **Envisaging the art of navigating conceptual complexity: In search of software combining artistic and conceptual insights.** (Orig. en). In: *Knowl.Org.* Vol.22 , No.1 1995, p.2-9, 58 refs.

0357 173
Kuhltau, C.C.: **A principle of uncertainty for information seeking.** (Orig. en). In: *J.Doc.* Vol.49 , No.4 1993, p., 339-355

0358 175
Traiser, W.: **Die Deutsche Bibliothek und die Basisklassifikation.** (Orig. de). In: *Dialog Bibl.* Vol.7, No.2 1995, p.37-44
Report on the present considerations of using the Dutch classification system "Basisklassifikation" for the requests of the German Library. The German Library and the (Dutch) Basis Classification

0359 177, 356
Hammwöhner, R.; Kuhlen, R.: **Semantic control of open hypertext systems by typed objects.** (Orig. en). In: *J. Inform. Sci.* Vol.20, No.3 1994, p.175-184, 22 refs.

0360 177
Wiley, D.L.: **From print to Internet: Can the traditional abstracting and indexing services survive?** (Orig. en). In: *Database* Vol.17, No.6 1994, p.18-24

19 History of KO

0361 192
Schulte-Albert, H.G.: **Classification and thesaurus construction, 1645-1668.** (Orig. en). In: *Library History Review* Vol.3, No.1 1994, p.73-99, 29 refs.

0362 196, 171, 261
Huth, M.: **Symbolic and sub-symbolic knowledge organization in the computational theory of mind.** (Orig. en). In: *Knowl. Org.* Vol.22, No.1 1995, p.10-17, 14 refs.

0363 198-47
Bauer, A.: **Sacherschließung in der Bibliothek der Fachhochschule Eberswalde, insbesondere seit Einsatz des SISIS-Systems.** (Orig. de). In: *Mit. GBDL*, No.50 1994, p.34-
The historical development of subject indexing at the library of the Eberswalde Fachhochschule (founded in 1830) is presented. Classification according to the Forestry Decimal Classification and the UDC has recently been supplemented by descriptors in order to facilitate retrieval with the OPAC library users. (Author) Subject indexing in the Eberswalde Fachhochschule library, esp. since introduction of the SISIS-system

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

21 General Questions of CS & T

0364 21.935
Hong Yi: **Indexing languages, new progress in China.** (Orig. en). In: *Knowl. Org.* Vol.22, No.1 1995, p.30-32, 3 refs.

0365 211
Lara, M.L.G. de: **Some contributions of semiology and semiotics to the analysis of indexing languages.** (Orig. pt). In: *Ciencia da Informacao* Vol.22, No.3 1993, p.223-226, refs.

0366 217
Lecoin, A.: **Le thésaurus au centre du système d'information: mise à jour du langage documentaire du CAPA.** (Orig. fr). Paris: IEP 1994, 108p. *Mém. DESS: Inform. et Document.* The thesaurus in the center of the information system: generation of a documentary language for CAPA. 2 vols

22 Structure and Elements of CS & T

See also 0424 (226).

0367 223
You, G.-N.; Rada, R.: **A systematic approach to outline manipulation.** (Orig. en). In: *Human-Computer Studies* Vol.41, No.3 1994, p.283-308, refs.
Outlines (tables of contents) reflect a conceptual model and can

serve as a cognitive aid in reading and writing hypertext.

0368 224
Takeda, N.: **Problems in hierarchical structures of thesauri. Their influences on the results of information retrieval.** (Orig. ja). In: *Online Kensaku* Vol.15, No.4 1994, p.183-186

24 Relationships

0369 244
Fukuda, M.; Kageura, K.: **Research into See also references in the dictionary of terminology: using semantic relations between entries.** (Orig. ja). In: *Library & Inform. Sci. (Japan)*, No.31 1993, p.1-23, refs.

0370 246, 756, 985
Jones, S.: **Interactive thesaurus navigation: intelligence rules OK?** (Orig. en). In: *J. Amer. Soc. Inform. Sci.* Vol.46, No.1 1995, p.52-9, refs.

25 Numerical Taxonomy.

See also 0630.

0371 251
Day, W.H.E.; McMorris, F.R.: **On the consistency of the plurality rule consensus function for molecular sequences.** (Orig. en). In: *J. Classif.* Vol.11, No.2 1994, p.233-249, refs.

0372 251
Kranowski, W.J.: **Ordination in the presence of group structure, for general multivariate data.** (Orig. en). In: *J. Classif.* Vol.11, No.2 1994, p.195-207, refs.

0373 253
Chaturvedi, A.; Carroll, J.D.: **An alternating combinatorial optimization approach to fitting the INDCLUS and generalized INDCLUS models.** (Orig. en). In: *J. Classif.* Vol.11, No.2 1994, p.155-170

0374 254
Sankoff, D.; Abel, Y.; Hein, J.: **A tree, a window, a hill: generalization of nearest neighbour interchange in phylogenetic optimization.** (Orig. en). In: *J. Classif.* Vol.11, No.2 1994, p.209-32, refs.

0375 254
Gaul, W.; Schader, M.: **Pyramidal classification based on incomplete dissimilarity data.** (Orig. en). In: *J. Classif.* Vol.11, No.2 1994, p.171-93, refs.

0376 258-26
Altias, R.; Petitjean, M.: **Statistical analysis of atom topological neighbourhoods and multivariate representation of a large chemical file.** (Orig. en). In: *J. Chem. Inform. & Comput. Sci.* Vol.33, No.5 1993, p.649-56, refs.

0377 258.932
Dou, H.; Hassanaly, P.; Huot, C.; Coupet, P.: **Advanced services through INTERNET network.** (Orig. en). In: *Cahiers de la Documentation*, No.4 1994, p.159-165
Proposal to use statistical classification procedures on downloaded data from the Internet in order to open the way to new information packages.

27 Revision and Maintenance of CS & T

See also 0438.

0378 276
Lubkov, M.: **Mots-clés, thésaurus et logiciels.** (Orig. fr). In: *Archimag*, No.75 1994, p.44-47 Keywords, thesaurus and software

28 Compatibility and Concordances between Indexing Languages.

See also 0237, 0408.

0379 286, 288-51/4
Humphreys, B.L.: **The 1994 Unified Medical Language System Knowledge Sources.** (Orig. en). In: Health Libraries Review Vol.11, No.3 1994, p.200-203, refs.

0380 288-58
Merilainen, O.: **TERVAS: a project about the problems of equivalence in bilingual thesauri.** (Orig. fi). In: Signum Vol.27, No.8 1994, p.230-4, refs.

29 Evaluation of CS & T

0381 298-92, 398-92
Beghtol, C.: **Domain analysis, literary warrant, and consensus: the case of fiction studies.** (Orig. en). In: J.Amer.Soc.Inform.Sci. Vol.46, No.1 1995, p.30-44, refs.
Reports research that descriptor subfields used in MLA Bibliography online to quantify literary warrant in the domain of scholarly work about fiction (i.e. about fiction studies). Uses Hulme's concept of literary warrant and Kernan's description of the interactive processes of literature and literary scholarship to justify quantifying existing subject indexing in existing bibliographic records as a 1st step in the domain analysis of a field. Certain of the MLA Bibliography online's descriptor subfields and certain of the descriptor terms within those subfields occurred more often than would occur by chance. The techniques used in the research might be extended to domain analysis of other fields. (Author, abbr.)

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

31 Theory of Classing and Indexing.

See also 0325, 0401, 0667.

0382 31.07
Riesthuis, G.J.A.: **Book review of Fugmann, R.: Subject analysis and indexing: Theoretical foundation and practical advice.** Frankfurt: INDEKS Verlag 1993. 250p.. (Orig. en). In: Open Vol.27, No.5 1995, p.168-169

0383 31.07
Milstead, J.: **Book review of same title as under 0382.** (Orig. en). In: Libr. & Inform.Sci.Research Vol.16, No.3 1994, p.259-261, refs.

0384 311
Ciganik, M.: **Intelligent indexing and intelligent classifying.** (Orig. sk). In: Knizn.a Inform. Vol.26, No.12 1994, p.497-503

0385 311
Milstead, J.: **Needs for research in indexing: Perspectives on... indexing.** (Orig. en). In: J.Amer.Soc.Inform.Sci. Vol.45, No.8 1994, p.577-582, 21 refs.

32 Subject Analysis

0387 323
Krumeich, C.: **Indexation sémantique non lexicale.** (Orig. fr). In: Rev.Francaise de Bibliométrie, No.12 1993, p.295-298, 12 refs.Semantic, non-lexical indexing

33 Classing and Indexing Techniques

0388 33.07
Bonura, L.S.: **The art of indexing.** (Orig. en). New York, NY: Wiley 1994, XXII,233p. ISBN: 0-471-01449-4

0389 33.07
Fetters, L.K.: **Handbook of indexing techniques: A guide for beginning indexers.** (Orig. en). Port Aransas, TX: Amer.Soc.Indexers 1994, VII,72p. ISBN: 0-929599-02-0
A book review of this title as well as the aforementioned one (0388)

was published by M.Piggott in Indexer 19(1995)No.3, p.231.

34 Automatic Classing and Indexing.

See also 0485, 0489 (347).

0390 3432
Seewald, U.: **Semantische Analyse morphologisch komplexer Wörter: Ein dreistufiges Verfahren zur maschinellen Inhaltserhellung von Wortableitungen und Komposita.** (Orig. de). In: Sprache und DV Vol.18, No.1 1994, p.33-51, 19 refs.Semantic analysis of morphologically complex words: A three-step procedure for automatic subject analysis of word derivations and compound words

0391 3432
Sorin, A.: **Thésaurus et traitement sémantique en recherche d'information: le cas de l'accès en langage naturel à la base de nomenclatures de l'INSEE.** (Orig. fr). Paris: IEP 1993, 109p. Mém.DESS: Inform.et Doc.
The new model used is one of structured automatic indexing which relies on semantic links (roles) between descriptors, introduced by an intermediary.Thesaurus and semantic treatment in information retrieval: the case of natural language access on the basis of the nomenclatures of INSEE

38 Index Generation and Programs.

For 387 Programs, see also 0356, 0533, 0534, 0626, 0648, 0684.

0392 386
Ellis, G.: Levinson, R.A., Robinson, P.J.: **Managing complex objects In Peirce.** (Orig. en). In: Int.J.Human-Computer Studies Vol.41 1994, p.109-148, 69 refs.

The Peirce project (named after Charles Sanders Peirce) is an international collaborative project aiming to construct a freely available conceptual graphs workbench to support research in the conceptual graphs community in areas such as natural language processing, enterprise modelling, program specification and verification, management information systems, conceptual information retrieval, medical informatics, and construction of ontologies. Peirce advances the state of the art in conceptual graph implementations and in general complex object classification. (Authors, abbr.)

0393 386, 132
Kollewe, W.: Sander, Ch., Schmiede, R., Wille, R.: **TOSCANA als Instrument der bibliothekarischen Sacherschließung.** (Orig. de). Darmstadt: Arb.Gr.Begriffsanalyse, THD, Math.Insl. 1995, 17p. Preprint 1716
TOSCANA is a computer program for the establishment of conceptual search systems on the basis of formal concept analysis. The research project "Application of a model of conceptual knowledge systems in the area of the literature on interdisciplinary technology research" is explained. Applications of TOSCANA are shown using examples of the research project.

0394 387.117
Yelland, P.M.: **Object-oriented knowledge representation: Object-oriented technology.** (Orig. en). In: BT Technol.J. Vol.11, No.3 1993, p.41-51, 32 refs.
Description of a system which results from augmenting an object oriented programming language with term classification facilities like those found in the knowledge representation language KL-One and its successors. (Author, abbr.)

0396 388-76
Wandell Graphics in cooperation with NTIS: **Computerized SIC Index.** (SIC = Standard Industrial Classification). (Orig. en). Springfield, VA: NTIS 1993? PB91-507947ADR
The computerized SIC Index makes rapid electronic searching and retrieval of SIC codes convenient and simple. For any business it can be easily and quickly searched using any words or numbers, separately or in combination. It can also be searched using more complex Boolean searches, wildcard searches, or proximity searches. The index will be updated with each new release of the SIC Manual.

0397 388-945, 819
Giral, A.: Taylor, A.G.: **Indexing overlap and consistency between the Avery Index to architectural periodicals and the Architectural Periodicals Index.** (Orig. en). In: *Libr.Resources & Techn.Serv.* Vol.37 , No.1 1993, p.19-43, 11 refs.

39 Evaluation of Classing and Indexing.

See also 0381, 0510.

0399 391
Fugmann, R.: **Galileo and the Inverse precision-recall relationship. Medieval attitudes in modern Information science.** (Orig. en). In: *Knowl.Org.* Vol.21 , No.3 1994, p.153-154, 5 refs.

0401 391
Soergel, D.: **Indexing and retrieval performance: the logical evidence.** (Orig. en). In: *J.Amer.Soc.Inform.Sci.* Vol.45, No.8 1994, p.589-99, refs.

Presents the findings of an analysis of indexing characteristics and their effects on retrieval performance which establish the ability to ask the questions one needs to ask as the foundation of performance evaluation, and recall and discrimination as the basic quantitative performance measures for binary non-interactive retrieval systems. Defines the characteristics that affect retrieval - namely indexing devices, viewpoint based and importance based indexing, exhaustivity, specificity, correctness, and consistency, and examines in detail their effects on retrieval. (Author, abbr.)

0403 392
Iivonen, M.: **Consistency in the selection of search concepts and search terms.** (Orig. en). In: *Inform.Process.& Management* Vol.31 , No.2 1995, p.173-190, 30 refs.

0404 392
Levitin, A.; Redman, Th.: **Quality dimensions of a conceptual view.** (Orig. en). In: *Inform.Process.& Management* Vol.31 , No.1 1995, p.81-88, 22 refs.

Presentation and discussion of a list of characteristics (dimensions) that are crucial for data model quality. 14 quality dimensions were singled out and organized into six categories: content, scope, level of detail, composition, consistency, and reaction to change. Two types of correlation among dimensions called "reinforcements" and "tradeoffs" were recognized and discussed as well. (Authors, abbr.)

4 On Universal Classification Systems and Thesauri

41 On Universal Systems in General

0405 41.08
Canonne, A.: **Vocabulaire élémentaire des classifications.** (Orig. fr). Liège, BE: Ed. du CEFAL 1993, 112p. ISBN: 2-87130-029-1
After his death, the students of A.Canonne collected his notes on classification systems and published them under the above title. Some 100 notes on the main classification systems are presented here.

0406 411
Grishin, A.V.; Ushakova, A.M.: **Suggestions on library classification.** (Orig. ru). In: *Nauch.techn.bibl.* , No.5 1994, p.3-22, 30 refs.
A new concept of library systematization is considered taking into account collection structure, certain scope of readers, service organization, readers, departmental position of libraries and their role in the national library system.

42 On the Universal Decimal Classification

0407 42.213
Agenjo, X.; Benedito, P.; Del Castillo, D.; Jaudenes, M.: **La automatización de la CDU y los sistemas de gestión de bases de datos: el análisis de la estructura de la Información.** (Orig. es). In: *Cienc.Inform., Cuba* Vol.24 , No.4 1993, p.191-200, 8 refs.

Description of the database ARIADNA of the national library of Madrid which uses the UDC.

0408 42.28
Dzhigo, A.A.: **Application of UDC in the National Bibliography of Russia.** The transfer of the Russian Book Chamber to UDC is highlighted. (Orig. ru). In: *Nauchn.tekhn.bibl.* , No.4 1994, p.32-37

0409 42.934
Horvath, Z.: **Concerning the protection of the UDC: Possibilities of development and cooperation.** (Orig. hu). In: *Könyvt.Figyelô* Vol.39 , No.3 1993, p.373-382

Most of the Hungarian libraries will still use the UDC in future years. It is expected that a central agency will take care of its further development. A new Hungarian edition is required. An application has been forwarded to the Executive Board of the Hungarian Library Association.

43 On the Dewey Decimal Classification.

See also 0237.

0410 43.07
Davis, S.W.: **DDC 20 Workbook.** A practical introduction to the Dewey Decimal Classification, revised North American Edition. (Orig. en). Albany, NY: OCLC Forest Press 1992, 58p.

The Workbook tells the history and development of the DDC, the theoretical features of the scheme, explains the arrangement of the 4 volumes (of almost 4000 pages), and shows how to classify with DDC 20 using the schedules and the relative index as well as the auxiliary tables. It introduces into number building in DDC 20, into citation and precedence order and gives practical exercises with their answers at some later point.

0411 43.07
Davis, S.W.: **Classification Workbook for Small Libraries using Abridged Dewey Decimal Classification (Ed.12).** (Orig. en). Albany, NY: OCLC Forest Press 1993, 58p.

In 14 chapters the volume introduces into the DDC and its Abridged Edition, the notation and relative index, citation and precedence order, the method of classifying, number building for different combination and addition purposes and answers the questions to the Exercises given in the chapters.

0412 43.179
Paulson, P.J.: **Dewey Decimal Classification - past, present and future: an interview with Peter J. Paulson.** (Orig. en). In: *Libr. Times International* Vol.10 , No.4 1994, p.49-50

0413 43.184
Dewey Decimal Classification Research. (Orig. en). In: *Knowl.Org.* Vol.21 , No.4 1994, p.234

Wording of 4 goals which OCLC Forest Press had formulated as a draft research programme for anybody interested in investigation and elaboration, concerning e.g. catalogue productivity with Electronic Dewey, improvement of the DDC index, use of DDC for subject retrieval, use of DDC as a general organizing device in the electronic environment.

0414 43.4.07
Batty, D.: **An introduction to the twentieth edition of the Dewey Decimal Classification.** (Orig. en). London: Library Assoc. 1992, XVI, 139p. ISBN: 0-85157-463-7

0416 43.818
Bryant, B.: **Numbers you can count on: Dewey Decimal Classification maintained at LC.** (Orig. en). In: *Liibr.Congr.Inform.Bull.* Vol.52 , No.18 1993, p.373-375

0416a 44
On the Library of Congress Classification and on the LCSH. See also 0237.

- 0417 44.213
Guenther, R.S.: **The Library of Congress Classification In the USMARC Format.** (Orig. en). In: *Knowl.Org.* Vol.21 , No.4 1994, p.199-202, 9 refs.
- 0420 44.6-66
Goldberg, J.: **LC Class K for Law.** (Orig. en). In: In: Danner, R.A. Bernal, M.-L. (Eds.) *Introduction to Foreign Legal Systems* New York/London/Rome: Oceana Publ. 1994, p.347-356
- 0421 44.6-967
Bello, A.: **The problems of adapting LC class GN to African ethnography.** (Orig. en). In: *Library Focus* , No.6&7 1988/89, p.84-110, refs.
- 0422 448.173
Studweij, W.E.: **A tale of two decades, or, the decline of the fortunes of LC subject headings.** (Orig. en). In: *Western Ass.Map Libr.Inf.Bull.* Vol.25 , No.2 1994, p.73-4
- 0423 448.1713
Nuckolls, K.A.: **Subject access to diversity materials: the Library of Congress subject headings shortfall.** (Orig. en). In: *Reference Librarian* , No.45/46 1994, p.241-51, refs.
- 0424 448.226
Conway, M.O'H.: **Characteristics of subject headings in the Library of Congress BOOKSM Database.** (Orig. en). In: *Libr.Resources & Techn.Serv.* Vol.37 , No.1 1993, p.47-57, 15 refs.
- 0427 448.6-519
Berman, S.: **Prejudices and antipathies.** (Orig. en). Jefferson, NC: McFarland 1993, XVII, 211p. ISBN: 0-89950-828-6
- 0428 448.987
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.Lib.* Vol.11 , No.4/5 1993, p.311-317
Report on the adoption of LCSH via CDROM in the University Library of Botswana.
- ## 48 On Other Universal CS and T
- 0430 481
Müller-Dreier, A.: **Einhelmsklassifikation. Die Geschichte einer fortwirkenden Idee.** (Orig. de). Wiesbaden: Harrassowitz 1994, 225p., 227 refs. Beitr.z.Buch- u.Bibl.wes. 35 ISBN: 3-447-03587-0
This thesis work at the School of Library and Information Science, Polytechnique of Cologne, given an extensive account of the efforts towards establishment of a common classification scheme in Germany in the seventies of this century.
- 0431 481.918
Sweeney, R.: **Standard book subject categories for EDI.** (Orig. en). In: *Brit.Natl.Bibliogr.Res.Fund* , No.Rpt67 1994, 67p.
Existing systems of subject categories presently in use were investigated and recommendations are made concerning a standard set of book subject categories for electronic data interchange.
- 0432 483
Gascon, P.: **Le répertoire de vedettes-matière de la Bibliothèque de l'Université Laval: sa genèse et son évolution. II.** (Orig. fr). In: *Doc.Bibl.*, Canada Vol.40 , No.1 1994, p.25-32, refs.
- 0436 485
Studwell, W.E.: Hong Wu, Rui Wang: **Ideological influences on book classification. Schemes In the People's Republic of China.** (Orig. en). In: *Cat.& Classif. Quart.* Vol.18 , No.1 1994, p.61-74, 18 refs.
Four major classification schemes used in PR China are briefly discussed to show how ideology considerations have influenced their structure and contents. Recommendations are made for a possible future revision.
- 0437 485
Hoscislawski, Th.: **Die Klassifikation für Allgemeinbibliotheken und Gewerkschaftsbibliotheken der DDR.** (Orig. de). Köln, DE: FHS f.Bibliotheks- u.Dok.wesen 1993 Hausarbeit
- 0438 485
Niemeyer, St.: **Arbeitskreis Systematik unterstützt bundesweite ASB-Überarbeitung.** (Orig. de). In: *Neue Büch.* Vol.4 1993, p.385-386
- 0439 485
Wende, F.: **Sachgruppen der Deutschen Nationalbibliographie. Zweite Auflage des Leitfadens zu ihrer Vergabe.** (Orig. de). In: *Dialog Bibl.* Vol.6 , No.2 1994, p.24-26
Short introduction into these guidelines. (See also 0014)
- 0440 485
Jong, J.de: **Will SISO reach the year 2000?: Discussion panel charged with devising solutions for SISO.** (Orig. nl). In: *Bibliothek en Samenleving* Vol.22 , No.6 1994, p.10-11
The Dutch Centre for Libraries and Literature has set up a Committee to examine the future of SISO, having been criticized by small libraries for its user hostility and by staff in larger libraries as lacking detailed subject divisions.
- 0441 485
Lever, A.J.: **BC - a many-sided tool: User possibilities for the Netherlands.** (Orig. nl). In: *Open* Vol.26 , No.5 1994, p.165-8, refs.
The Basic Classification developed in the Netherlands with its 48 main subject groupings had been intended to facilitate cooperative acquisition and indexing schemes. It is recommended that the Dutch librarians adopt the scheme in order to fulfil its purpose.
- 0442 485
Ishiyama, H.: **Outline of the Nippon Decimal Classification, 9th ed., Study Committee.** (Orig. ja). In: *Toshokan Zasshi (Libr.J.)* Vol.86 , No.11 1992, p.809-810
Description of the development of the rev.9th ed.
- 0443 485
Senga, M.: **Outline of the draft 9th edition of the Nippon Decimal Classification: (10): Industry Section.** (Orig. ja). In: *Toshokan Zasshi (Libr.J.)* Vol.87 , No.2 1993, p.112-115
- 0444 485
Yeshida, S.: **Investigation of Nippon Decimal Classification, proposed 9th edition.** (Orig. ja). In: *Toshokan-Kai (Libr.World)* Vol.45 , No.4 1993, p.372-377, refs.
- 0445 485.172
Klein, R.D.: **The problem of cataloging world literature using the Nippon Decimal Classification system.** (Orig. ja). In: *Toshokan-Kai (Libr.World)* Vol.46 , No.1 1994, p.24-31
The NDC was devised in 1929. It is extensively used in Japanese libraries. A survey of 29 libraries (out of 40 addressed) showed inconsistencies in the application of
- 0395 388-26
Galvez, J. et al.: **Charge indexes: new topological descriptors.** (Orig. en). In: *J.Chem.Inform.& Comput.Science* Vol.34 , No.3 1994, p.520-525, refs.
- 0398 391
Al-Kharashi, I.A.: **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. 548-560, 31 refs.
- 0400 391
Rowley, J.: **The controlled versus natural indexing languages debate revisited: a perspective on information retrieval practice and research.** (Orig. en). In: *J.Inform.Sci.* Vol.20 , No.2 1994, p.108-119, 45 refs.

0402 392,356
Ellis, D.: Furner-Hines, J., Willett, P.: **Measuring the consistency of assignment of hypertext links in full-text documents.** (Orig. en). In: Leon, R. (Ed.) In: *Information Retrieval. New systems and current research.* Proc.15th Res.Coll. Brit.Comput.Soc., Glasgow 1993. London-Los Angeles: Taylor Graham Publ. 1994, p.67-80, refs.

0415 43.4
Crocetti, L.: **Ventesima Italiana.** (Orig. it). In: *Boll.AIB* Vol.33, No.1 1993, p.11-20 Italian edition of DDC20

0418 44.6-967
Ndakotsu, T.M.: **A proposed Library of Congress-based classification schedule for African literature.** (Orig. en). In: *Library Focus* Vol.8, No.1& 2 1990, p.80-100, refs.

0419 44.-967
Ogboniyomi, A.L.: **The treatment of African documents by the Library of Congress classification scheme.** (Orig. en). In: *Afr.J.of Libr.,Arch.& Inf.Sci.* Vol.4, No.2 1994, p.117-125, refs.

0425 448.173
Studwell, W.E.: **Who killed the subject code?.** (Orig. en). In: *Techn.Serv.Quart.* Vol.12, No.1 1994, p.35-41, refs.

0426 448.226, 982
Coliantes, L.Y.: **Degree of agreement in naming objects and concepts for information retrieval.** (Orig. en). In: *J.Amer.Soc.Inform.Sci.* Vol.46, No.2 1995, p.116-132, refs.

0429 448.6-967, 756
Clack, D.H.: **Subject access to African American studies resources in online catalogs: Issues and answers.** (Orig. en). In: *Cat.& Classif.Quart.* Vol.19, No.2 1994, p.49-

0434 485
Glowacka, T.: **Subject headings language for academic library online catalogs.** (Orig. pl). In: *Przeglad Biblioteczny* Vol.62, No.1/2 1994, p.55-63

0435 485
Sihota, T.: Kita, K.: **Critical essays on Nippon Decimal Classification, proposed 9th edition 6: auxiliary table.** (Orig. ja). In: *Toshokan-Kai (Libr.World)* Vol.46, No.6 1995, p.246-252, refs.

0446 485
Senga, M.: **An introduction to book classification 21: Classification of the National Diet Library 3.** (Orig. ja). In: *Biblos (Japan)* Vol.45, No.2 1994, p.20-24

0447 487
Dickens, D.T.: **The ECLA Classification System.** (Orig. en). In: *World Patent Inform.* Vol.16, No.1 1994, p.28-32

0448 487
Rozov, B.: Timofeeva, N.: **About patent classification.** (Orig. en). In: *World Patent Inform.* Vol.15, No.4 1993, p.217-219 See also 0217

0449 489.814
Heiner-Freiling, M.: Kelm, B.: **Von Friedenserziehung und Sauriern: Erschließung von Kinder- und Jugendliteratur mit den Regeln für den Schlagwortkatalog (RSWK).** und mit der Schlagwortnormdatei. (Orig. de). In: In: *Haldenwanger, M. Tradition und Wandel: Marion Beaujean zu ihrer Verabschiedung ... am 31.1.1994* Hannover, Germany: Stadtbüchereien 1994, p.77-86 About peace education and dinosaurs: Subject analysis of children and youth literature with the rules of the RSWK and with the authority file SWD

5 On Special Objects CS (Taxonomies)

0450 575
Javor, T.E.: **Damage classification of concrete structures.** (Orig. en). In: *Materials & Struct.Res.& Test.* Vol.27, No.170 1994, p.362-369 Recommendation Project RILEM.

6 On Special Subject CS & T

62 On CS & T in Area 2

0451 629.796
Timotin, A.: **Multilingualism and thesaurus of concepts.** (Orig. en, ro). In: *Probl.de Inform. si Doc.* Vol.28, No.1 1994, p.13-22 Deals in particular with the Thesaurus of the International Electrotechnical Commission and the work of the IEC Thesaurus Working Group, consisting of specialists of the Research Institute In Electrical Engineering and the University Politehnica of Bukarest.

63 On CS & T in the Geo Area 3

0452 639
Kortman, C.: **The multilingual thesaurus of Geosciences: A working tool for indexing and retrieval of geological bibliographic information.** (Orig. en). In: *Colloquium of African Geology.* 16. 0/1993-09-14, Mbabane, SWZ Mbabane: Geol.Survey Mines 1993, p.9

64 On CS & T in the Bio Area 4

0453 646
Raupp, J.: **Konzeption eines Standard-Thesaurus für Ökologischen Landbau.** (Orig. de). In: *Nachr.Dok.* Vol.45, No.6 1994, p.343-348 Design of a standard thesaurus for ecological agriculture (organic farming)

65 On CS & T in the Human Area 5.

See also 0648.

0454 651/4,756, 88-51/4
Bronson, R.J.: **Creative ways to locate MeSH subheading information.** (Orig. en). In: *Medical Reference Serv.Quart.* Vol.13, No.1 1994, p.73-80

0455 656
Smith, I.A.: O'Brien, A.: **Signposts to information: keywords, indexes, and thesauri.** (Orig. en). In: *Education Libraries J.* Vol.36, No.3 1993, p.7-27, refs.

66 On CS & T in the Socio Area 6

0456 6623
Ingwersen, P.: **System development in an in-house environment: the parliamentary keyword system as a case study.** (Orig. da). In: *Biblioteksarbejde*, No.41 1994, p.5-23

0457 662/3
Anyanwu, V.: **Toward a national classification scheme for Nigerian official publications.** (Orig. en). In: *J.Gov.Inf. (USA)* Vol.21, No.2 1994, p.129-138, refs.

0458 666
Boman, D.D.: **Thesaurus construction for law literature.** (Orig. en). In: *Library Focus* Vol.9, No.1 & 2 1991, p.12-22, refs.

67 On CS & T in the Economics Area 7

0459 672
Abell, A.: **Business services thesaurus for Business Link.** (Orig. en). In: *Inform.Management Report*, No.June 1994, p.16-19

68 On CS & T in the Information Area 8

0460 682
Milstead, J.L.: Borko, H.: **Shoes for the Cobbler's Children: The ASIS Thesaurus.** (Orig. en). In: Bull.Amer.Soc.Inform.Sci. Vol.21, No.1 1994, p.22-24

0461 682 LISA
Scope Notes for LISA subject headings. (Orig. en). In: Online Review Vol.16, No.1 1992, p.3-16, rels.

0462 6822,872
Hennequin, M.-P.: **Images et langage documentaire: un lexique pour la recherche d'images numérisées sur l'aménagement et l'urbanisme en Ile-de-France.** (Orig. fr). Paris: IEP 1993, 100p. Mém.DESS: Inform. et Doc.Pictures and documentary languages: A lexicon for the retrieval of numbered pictures on the planning and urbanism of the lie de France

0463 6872
Gallout, P.; Neau-Couturier, A.: **Langage documentaire: création d'un outil linguistique d'indexation pour un fonds photographique Microfiche.** (Orig. fr). Paris: Inst.Natl.des Techn. de la Documentation 1992, 113p., 49 refs.Documentary language: development of a linguistic indexing tool for a photographic library

0464 6872, 6847
Bourdelle, V.Le: **Indexation et thésaurus de l'image fixe et animée.** (Orig. fr). Paris: IEP 1993, 92p. Mém.DESS: Inform. et Doc.Indexing and thesaurus of pictures and movies

0465 6877
Dauzats, M. (Ed.): **Le thésaurus de l'image: étude des langages documentaires pour l'audiovisuel.** (Orig. fr). Paris: ADBS Editions 1994, 94p. ISBN: 2-901046-78-9
From some 14 thesauri existing, a Working Group established a synthesis. It is considered a very necessary tool.The thesaurus of pictures: Study of documentary languages for the audiovisual

69 On CS & T in the Culture Area 9

0466 692
Bies, W.: **Book review of Beghtol, C.: The classification of fiction. The development of a system based on theoretical principles.** Metuchen, NJ - London: The Scarecrow Press 1994. X,366p.. (Orig. en). In: Knowl.Org. Vol.21, No.3 1994, p.165-167

0467 692, 758-92
Pejtersen, A.M.: **Cognitive Engineering in information retrieval domains - merging paradigms?.**(Orig.en). In: Bibliothek Vol.19, No.1 1995, p.64-77, 21 rels.
After some introductory discussions about the possibility to design intelligent information services through introducing cognitive engineering into the library in information domain, the Book House is presented and analyzed according to the requirements outlined in the introductory chapters. The BookHouse is now available as two shareware programs. One is for the retrieval and indexing of fiction for children and adults in public libraries with a database content of 3500 books... The second is for school libraries and covers the retrieval and indexing of both fiction and fact literature. It was released in the summer of 1993 by Apple on a CD ROM and by Risoe on discs and is to be distributed to Scandinavia school libraries.

0468 694
Friman, M.; Jansson, P.; Suominen, V.: **Chaos or order? Aby Warburg's library of Cultural History and its classification.** (Orig. en). In: Knowl.Org. Vol.22, No.1 1995, p.23-29, 30 refs.

7 Knowledge Representation by Language and Terminology

71 General Problems of Language in Relation to KO.

0469 711
Eco, Umberto: **Die Suche nach der vollkommenen Sprache.** (Orig. de). München: Beck 1994, 388p. ISBN: 3-406-37888-9
Translation from Italian into German by Burkhart Kroeber. A book review has been published in Muttersprache 105(1995)No.2, p.185-189 by Helmut Bernsmeier.The search for the perfect language

0470 715
Neumaier, O.: **Was hat 'Künstliche Intelligenz' mit Ethik zu tun?.** (Orig. de). In: Conceptus Vol.27, No.70 1994, p.41-76, 48 refs.
The relevance of ethical considerations for AI is discussed in two respects: on the one hand with regard to the consequences one has to coe with when dealing with computer systems that are considered 'intelligent' and, on the other had with questions of responsibility which arises when such systems are used.In what sense has Artificial Intelligence to deal with Ethics?

0471 713,721
Rosner, M.; Johnson, R. (Eds.): **Computational linguistics and formal semantics.** (Orig. en). Cambridge, UK: Cambridge Univ.Press 1992, XIX,321p. ISBN: 0-521-41959-X
Collection of papers of a workshop, chaired by the editors, held in Lugano at IDSIA, an institute of the Della Molle Foundation, probably in Sept.1988. Book review by John Nerbonne in Computational Linguistics 20(1994)No.1, p.131-136, 9 refs.

72 Semantics.

See also 0471, 0343.

0472 721
Dietze, J.: **Texterschließung: Lexikalische Semantik und Wissensrepräsentation.** (Orig. de). München: K.G.Saur Verlag 1994, 102p. ISBN: 3-598-11179-7
Three parts: Semantics and language system. Lexical semantics. Knowledge representation and lexical semantics. The latter chapter starts with 'classification as foundation for knowledge representation' and continues with methods of knowledge representation, such as formal language, graphical representation, formal logic, semantic nets, production systems, frames, scripts, scenes, thesauri and semantical difference. Book review by H.-J.Manecke in Nachr. Dok. 45(1994)p.181-183 Text analysis: Lexical semantics and knowledge representation

0473 723, 348, 73
Ruge, G.: **Sprache und Computer. Wortbedeutung und Termassoziation. Methoden zur automatischen semantischen Klassifikation.** (Orig. de). Hildesheim etc.: Georg Olms Verlag 1995, 244p. Sprache u.Computer, Bd.14 ISBN: 3-487-09964-0
This dissertation is in 7 chapters: 1. Motivation. 2. Language philosophical foundations. 3. Structural comparison of extensions. 4. Earlier approaches towards term association. 5. Experiments. 6. Spreading-activation networks or memory models. 7. Perspective. Appendices: Heads and modifiers of 'car'. Glossary. Index. Language and computer. Word semantics and term association. Methods towards an automatic semantic classification

0474 722,132
Wei-Yi Liu: **The fuzzy functional dependency on the basis of the semantic distance.** (Orig. en). In: Fuzzy Sets Systems Vol.59, No.2 1993, p.173-179, 14 refs.

It is shown that the inference rules for fuzzy functional dependencies are sound and complete. Discussion of the applications of fuzzy functional dependencies to duplicate tuples and the fuzzy classification.

0475 726
Ciganik, M.: **A useful kernel representation of a text.** (Orig.sk). In: Kniznice a informacie Vol.24, No.10 1992, p.417-424, 5 refs.

0476 726
Weise, G.: **Stages in the comprehension of scientific texts.** (Orig. en). In: Fachsprache Vol.16, No.3-4 1994, p.98-105, 18 refs.

0477 728-26
Sumfleth, E.: Schüttler, S.: **Chemische Inhalte und verständliche Texte - ein Widerspruch in sich?**. (Orig. de). In: Fachsprache Vol.16 , No.3-4 1994, p.141-158, 16 refs.Chemical contents and comprehensive texts - a contradiction in itself?

0478 728-71/2
Schneider, F.: **Semantische Vernetzung als konstitutives Prinzip der Makrostruktur eines aktiven Kontextfachwörterbuchs (Wirtschaftsfachsprache)**. (Orig. de). In: Fachsprache Vol.16 , No.3-4 1994, p.116-129, 36 refs.Semantic networking as a constituting principle of the macrostructure of an active context dictionary (special language of economics)

73 Automatic Language Processing.

See also 0250, 0473.

0479 733
Bechet, F.: Meloni, H.: **Système de traitement de connaissances phonétiques et lexicales: Application à la reconnaissance de mots isolés sur de grands vocabulaires. et à la recherche de mots cibles dans un discours continu**. (Orig. fr). Avignon: Université. Doctoral thesis 1994, 138p.The treatment of phonetic and lexical knowledge: Application to isolated word recognition in large vocabularies and key word spotting in cont.speech

0480 733
Laroui, A.: Sabah, G.: **Le composant lexical médiateur entre le composant conceptuel et le composant linguistique dans le cadre de la génération multilingue**. (Orig. fr). Paris: Université. Doctoral Thesis 1993, 145 p., 32 refs.Lexical component, link between conceptual component and linguistic component

0481 733
Roiland, M.Th.: **Sprachverarbeitung durch Logotechnik. Sprachtheorie - Methodik - Anwendungen**. (Orig. de). Bonn, Germany: Dümmler 1994, XV,597p. Dümmlerbuch 8374 ISBN: 3-427-83741-6
This very comprehensive work presents a new approach to the understanding of language and its computerization for different purposes. Book review by E.Lutterbeck in Nachr. Dok.46 (1995) No.2.See also the next entry.Language processing by Logotechnology. Language theory, methodology, applications

0482 733
Rolland, M.T.: **Logotechnik als Grundlage einer vollautomatischen Sprachverarbeitung**. Logotechnology - a basis for a fully automatic natural language processing. (Orig. de). In: Nachr.Dok. Vol.46 , No.3 1995, p.171-176, 5 refs.
The new methodology is based solely on semantics. It reveals the structure of language and, as a consequence, processes natural language in a completely automated way. By 'semantics' the cognitive aspect of language is meant which implies syntactic structures. Focus is put on the word, the contents of the word, and the language structures implied by the word. As an application a query system is described based on these language structures. Further applications are discussed, especially also machine translation.

0483 734
Daelemans, W.: De Smedt, K.: **Default inheritance in an object-oriented representation of linguistic categories**. (Orig. en). In: Int.J.Human-Computer Studies Vol.41 1994, p.149-177, 38 refs.

75 Online Retrieval Systems and Technologies.

See also 0329, 0493.

0484 751
Thomazeau, J.: **Une interface multimodale pour l'interrogation d'une base d'objets complexes et documentaires**. (Orig. fr). Toulouse, FR: Univ. Toulouse 3, Sci. inform. 1993 Doctoral thesis A multimodal interface to access a database of complex, documentary objects

0485 752
Geißelmann, F. (Ed.): **Sacherschließung in Online-Katalogen**. (Orig. de). Berlin, DE: Deutsches Bibliotheksinstitut 1994, 110p. DBI-Materialien 132 ISBN: 3-87068-932-3 Subject analysis in online catalogues

0486 752
Kreslins, K.: O'Brien, A., Smith, I.A.: **Online public access catalogues in Latvia: strategies for subject access**. (Orig. en). In: Int.Inform.Libr.Rev. Vol.26 , No.1 1994, p.31-50, refs.

0487 752
Watanabe, T.: **An experimental OPAC system using NDC8 to improve subject access**. (Orig. ja). In: Toshokan-Kai (Libr.World) Vol.46 , No.4 1994, p.164-176, refs.

0488 753
Besemer, H.: **Overcoming the limitations of Boolean searching**. (Orig. en). In: Quart.Bull.Int.Assoc.Agric.I.S Vol.39 , No.1-2 1994, p.88-92, refs.

0489 753, 347, 756
Dietze, J.: **Sachkatalogisierung in einem OPAC**. (Orig. de). , p.297-303, 10 refs.Subject cataloguing in an OPAC

0490 753
Sciore, E.: **Query abbreviation in the entity-relationship data model**. (Orig. en). In: Inform.Syst. Vol.19, No.6 1994, p.491-511, 33 refs.

0491 753, 07
Neelameghan, A.: **Online database searching and retrieval**. Strategies, procedures, commands, and problems: A brief guide. (Orig. en). Bangalore, India: Institute of Information Studies 1995
The manual is to serve as a basic guideline for beginners in information searching in and retrieval from, online database services from remote terminals. Online services discussed are essentially of the DIALOG, ESA-IRS, and ORBIT type accessible via telecommunication networks, such as TYMNET (USA), DATAPAK (Sweden), DATEX-P (Germany), and TRANSPAC (France). Several problems discussed in the manual will also apply to searching CD-ROM databases. The Institute of Information Studies is located at 702, Upstairs, 42nd Cross, III Block, Rajajinagar, Bangalore, 546010, India.

0492 754
Weinberg, B.H.: **Why postcoordination fails the searcher**. (Orig. en). In: Indexer Vol.19 , No.3 1995, p.155-159, 25 refs.
Reasons for the failure of postcoordinate searches include the absence of specified relationships between terms, the complexity of formulating Boolean searches, and the high frequency of terms in large databases. (Author, abbr.)

0493 756
Bisig, U.: **OPAC und verbale Sacherschließung**. Ein Beitrag zur RSWK-Diskussion. (Orig. de). In: ABI-Technik Vol.14 , No.2 1994, p.117-130, 32 refs.OPAC and verbal subject analysis. A contribution to the RSWK discussion

0494 756
Chowdhury, G.G.: Neelameghan, A., Chowdhury, S.: **VOCON: Vocabulary control online in MicroSIS databases**. (Orig. en). In: Knowl.Org. Vol.22 , No.1 1995, p.18-22, 5 refs.

0495 756
Drabenstolt, K.M.: Vizin-Goetz, D.: **Using subject headings for online retrieval: Theory, practice, and potential**. (Orig. en). San Diego, CA: Academic Press 1994, XVIII, 365p. ISBN: 0-12-221570-2
The book is in 13 chapters and comprises the results achieved by the two authors in their research projects on subject headings and online retrieval. A book review by R.R.Larson is included in Information Processing and Management, 31(1995)No.3, p.450-451.

0496 756
Mico, M.: Popp, R.: **Improving Library Subject Access (ILSA)**. A

theory of clustering based in classification. (Orig. en). In: Library Hi Tech Vol.12 , No.1 1994, p.55-66, 4 refs.

0497 756, 88-672
Scammell, A.: **Use of the CAIRS' thesaurus facility at the Council of Mortgage lenders.** (Orig. en). In: Managing Information Vol.1 , No.2 1994, p.35-37, refs.

0498 756
Stumpf, G.: **RSWK und Online-Katalog.** (Orig. de). In: ABl.-Technik Vol.13 , No.4 1993, p.325-The Rules for Subject Cataloguing (RSWK) and the online catalogue

0499 756
Tanaka, Y.: **Development of classified searching for 'NDC MRDF 8': trial of Ritsumeikan University's Search System RUNNERS.** (Orig. ja). In: Toshokan Zasshi/Libr.J. Vol.88 , No.12 1994, p.981-4, refs. See also 0370, 0429, 0495, 0454, 0489

0500 757
Zhisong Chen: Ching Y. Suen: **Measuring the complexity of rule-based expert systems.** (Orig. en). In: Expert Syst. with Applications Vol.7 , No.4 1994, p.467-481, 30 refs.

0501 757, 117
Chew, L.M.L.: Tan, Ch.L., Murphy, D.H.: **An object-oriented knowledge base for multi-domain expert systems.** (Orig. en). In: Expert Systems with Applicat. Vol.8 , No.1 1995, p.177-185, 24 refs.

0502 757
Fidel, R.: Efthimiadis, E.N.: **Terminological knowledge structure for intermediary expert systems.** (Orig. en). In: Inform. Process. & Management Vol.31 , No.1 1995, p.15-27, 53 refs.
An intermediary expert system (IES) helps both end users and professional searchers to conduct their online database searching. To provide advice about term selection and query expansion, an IES should include a terminological knowledge structure. Terminological attributes as well as other properties could provide the starting point for building a knowledge base, and knowledge acquisition could rely on knowledge-base techniques coupled with statistical techniques. The searching behavior of expert online searchers would provide one source of knowledge. The knowledge structure would include three constructs for each term: frequency data, a hedge, and a position in a classification scheme... (Authors, abbr.)

0503 757, 147
Ric, P.: Sefcik, J., Vojtek, V.: **A cooperative approach to Integrating expert systems with neural networks.** (Orig. en). In: Inform. Technology Vol.2 , No.2 1994, p.103-111, refs.

0504 757.849
Savic, D.: **Designing an expert system for classifying office documents.** (Orig. en). In: Records Management Quart. Vol.28 , No.3 1994, p.20-9, refs.

0505 7578-25
Helier, S.R.: Bigwood, D.W., May, W.E.: **Expert systems for evaluating physicochemical property values. 1. Aqueous solubility.** (Orig. en). In: J.Chem. Inform. & Comput. Sci. Vol.34 , No.3 1994, p.627-636, refs.
Description of the expert system SOL, for the evaluation of the efficacy of a methodology for determining physicochemical property values. See also 0347

0506 758-26
Carabedian, M.: Dubois, J.-E.: **Inferring extended virtual knowledge from an EPIOS conversion graph of overlapping substructures.** (Orig. en). In: J.Chem. Inform. & Comput. Sci. Vol.34 , No.4 1994, p.701-6, refs.

0507 758-46
Kempf, A.: **Thematischer Zugang zu Fachinformationen im Internet.** (Orig. de). In: Mitt. Ges. Bibl. Dok. Landbau , No.50 1994,

p.37-44, 18 refs.

The author proposes to set up a pathfinder service called AGUILDE for agricultural information in German on the Internet. Subject access to information in the Internet

0508 758-51/4
Rammal, M.: **Une interface conceptuelle pour le traitement du langage naturel.** Application au langage médical dans le système ADM. (Orig. fr). Compiègne, FR: Doctoral Thesis, Inform. Science 1993A conceptual interface for the treatment of natural language. A medical application in the ADM system

0509 759
Marner, J.C.: **Measuring the success of keyword search strategy in an online catalog.** (Orig. en). In: Techn. Serv. Quart. Vol.11 , No.2 1993, p.1-11, refs.

0510 759, 391
Spink, A.: **Term relevance feedback and mediated database searching: Implications for information retrieval practice and systems design.** (Orig. en). In: Inform. Process. & Management Vol.31 , No.2 1995, p.161-171, 36 refs.

76 Lexicon, Dictionary Problems.

See also 0369.

0511 762
Owolabi, O.: **Dictionary organizations for efficient similarity retrieval.** (Orig. en). In: J. Libr. & Inform. Sci., India Vol.18 , No.1 1993, p.1-11, refs.

0513 762
Sedelow, W.A.: Sedelow, S.Y.: **Multicultural/multilingual electronically mediated communication.** (Orig. en). In: Soc. Science Computer Rev. Vol.12 , No.2 1994, p.242-249
Discusses medling of semantic space with specific reference to an NSF funded project on knowledge representation in dictionaries, thesauri and free text.

0514 762
Shelov, S.D.: **Systematic arrangement of terms in a dictionary: Reality or fiction?.** (Orig. en). In: IITF Journal Vol.3 , No.2 1992, p.141-1147, 8 refs.

0515 765, 768-26
Nakayama, T.: **Semantic dictionary for substructure matching of chemical structures with general descriptors.** (Orig. en). In: J.Chem. Inform. Comput. Sci. Vol.34 , No.4 1994, p.845-853

77 Problems of Terminology.

See also 0249, 0313, 0326, 0321, 0673.

0516 77.05
Loening, K.L.: Sonneveld, H.: **Introducing Terminology: International Journal of Theoretical and Applied Issues in Specialized Communication.** (Orig. en). In: Terminology Vol.1 , No.1 1994, p.1-6
Opening article of this new journal, which appears twice a year and is published by Kluwer, The Netherlands. No.1 contains the following articles:

0517 Sager, J.C.: **Terminology: Custodian of knowledge and means of knowledge transfer.** – 0518 Boulanger, J.-C.: **Lavigne, G.: Quelques caractéristiques du vocabulaire de l'acupuncture.** – 0519 Wright, S.E.: **Budin, G.: Data elements in terminological entries: an empirical study.** – 0520 Nkwenti-Azeh, B.: **Positional and combinational characteristics of terms: Consequences for corpus-based terminography.** – 0521 Vries-Robbé, P.F.: **Flier, F.J.: Towards a common vocabulary for classification and definition.** – 0522 Kageura, K.: **Differences in linguistic representations of concepts in Japanese and English complex noun terms.** – 0523 L'Homme, M.-C.: **Management of terminology in a machine-translation environment.** – 0524 Thor, A.J.: **Terminology for quantities and units in international standards.** – 0525 Lauriston, A.: **Automatic recognition of complex terms: Prob-**

- lems and the **TERMINO** solution. – 0526 Wijnands, P.: **Résumé d'une lecture terminologique de Translation and Meaning: Pt.2.** – 0527 Bowker, L.: **Applied terminology: A state-of-the-art report.** – 0528 Williams, M.: **Terminology in Canada.** – 0529 Graham, J.D.: **Pragmatists united: The Deutscher Terminologie-Tag e.V..** – 0530 Adamo, G.; Bocci, L.: **Associazione Italiana per la Terminologia (ASSITERM).**
- 0531 77.08
Picht, H.: **Book review of Sonneveld, H.B., Loening, K.L. (Eds.): Terminology- Applications in Interdisciplinary communication.** Amsterdam-Philadelphia: John Benjamins 1993. 244p.. (Orig. en). In: *Knowl.Org.* Vol.21 , No.4 1994, p.238-239
- 0532 77.08
Budin, G.: **(Book review of same title as under 0531).** (Orig. en). In: *TermNet News* , No.45 1994, p.55
- 0533 77.387
Blanchon, E.: **Logiciel de gestion de données terminologiques: un marché en pleine évolution.** (Orig. fr) ., p.9-17, 24 refs. Software for the management of terminological data: a market in full evolution
- 0534 77.387
Blanchon, E.: **Terminology software - Logiciels de terminologie.** (Orig. en). In: *TermNet News* , No.46-47 1994, p.5-35
The following programs are described according to a fixed set of criteria, explained beforehand: ALETHGT, AQUILA, ASCOM-TDB, ATAO, AUTOLEX, BATEM, CATS, CODE, CONCEPT & TERM, CONTEXT, DICOBASE, DICOTERM, DIKI/SIL, ERITERM, EUROGLOT/EUROGLOT WINDOWS, EUROLANG OPTIMIZER, FAOTERM, GAT, GESTORLEX, GLOBE-DISK, HYPERTEPA, INGESP, INK TEXT TOOLS, INTEGRATION, KEYLEX, KEYTERM WINDOWS/KEYTERM UNIX, KONSULT, LC-TOP, LE DICO, LE LEXICALISTE, LE TERMINOLOGUE; LEXBASE, LEXICON, LEXITERM, LEXITEQUE, LEXM, LEXPRO, LEXTER, LINGTOOLS. The second part (of some 80 programs) will be published in the next issue of *TermNet News*.
- 0535 77.925
Applied Terminology Operating Group. (Orig. en). In: *Knowl.Org.* Vol.21 , No.4 1994, p.227-228
Report on the founding of the *Groupement Opérationnel de Terminologie Appliquée (GOTA)* in Nov. 1993, located at Garches, France.
- 0536 77.925
German Institute for Terminology (DIT) founded. (Orig. en). In: *Knowl.Org.* Vol.21 , No.4 1994, p.228
The founding took place on Sept.30, 1994 at Eschborn, near Frankfurt. Purposes and mission of this new institution are outlined, the address of the president is given.
- 0537 77.925
Institut für Terminologie und Angewandte Wissensforschung. (Orig. en). In: *Knowl.Org.* Vol.22 , No.1 1995, p.36 *Institute for Terminology and Applied Knowledge Research*
- 0538 77.925
Russian Terminology Society (RossTerm) founded. (Orig. en). In: *Knowl.Org.* Vol.21 , No.4 1994, p.228
Report on the founding of this Society in Moscow, Jan.25, 1994.
- 0539 77.95
Terminology Training. (Orig. en). In: *Terminol.Sci.& Res.* Vol.4 , No.1 1993, p.1-66
The entire issue is devoted to questions of terminology training as a result of presentations from the following 3 Working Groups: *Terminological Teaching Material*, *Requirements for Teachers of Terminology*, *Designing a Terminology Handbook*. The papers are as follows:
0540 Picht, H.: **State-of-the-art of terminology training In 1991.** – 0541 Picht, H.: **Evaluation of translator-oriented terminological teaching material.** – 0542 Thomas, P.: **Requirements for terminological teaching material.** – 0543 Wright, S.E.: Baakes, K., Heliel, M.: **Requirements for teachers of terminology for subject area specialists.** – 0544 Grinev, S.; Thomas, P.: **The ideal terminology teacher for subject specialists.** – 0545 Picht, H.: **Requirements for teachers of terminology within the framework of professional LSP translator training.** – 0546 Wright, S.E.; Thomas, P., Schmitz, K.-D.: **Criteria for a terminology handbook.** – 0547 Picht, H.; Budin, G.: **Conclusions on the workshop "Terminology Teaching and Training".**
- 0548 771
Blanchon, E.: **Défi pour la terminologie.** (Orig. fr). In: *Banq.mots* , No.NS5 1993, p.88-91 *Challenge for terminology*
- 0549 771
Blanchon, E.: **Terminology: Everybody needs IT - and IT needs terminology (IT = Information Technology).** (Orig. en). In: *ISO Bull.* , No. April 1995, p.3-5
- 0550 771
Budin, G.: **Terminology: New needs for computer-assisted management.** (Orig. en). In: *ISO Bull.* , No. Febr. 1995, p.3-4
- 0551 771
Galinski, Ch.: **Terminology: towards clarity.** (Orig. en). In: *ISO Bull.* , No. Jan. 1995, p.3-4
- 0552 771
Grinev, S.V.: **Description of terminology: A parametrical approach.** (Orig. en). In: *IITF Journal* Vol.3 , No.1 1992, p.41-45
- 0553 771
Sager, J.C.: **What's wrong with 'terminology work' and 'terminology science'?.** (Orig. en). In: *Terminology* Vol.1 , No.2 1994, p.375-381
- 0554 771.179
Burger, H.G.: **Polyphony & Decentralization, goals of International terminology.** (Orig. en). In: *Neoterm* , No.21/24 1994, p.65-67
- 0555 771.932
Arsene, S.: **Romania's integration into the European Community and cooperation in the field of terminological research.** (Orig. ro, en). In: *Probl.inf.doc.*, Bukarest Vol.28 , No.1 1994, p.3-12
- 0556 772
Abreli, J.M.: **L'abréviation dans le langage technique.** (Orig. fr). In: *Banq.mots* , No.47 1994, p.105-115 *Abbreviation in technical language*
- 0557 772
Boissy, J.: **Terme, symbole.** (Orig. fr). In: *Banq.mots* , No.NS5 1993, p.33-41, 2p. refs. *Term, symbol*
- 0558 772
Chabridon, J.; Lerat, P.: **Terme et famille de termes.** (Orig. fr). In: *Banq.mots* , No.NS5 1993, p.55-63 *Term and family of terms*
- 0559 772
Desmet, I.; Boutayeb, S.: **Terms and words: Propositions for terminology.** (Orig. en). In: *Terminology* Vol.1 , No.2 1994, p.303-325
English translation of article which appeared in French in *Banq.mots* 1993, NS5, p.5-32.
- 0560 772
Humbley, J.: **L'observation de la néologie terminologique: l'expérience du CTN.** (Orig. fr). In: *Banq.mots* , No.NS5 1993, p.65-73
Observation of terminological neologism: experience of the Centre de Terminologie et de Néologie (CTN)
- 0561 772
Joly, H.; Nallatamby, P.; Ngo, L.; Hamelers, A.: **Néologie coopérative.** (Orig. fr). In: *Banq.mots* , No.48 1994, p.3-52, refs.

- 0562 772
Schneider, A.: **Terme, formule et symbole.** (Orig. fr). In: Banq.mots , No.NS5 1993, p.43-53, 10 refs.Term, formula, symbol
- 0563 772
Stoberski, Z.: **Book review of Gajda, ST.: An introduction to the theory of the term.** Opole: Higher Pedagogical School 1990. (Orig. en). In: Neoterm , No.21-24 1994, p.103-105
- 0564 773
Bennett, R.: **Terminology and the computer: attention shifts to the micro.** (Orig. en). In: Aslib Proc. Vol.46, No.7-8 1994, p.188-200
The organizational context of the terminology work in the Commission of the European Communities and the work of the Commission's translation service is outlined with regard to the use it makes of PCs.
- 0565 773
Kunz, Martin: **Strategien zukünftiger Terminologearbeit.** (Orig. de). In: Dialog Bibl. Vol.7 , No.1 1995, p.23-37
Paper presented at a Colloquy on the future of cooperative RSWK and SWD work in the German Library, Nov.23, 1994, Frankfurt.Strategies of future terminology work
- 0566 773
Olman, G.: **Le talon d'Achille de l'expertise terminologique.** (Orig. fr). In: Banq.mots , No.NS5 1993, p.75-87, 9 refs.
Deals with the problems of consulting experts or specialists, necessary for every terminology work.The Achilles heel of terminology expertise
- 0567 773.213
Quist, Ch.: **Applied knowledge analysis on the PC In the field of terminology.** (Orig. en). In: IITF Journal Vol.3 , No.2 1992, p.1-28
- 0568 777
Jurkowski, M.: **The International terms of Indian origin (to the 500 anniversary of the discovery of America).** (Orig. en). In: Neoterm , No.21-24 1994, p.5-11
- 0569 777
Mueller-Alexander, M.: Seaton, H.J.: **Researching native Americans: tips on vocabulary, search strategies and Internet resources.** (Orig. en). In: Database Vol.17 , No.2 1994, p.45-51
- 0570 777
Skujina, V.: **The development of Latvian terminology as a scientific discipline.** (Orig. en). In: IITF Journal Vol.3, No.1 1992, p.2-11, 7 refs.
- 0571 777
Rytsar, B.E.: **History and prospect of Ukraininan terminology.** (Orig. en). In: IITF Journal Vol.3 , No.2 1992, p.126-140, 4 refs.
- 0572 777
Smith, B.D.: **Language choice and terminology for national development in Negara Brunei Darussalam.** (Orig. en). In: Terminology Vol.1 , No.2 1994, p.291-301
- 0573 777
Regional Terminology Networks (Scandinavia). (Orig. en). In: TermNet News , No.46-47 1994, p.36-52
Description of the following activities in Scandinavian countries: NORDBTERM (p.36-38), SAMI Terminology work (p.38-40), Terminology work in Denmark (p.40-43), The Finnish Centre for Technical Terminology (p.43-45), Terminology in Iceland (p.46-49), RTT and Terminology work in Norway (p.49-50), Swedish Centre for Technical Terminology (TNC) (p.50-52).
- 0574 778
Bungarten, Th. (Ed.): **Fachsprachentheorie.** (Orig. de). Tostedt: Atlikon Verlag 1993, 900 p. ISBN: 3-927226-12-2
The work is in two volumes. Vol.1: Special language terminology,

conceptual and subject systems, methodology (550p.), Vol.2: Conceptions and theoretical investigations (p.551-900). The work was reviewed by Th.Ickler in Muttersprache 105(1995)No.2, p.181-185. There are 25 contributions altogether, among them some on terminological problems, such as:Special language theory

- 0575
Felber, H.: **Fachsprache aus der Sicht der Allgemeinen Terminologielehre.** Special language, seen under the aspect of General Terminology Science

- 0576
Budin, G.: **Terminologie und Fachkommunikation.** Terminology and subject-field communication

- 0577
Hohnhold, I.: **Fachsprache konstituierende Gegenstände: Vorgänge, Maßnahmen und Strukturen auf dem Weg von Begriffen und Benennungen zum Fachtext.** Objects constituting special language: Procedures, measures and structures. On the way from concepts and terms to the special text

- 0578
Hoffmann, L.: **Fachwissen und Fachkommunikation: Zur Dialektik von Systematik und Linearität in den Fachsprachen.** Subject knowledge and subject communication. On the dialectics of systematics and linearity in special languages

- 0579
Sager, J.: **The position of special languages between natural and artificial languages.**

78 Subject-oriented Terminology Work

- 0580 78-124
Beaugrande, R.de: **Knowledge and discourse In geometry: Intuition, experience, logic.** (Orig. en). In: IITF Journal Vol.3 , No.2 1992, p.29-125, 78 refs.

- 0581 78-236
Terminologie des couleurs. (Orig. fr,de,es.). In: Terminologie et Traduction , No.2 1994, p.9-234
Nine contributions on terminology of colours in the languages German, French, English, Spanish, Greek, and Italian.Terminology of colours

- 0582 78-26
Polton, D.J.: **Chemical nomenclatures and the computer.** (Orig. en). Taunton, U.K.: Research Studies Press Ltd. 1993, XII,264p. ISBN: 0-86380-156-0
Book review by Gerald G. Vander Stouwin Terminology 1(1994)No.2, p.393-5

- 0583 78-26
Seaborg, G.T.: **Terminology of the transuranium elements.** (Orig. en). In: Terminology Vol.1 , No.2 1994, p.229-252

- 0584 78-265
Kisakürek, M.V. (Ed.): **Organic chemistry: Its language and Its state of the art..** (Orig. en). Basel-Weinheim: Verl.Helvetica Chimica Acta, VCH Publ. 1993, VIII,196p. ISBN: 1-906390-03-9
Book review by L.Mart in Terminology 1(1994)No.2, p.389-393

- 0585 78-48
Pennington, J.A.T.: Smith, E.C., Chatfield, M.R., Hendricks, Th.C.: **LANGUAL: a food-description language.** (Orig. en). In: Terminology Vol.1 , No.2 1994, p.277-289

- 0586 78-51/4, 777
Kondralyev, D.K.: **Eponymic Russian medical terminology.** (Orig. en). In: IITF Journal Vol.3 , No.1 1992, p.30-40, 12 refs.

0587 78-515:527
Mguifar, R.: Terminologie des appareils de correction auditive modernes. (Orig. fr). In: Banq.mots , No.47 1994, p.23-59, 3p.refs.Terminology of hearing aids

0588 78-541
Banks, I.C.: Tackley, R.: A standard set of terms for critical incident recordings?. (Orig. en). In: Br.J.Anaesth. Vol.73 , No.5 1994, p.703-708

0589 78-6
Eisele, H.:Bookreview of Gaudin, F.: Pour un socioterminologie. Rouen, FR: Presses de l'Université 1993. 255p.. (Orig. en). In: Knowl.Org. Vol.22 , No.1 1995, p.43-44

0590 78-72
Schwarzer, B.:Krcmar, H.:Neue Organisationsformen. Ein Führer durch das Begriffspotpourri. (Orig. de). In: IM. Information Management , No.4 1994, p.20-27, 44 refs.
Despite numerous speculations on the character of the new organizational forms hardly any indepth insights have been gained. The situation is complicated by the large number of new terms used in connection with new organizational forms. The article intends to increase the understanding by explaining terms and their relationships.New organization forms. A guide through the pellmell of concepts

0591 78-787
Wanten, M.: Terminologie de la maintenance en aviation civile. (Orig. fr). In: Banq.mots , No.47 1994, p.60-93, 3p.refs.Terminology of maintenance in civil aviation

0592 78-82
Port, P.: The terminology of I & D (Information and Documentation). (Orig. en). In: ISO Bull. , No.March 1995, p.3-4

0593 78-824
Menne-Haizt, A.: Schlüsselbegriffe der Archivterminologie: Lehrmaterialien für das Fach Archivwissenschaft. (Orig. de). Marburg: Archivschule-Inst.f.Archivwissenschaft 1992 Veröffentlichung No.20Key concepts of archive terminology. Teaching aids for the subject field archivistics

0594 78-83
Gesche, V.: Schaetzen, C.de:Néologismes de firme: lesdoublets dans les interfaces graphiques d'Apple et de Microsoft. (Orig. fr). In: Banq.mots , No.47 1994, p.95-104Neologisms of firms: doublets in the graphic interfaces of Apple and Microsoft

0595 78-83
Astheimer, P.: Böhm, K.,Felger, W., Göbel, M., Müller, S.: Die Virtuelle Umgebung-Eineneue Epoche in der Mensch-Maschine-Kommunikation. Teil 1: Einordnung, Begriffe und Geräte. (Orig. de). In: Informatik-Spektrum Vol.17 1994, p.281-290, 11 refs.
Virtual reality (VR) is an enabling technology in computer graphics which integrates human users with computer-generated worlds. Regarded as the human-machine interface of the future, virtual reality addresses multiple human senses, such as the visual, the auditory, and the haptic senses. The first part of this contribution defines and explains terms relevant for virtual reality and introduces common and special interaction devices.The virtual environment - a new epoch in man-computer communication. Pt.1: Classification, concepts, and tools

0596 78-834
Hesse, W.: Barkow, G., Braun, H.v., Kittlaus, H.-B., Scheschonk, G.: Terminologie der Softwaretechnik. Ein Begriffssystem für die Analyse und Modellierung von Anwendungssystemen. Teil 1: Begriffssystematik und Grundbegriffe. (Orig. de). In: Informatik-Spektrum Vol.17 , No.1 1994, p.39-47, 23 refs.Terminology of software technology. Pt.1: Conceptual order system and basic concepts

0597 78-834
Hesse, W.: Barkow, G. et al.: Terminologie der Softwaretechnik. Teil 2: Tätigkeits- und ergebnisbezogene Elemente. (Orig. de). In: Informatik-Spektrum Vol.17 , No.2 1994, p.96-105, 34 refs.Terminology of software technology. Pt.2: Activity- and result-related elements

0598 78-9
Nikitina, S.E.: Humanitarian scientific terms In an explanatory dictionary-thesaurus. (Orig. en). In: IITF Journal Vol.3 , No.1 1992, p.20-27

0599 78-935
Duquesne, P.: Terminologie de la clarinette d'après le système de Monsieur Boehm. (Orig.fr). In: Banq.mots, No.47 1994, p.7-22, 3p.refs.The clarinet terminology from the system of Mr.Boehm

8 Applied Classing and Indexing (C & I)

81 General Problems, Catalogues, Guidelines.

See also 0493.

0600 814, 752
The Chicago Manual of Style. 14th ed.. (Orig. en). Chicago, IL: University of Chicago Press 1993

0601 814
Weinberg, B.H.: Indexes: a chapter from The Chicago Manual of Style, 14th edition: a review. (Orig. en). In: Indexer Vol.19 , No.2 1994, p.105-109, 90 refs.

The chapter on indexes in The Chicago Manual of Style serves as a standard for index format and as a self-teaching tool for authors and novice indexers. The 14th edition is reviewed for logical sequence, accordance of the guidelines and rules with those of other manuals and authorities, and the quality of its index. It is found wanting in all these areas, but contains much useful information on the indexing process and book index format.

0602 814 RSWK
Kelm, B.: 2., überarbeitete Auflage der Praxisregeln zu den RSWK und der SWD. (Orig. de). In: Dialog Bibl. Vol.7 , No.2 1995, p.6-7
Also published in Buch und Bibliothek 47(1995)No.4, p.322-323.Second revised edition of the practice rules to the Rules for the Subject Catalogue (RSWK) and the Subject Authority File (SWD)

0603 818
Kiittel, P.: Sachkatalogisierung und Sachkataloge der Druckschriften an der Deutschen Staatsbibliothek, 1945-1990. (Orig. de). In: Mitt.Staatsbibl.Berlin, N.F. Vol.2 , No.2 1993, p.85-104Subject cataloguing and subject catalogues at the German State Library

83 Title Classing and Indexing

0604 832
Bachir, I.: Buxton, A.: The use of topic sentences for evaluating the representativeness of Arabic article titles. (Orig. en). In: J.Inform.Sci. Vol.19 , No.6 1993, p.455-465, 24 refs.
The study showed that Arabic titles appear to provide good representations of their articles. Between 70% and 88% of the substantive words in titles matched substantive words in the corresponding topic sentences.

84 Primary Literature C & I

See also 0504.

0605 842
Shen Jialian: Technical subjects analysis of Chinese patents

according to the International Patent Classification (IPC). (Orig. en). In: World Patent Classif. Vol.16 , No.2 1994, p.116-118

0606 842
Willmann, A.: **Classifying and indexing of patent documents: a retired patent documentalist looks back.** (Orig. en). In: World Patent Information Vol.16 , No.4 1994, p.233-5, refs.

0607 843
Fugmann, R.: **Book review of Bell, H.K.: Indexing biographies and other stories of human lives.** London: Soc.of Indexers 1992. 42 p.. (Orig. en). In: Knowl.Org. Vol.22 , No.1 1995, p.46-47

0608 845
Urdang, L.: **Indexing a periodical: 'Verbatim'.** (Orig. en). In: Indexer Vol.19 , No.3 1995, p.202-204
Offers some observations on the indexing of 'Verbatim, The Language quarterly'.

0609 845
Valauskas, E.J.: **Indexing magazines with bibliographic software on the Macintosh.** (Orig. en). In: Database Vol.17 , No.3 1994, p.101-104, 4 refs.

0610 845, 851
Wellisch, H.H.: **Book and periodical indexing: Perspectives on ... indexing.** (Orig. en). In: J.Amer.Soc.Inform.Sci. Vol.45 , No.8 1994, p.620-627, 16 refs.

0611 847
Chabin, M.: **CLASSELS: une méthode de classement des documents vivants intégrant les préoccupations de la mémoire longue de l'entreprise.** (Orig. fr). Gérer les mémoires de l'entreprise: archives et documentation, Paris, 20 avril 1994 Paris: Assoc.de Doc.et de Bibliothécaires Spec. 1994, 5 p. CLASSELS: a classification method for live documents integrating long memory of a firm

0612 847
Trugenberger, V.: **EDV-Programme zur Archivallerschließung.** Kriterienkatalog des EDV-Ausschusses der Archivreferentenkonferenz des Bundes und der Länder. Einführung und Textabdruck. (Orig. de). In: Archivar Vol.47 , No.2 1994, p.283-Computer programs for indexing in archives

85 (Back of the) Book C & I

See also 0672.

0613 851.07
Booth, P.F.: **Book review of Mulvany, N.C.: Indexing books.** Chicago and London: University of Chicago Press 1994. XIII,320p.. (Orig. en). , p.349-351, 8 refs.

0615 851
Fugmann, R.: **(Book review of same title as under 0613).** (Orig. en). In: Knowl.Org. Vol.21 , No.3 1994, p.161

0616 851.07
Milstead, J.: **(Book review of same title as under 0613).** (Orig. en). In: Inform.Process.&Management Vol.31 , No.2 1995, p.249-250, 2 refs.

0617 851.07
Washington-Blair, A.: **(Book review of same title as under 0613).** (Orig. en). In: Library Journal Vol.119 , No.1 1994, p.178

0614 851.07
Fetters, L.K.: **(Book review of same title as under 0613).** (Orig. en). In: Key words Vol.2 , No.5 1994, p.10-11

0618 851.07
Piggot, M.: **(Book review of same title as under 0613).** (Orig. en). In: Indexer Vol.19 , No.2 1994, p.142

0619 851.07
Kunze, H.: **Über das Reglstermachen. 4.erw.u.verb.Aufl.** (Orig. de). München etc.: K.G.Saur Verlag 1992, 83p. ISBN: 3-598-11090-1
A book review of this title appeared (in German) in Zeitschrift für Bibliothekswesen und Bibliographie 40(1993)No.5, p.442-443 by Gisela Ewert. On making indexes

0620 854
Diodato, V.: **Duplicate entries versus see cross-references in back-of-book indexes.** (Orig. en). In: Indexer Vol.19 , No.2 1994, p.83-87, 10 refs.

0621 857
Tsioli, M.; Corsini, S.: **Indexation livres anciens Brunet-Parguez.** (Orig. fr). In: ARBIDO-Bull. Vol.9 , No.4 1994, p.17-18 Brunet-Parguez indexing of ancient books

0622 859
Diodato, V.: **User preferences for features in back of book indexes.** (Orig. en). In: J.Amer.Soc.Inform.Sci. Vol.45 , No.7 1994, p.529-536, refs.

0623 859
Robertson, M.: **Foreign concepts: Indexing and Indexes on the continent.** (Orig. en). In: Indexer Vol.19 , No.3 1995, p.160-172, 12 refs.

86 Secondary Literature C & I

See also 0647.

0624 861
Crystal, D.: **Some indexing decisions in the Cambridge encyclopedia family.** (Orig. en). In: Indexer Vol.19 , No.3 1995, p.177-183
The paper explains the reasoning behind the extensive index in The Cambridge facfinder, describes the automatic indexing of the encyclopedia database, and discusses the relative merits of word-by-word and letter-by-letter indexing in this genre. (Author, abbr.)

0625 864
Baird, L.M.; Oppenheim, Ch.: **Do citations matter?.** (Orig. en). In: J.Inform.Sci. Vol.20 , No.1 1994, p.2-15, 70 refs.
The paper concludes that citation studies remain a valid method of analysis of individuals', institutions', or journals' impact, but need to be used with caution and in conjunction with other measures.

0626 864, 387
Bor-shung Tsai: **Mapping metrics for subject-object coordinated field recognition and representation.** (Orig. en). In: Libr.Sci.Slant Doc.Inf.Stud. Vol.30 , No.3 1993, p.91-102, 6 refs.
A sample microcomputer software program, using concise IBM BASICA LOGO language, provides a formula and a skeleton for micro-networking and mapping the essential objects, a cumulative repository of advantageous learning experiences and knowledge. These objects are pre-definable through citation analysis within a particular subject field. These objects become progressive and inheritable through a hierarchical chaining mechanism. A machine readable map is thus generated. It can be used as an independent research indicator for mapping a particular subject field. (Author, abbr.)

0628 864
Kahl, M.: **Zitatenanalyse mit dem Journal Citation Reports des Institute for Scientific Information.** Ein Hilfsmittel für die Zeitschriftenauswahl in wissenschaftlichen Bibliotheken?. (Orig. de). In: Bibliothek Vol.19 , No.1 1995, p.30-63 Citation analysis using the Journal Citation Reports of the ISI - an aid for selecting journals in scientific libraries?

0629 864
Verma, M.: **Citation analysis of some selected Indian journals in economics.** (Orig. en). In: Annals of Libr.Science & Doc. Vol.41 , No.1 1994, p.33-39, 9 refs.

0630 864.253
Sumner, R.G.jr.: **Utilizing the age of references to control the exhaustivity of the reference representation In Information retrieval.** (Orig. en). In: *Inform.Process.& Management* Vol.31 , No.1 1995, p.29-45, 24 refs.

87 C & I of Non-book Materials.

See also 0462, 0654 (872).

0631 871
Svenonius, E.: **Access to nonbook materials: the limits of subject indexing for visual and aural languages.** (Orig. en). In: *J.Amer.Soc.Inform.Sci.* Vol.45 , No.8 1994, p.600-606, refs.
An examination of some non-book materials with respect to an aboulness model of indexing leads to the conclusion that there are instances that defy subject indexing. These occur not so much because of the nature of the medium per se but because it is being used for non-documentary purposes, or, where being used for such purposes, the subject referenced is non-lexical. (Author)

0632 872
Austin, D.L.: **An Image Is not an object: but it can help.** (Orig. en). In: In: Helal, A.H. et al Proc.16th Int.Essen Symposium. Resource sharing. 18-21 Oct.1993 Essen: Universitätsbibliothek 1994, p.277-296, refs.

The index structure used in a project to provide access to photographs contained in the Conway Library Microfiches is the key to shared access for both images and objects. It contains data elements extracted from USMARC and UNIMARC formats. Since all fields of information do not need to reside with the primary document record, the basic structure of each microfiche index record can be adapted and expanded by other users to include information appropriate to the needs of a museum, a slide collection, ascholar, and a cultural heritage documentation project. Vocabulary standards must also be established before such cooperation can occur. (Author, abbr.)

0633 872, 88-544
Di Nubila, B.: Gagliardi, I., Macchi, D., Milanese, L. et al: **Concept-based indexing and retrieval of multimedia documents.** (Orig. en). In: *J.Inform.Sci.* Vol.20 , No.3 1994, p.185-196, 29 refs.
A concept-based indexing of the description of the images (in medical articles, radiological ward) is proposed based on Farradane's work. A first prototype of a multimedia information retrieval system has been implemented with the goal of validating the method in the specific application.

0634 872.01
Casey, D.D.: **Scouting new horizons: an annotated bibliography introducing subject access in visual image databases.** (Orig. en). In: *Illinois Libraries* Vol.76 , No.4 1994, p.240-2, 12 refs.

0635 872
Grimshaw, A.: **LANSIDE. Slide indexing at St.Albans School of Art and Design, University of Hertfordshire.** (Orig. en). In: *Inform.Management & Technol.* Vol.27 , No.2 1994, p.65, 70, 87

0636 872
Holt, B.: Hartwick, L.: **Quick, who pained fish?: Searching a picture database with the QBIC project at UC Davis.** (Orig. en). In: *Inform.Serv.Use* Vol.14 , No.2 1994, p.79-90, 7 refs.
The University of California at Davis's Department of Art and Art History is using QBIC (Query by Image Content), a visual query software program currently under development by IBM, to determine how effective it may prove in retrieving art images based on what they look like, rather than relying on text indexing.

0638 872
Layne, S.S.: **Some issues In the indexing of images.** (Orig. en). In: *J.Amer.Soc.Inform.Sci.* Vol.45 , No.8 1994, p.583-88, refs.

0637 874
Holt, B.: Hartwick, L.: **Retrieving art Images by image content: The**

UC Davis QBIC Project. (Orig. en). In: *Aslib Proc.* Vol.46 , No.10 1994, p.243-248, 7 refs.

0639 875
Book review of Cawke, A.E.: Indexing collections of electronic Images: a review. London: British Library Research & Development Department 1993. 43p. (Orig. en). In: *Program* Vol.28 , No.4 1994, p.445-446

0640 875
Fidel, R.: Hahn, T.B., Rasmussen, E.M., Smith, P.J. (Eds.): **Challenges in indexing electronic text and Images.** (Orig. en). Medford, NJ: Learned Inform. 1994, IX, 306p. ASIS Monograph Series ISBN: 0-938734-76-8
The book was reviewed by E.Svenonius in *Inform.Process.& Management* 31(1995)No.2, p.259-260.

0641 876
Conversion of Map Catalogues. Barcelona, August 1993. (Orig. en). In: *Inspel* Vol.28 , No.1 1984, p.7-199
The entire issue is devoted to cataloguing of maps and cartographic data, altogether in 24 contributions. The introduction is by Pierre-Yves Duchemin.

0642 877
Turner, J.: **Indexing film and video images for storage and retrieval.** (Orig. en). In: *Inform.Serv.& Use* Vol.14 , No.3 1994, p.225-36, refs.
Paper presented at the Electronic Imaging and Visual Arts Conference held at the National Gallery, London, UK in July 1994.

0643 877
Elliker, C.: **Classification schemes for scores: analysis of structural levels.** (Orig. en). In: *Noles* Vol.50, No.4 1994, p.1269-1320, refs.
A wide range of classification schemes were investigated to find out whether there are other elements in musical scores besides forms and genres and/or instrumentation taken care of in such schemes. It is concluded that the traditional arrangement of MEDIUM + FORM/GENRE + CHARACTER continues to achieve widespread application and that this formula may be dominant also in the future.

0644 877
Decobert, L.: Ebtinger, M.-J.: **Réalisation d'un modèle d'indexation et de recherche des composantes vocales et instrumentales des oeuvres musicales sur le logiciel documentaire.** JBL-DOC Microfiche. (Orig.fr). Paris: Inst.Natl.Techn.Doc., Mém. 1992, 198p., 29 refs. Production of an indexing model and research into the vocal and instrumental components of musical works with the JBL-DOC software

0645 877
Feiten, B.: Gunzel, S.: **Automatic indexing of a sound database using self-organizing neural sets.** (Orig. en). In: *Computer Music Journal* Vol.18 , No.3 1994, p.53-65, refs.

0646 877
Temperley, N.: **The problem of definitive Identification In the Indexing of hymn tunes.** (Orig. en). In: *Music Reference Serv. Quart.* Vol.2 , No.3/4 1993, p.227-240
The goal of the project described was to compile an index of printed sources of hymn tunes with English-language texts from the Reformation to 1820. Each tune is identified in the index by an incipit of ten notes in numerical code. The article describes also some of the difficulties encountered in cataloguing the many tunes for the index.

0647 879
Göder, W.: **Multimedia-Enzyklopädien auf CD-ROM. Eine vergleichende Analyse von Allgemeinenzyklopädien.** (Orig. de). Berlin, DE: Dt.Bibliotheksinst. 1994, 125p. *Inform.Mittel f.Bibl., Beih.* 1 In a first part the general characteristics of the encyclopedias are described. Pt.2 presents 7 products from 5 publishers (compton, Grolier, Software Toolworks, Microsoft Encarta, Bertelsmann) and Pt.3 evaluates the new media. On p.43-125 pictures from the

different CDs are shown as referred to in the text of Pt.1. Multimedia encyclopedias on CD-ROM. A comparative analysis of general encyclopedias

0648 879.387, 651/4
Bhattacharjee, E.: **Die CD-ROM-Retrieval-Software Knowledge Finder**. (Orig. de). In: COGITO , No.1 1995, p.46-47
Knowledge Finder integrated fully the Thesaurus Medical Subject Headings (MeSH) and includes further devices to facilitate access to medical knowledge. It runs on DOS, Windows, and Macintosh, has a Cross-Platform-Portability and is also configured for large networks with a high performance.

88 Classing and Indexing in Subject Fields

88-3 C & I in Geo Area 3

0649 88-39
Woodruff, A.G.: Plaunt, C.: **GIPSY: automated geographic Indexing of text documents**. (Orig. en). In: J.Amer.Soc.Inform.Sci. Vol.45 , No.9 1994, p.645-55, refs.
An algorithm is presented which automatically extracts geospatial coordinated index terms from text to support georeferenced document indexing and retrieval. Under this algorithm, words and phrases containing geographic place names or characteristics are extracted from a text document and used as input to database function which use spatial reasoning to approximate statistically the geospatial position being referenced in the text.

0650 88-39, 88-69
Salzberg, B.: **On Indexing spatial and temporal data**. (Orig. en). In: Inform.Systems Vol.19 , No.6 1994, p.447-465, 22 refs.

88-4 C & I in the Bio Area 4

0651 88-442
Rohlfien, K.: **Sacherschließung der Monographien, Serienwerke und Stücktitel der Entomologischen Bibliothek mit dem Literaturverwaltungssystem VCH-BIBLIO**. (Orig. de). In: Mitt.Ges.Bibl.wes.u.Dok.Landb., No.50 1994, p.18-23, 9 refs. Subject indexing of monographs and series of the Entomological Library with VCH-BIBLIO

0652 88-47
Bauer, A.: **Sacherschließung In der Bibliothek der Fachhochschule Eberswalde, Insbesondere seit Einsatz des SISIS-Systems**. (Orig. de). In: Mitt.Ges.Bibl.wes.Dok.Landbau , No.50 1994, p.34-36, 6 refs.
The system makes use of the Forestry Decimal Classification and the UDC, supplemented by descriptors. Subject indexing in the library of the Eberswalde Fachhochschule, especially since introduction of the SISIS-System

88-5 C & I in the Human Area 5

0653 88-51/4
Lennie, F.: Nickerson, A.: **Indexing medical works**. (Orig. en). In: Key Words Vol.2 , No.2 1994, p.1, 11-16

0654 88-51/4, 872
Orphanoudakis, S.C.: Chronaki, C., Kostomanolakis, S.: **I2C: a system for the indexing, storage, and retrieval of medical images by content**. (Orig. en). In: Medical Informatics Vol.19, No.2 1994, p.109-122, refs.

88-6 C & I in the Socio Area 6

0655 88-6
Social Sciences Index: a Quarterly Author and Subject Index to Publications. (Orig. en). New York, NY: H.W.Wilson Co. 1994 ISSN 0094-4920
This index is published four times a year. As from 1994 the number

of journals indexed has increased from 339 to 415.

0656 88-66
Brunt, D.: **Book review of Moys, E.M. (Ed.): Indexing legal materials**. London: Society of Indexers 1993. 74p.. (Orig. en). In: Cat.& Index , No.113 1994, p.11

88-9 C & I in the Culture Area 9

0657 88-912
McLaughlin, M.Ch.: **Indexing Irish grammars**. (Orig. en). In: Indexer Vol.19 , No.2 1994, p.93-98, 8 refs.

0658 88-918
Joachim, M.D.: **Languages of the world: cataloging issues and problems**. (Orig. en). Binghamton, NY: Haworth Press 1993, 292p. ISBN: 1-56024-520-4
The contents of this book has also been published as Cataloging and Classification Quarterly 17(1993)No.1-2.

0659 88-92, 692
Stebelman, S.: **Vocabulary control and the humanities: a case study of the MLA International Bibliography**. (Orig. en). In: Reference Librarian , No.47 1994, p.61-78, refs.
Examines the history of the MLA International Bibliography database and how its adaptations, both semantic and technological, have transformed information retrieval within the disciplines it covers. (Author, abbr.)

0660 88-93
Crofts, S.J.: **Where's that tune?**. (Orig. en). In: Indexer Vol.19, No.3 1994, p.189-191, 10 refs.
Discusses features of indexes to collections of traditional music, considering specific difficulties that may be encountered by indexers and users.

0661 88-94
Weinberg, B.H.: **Book review of Petersen, T., Barnett, P.J.: Guide to indexing and cataloguing with the Art & Architecture Thesaurus**. New York and Oxford: Oxford University Press 1994. XVI, 397p.. (Orig. en). In: J.Amer.Soc.Inform.Sci. Vol.46 , No.2 1995, p.152-160, refs.

0662 88-966, 879
Carter, C.E.: **Accessing ethnic group information on CD-ROM: the case of Southeast Asians**. (Orig. en). In: Reference Librarian , No.45/46 1994, p.171-184, refs.

0663 88-969
Hanworth, R.: **On Indexing 'The heritage of North Cyprus': a personal approach**. (Orig. en). In: Indexer Vol.19 , No.3 1955, p.205-207, 7 refs.
An account of how and why the author set about indexing a 'popular' work on a country's history and archaeology.

0664 88-969
Lavell, Ch.: **A database of radiocarbon dates for archaeology**. (Orig. en). In: Indexer Vol.19 , No.3 1995, p.173-176, 5 refs.
Describes the formation of a finding aid for published radiocarbon dates for archaeological sites, first (in the 1970's) by manual methods, latterly by computer database.

0665 88-97
Büchel, G.: **Maschinelle Erschließung und Repräsentation von Terminologiebeständen am Beispiel von G.W.F.Hegel: 'Wissenschaft der Logik'**. (Orig. de). In: Sprache und DV Vol.16 , No.2 1992, p.3-14, 15 refs.
Description of a development project. The appendix gives a list of automatically recognized terms in Hegel's work. Automatic indexing and representation of terminology holdings using the example of G.W.F.Hegel's 'Science of Logic'

9 Knowledge Organization Environment

91 Professional and Organizational Problems in General and in Institutions

0666 912
Starting an Indexing Business. (Orig. en). Port Aransas, TX: American Society of Indexers 1994
Topics covered are: education and training in indexing, using a computer, charging and setting fees, setting up a business, finding and keeping clients, etc. The book is composed of a number of relevant articles published earlier on these topics. Orders must be accompanied with checks. Orders for non ASI-members: USD 30. Address: ASI, PO Box 386, Port Aransas, TX 78373, USA. Tel. (512)749-4052.

0667 916.31
Binder, W.: Das Fachreferenzsystem der UB Bielefeld als Arbeitsinstrument für die SWD-gestützte Sacherschließung. (Orig. de). In: *Bibliotheksdienst* Vol.28, No.5 1994, p.639-50
The subject librarian system of Bielefeld university library as a 'tool' for subject cataloguing supported by the Subject Authority File (SWD)

92 Persons and Institutions in KO

0668 924
Foskett, D.J.: IASLIC Bulletin, vol.37, no.3, September 1992. Ranganathan Birth Centenary Commemorative Issue. Calcutta: Indian Association of Special Libraries and Information Centres, 1993. (Orig. en). In: *J.Doc.* Vol.50, No.3 1994, p.261-2
Review of the Ranganathan commemorating issue of IASLIC Bulletin with specially emphasising Ranganathan's adverse attitude against the founding of IASLIC and the separation in the education of librarians.

0669 924
Davis, S.W.: Book review of S.R. Ranganathan 1982-1972. Ed. by E. Dudley, introduction by M.P. Satija. New Delhi: Ess Ess Publ. 1992. 39p.. (Orig. en). In: *Knowl.Org.* Vol.21, No.3 1994, p.161-162

0670 924
Foskett, D.J.: Book review of Kumar, Girja: Ranganathan: an intellectual biography. New Delhi: Har-Anand Publ. 1992. 327p.. (Orig. en). In: *J.Doc.* Vol.50, No.1 1994

0671 925, 88-93
Kommission für Erschließung und Katalogmanagement. Die Reform von RAK-Musik und RSWK-Musik. (Orig. de). In: *Bibliotheksdienst* Vol.28, No.2 1994, p.217-218
Commission for Subject Analysis and Catalogue-Management. The reform of music cataloguing according to RAK and RSWK

0672 925.851
Sano, M.: The Japan Society of Indexers. (Orig. en). In: *Toshokan Zasshi (Library J.)* Vol.87, No.9 1993, p.684-5
The Japan Society of Indexers was founded in 1977. It has its own journal (Bibliography and indexing prospects) and has also published reference works. It holds seminars and annual conferences.

0673 925.77
Rat für Deutschsprachige Terminologie gegründet. (Orig. de). In: *UNESCO Heute* Vol.41, No.4 1994, p.389
Note on the foundation which took place on Nov.14, 1994 in Bonn. Foundation of a Council for German-language Terminology

0674 926
McGarry, D.: Section on Classification and Indexing. (Orig. en). In: *Int.Cat.Bibliogr.Control* Vol.23, No.1 1994, p.7-8
Report on the section's activities in 1992-3.

0675 926
IFLA Section on Classification and Indexing. (Orig. en). In: *Knowl.Org.* Vol.21, No.3 1994, p.155-156
Report on activities in 1993 and 1994 (Barcelona and Havana).

0676 926
Williamson, N.: FID/CRNews 38. (Orig. en). In: *Knowl.Org.* Vol.22, No.1 1995, p.41-42
Reports on FID/CR activities, News from the Decimal Classification Division of the Library of Congress, the IFLA Section on Classification and Indexing, the ALA/ALCTS Subject Analysis Committee, on DDC Publications, on the Cataloger's Desktop, etc.

0677 926
ISKO General Assembly 1994. (Orig. en). In: *Knowl.Org.* Vol.21, No.3 1994, p.159-160
Minutes of the Assembly chaired by K.E. Wolff, with the results of the elections.

0678 926
10th Meeting of ISKO Executive Board. (Orig. en). In: *Knowl.Org.* Vol.22, No.1 1995, p.37
Reports on the results of the deliberations which took place at Frankfurt, March 4, 1995.

0679 926
Sukiasyan, E.: International Society for Knowledge Organization. (Orig. ru). *Nauch. itekhn. biblioteki* (1994) No.5, p. 55-68, 7 refs.
Report on and presentation of ISKO as an introduction for the librarians in Russian scientific and technical libraries on the occasion of ISKO's 5th anniversary.

0680 926, 191-49
The Recommendations of the International Society for Knowledge Organization (ISKO) to the Decision Makers in the Ministries on Environmental Matters. (Orig. ro). *Terra. Rev. de Inform. de Mediu* 21(1995) No.4, p. 4-5
Translation into Romanian of the Recommendations published in the Supplement volume to the Proceedings of the Conference on Environmental Knowledge Organization and Information Management, Bratislava, 16-18 Sept. 1994. Translation was done by Ms. Silvia Savulescu.

0681 926
International Society for Scientometrics and Informetrics (ISSI). (Orig. en). In: *Knowl.Org.* Vol.22, No.1 1995, p.36
Report on the founding of this new Society in Utrecht, Oct.5, 1994.

0682 928
Dr. Robert Fugmann received Ranganathan Award. (Orig. en). In: *Knowl.Org.* Vol.21, No.4 1994, p.229

95 Education and Training in KO

0683 954
Bies, W.: Information literacy als Lernziel des Fremdsprachenunterrichts: eine Skizze. Information literacy to be learned in foreign language teaching. (Orig. de). In: *Neuspr.Mitt.Wiss.u.Praxis* Vol.1, No.1 1995, p.25-30
Information literacy is understood to be the key qualification in a goal- and access-oriented handling of information with regard to analysis, storage and retrieval of information, regardless of the storage medium... Information literacy aware people know how to learn because they know how to use information in such a way that others can learn from them.

0684 955.387
Devadason, F.: Devadason, R.: TEPACIS: a teaching package on CDS/ISIS. (Orig. en). In: *Information Development* Vol.10, No.4 1994, p.269-272, 19 refs.
The widely-used software package CDS/ISIS, has a reputation for being difficult to learn. A new computer-assisted instruction package, TEPACIS, aims to make the task easier.

0685 957
Lamari, T.: *Les systèmes de classification enseignés et utilisés en Afrique francophone.* (Orig. fr). Ottawa, Canada: BIEF 1994, VII, 39p. BIEF-Etudes 1 ISBN: 2-921420-14-7 Classification systems taught and used in French-speaking Africa

98 User Studies

0686 984
Bharati Sen: *Classification schemes used by librarians of Bombay: a survey conducted by the BLIS students of SHPT School of Library Science, SNDT University, Bombay.* (Orig. en). In: SLIS Observer Vol. 12, No. 1-2 1995, p. 36-

0687 987
Fidel, R.: *User-centered indexing: Perspectives on ... Indexing.* (Orig. en). In: J. Amer. Soc. Inform. Sci. Vol. 45, No. 8 1994, p. 572-576, 25 refs.
The user-oriented approach requires that indexing reflect the requests for which a document might be relevant.

0688 987
Franz, L.: Powell, J., Jude, S., Drabenstott, K.M.: *End-user understanding of subdivided subject headings.* (Orig. en). In: Libr. Resources & Techn. Serv. Vol. 38, No. 3 1994, p. 213-226, 11 refs.

0689 988
Jorgensen, C.: Liddy, E.D.: *An analysis of information seeking behaviours in index use, or opening Pandora's Box.* (Orig. en). In: In: Williams, M.E. Proc. 15th Natl. Online Meeting 1994. New York, 10-12 May 1994. Medford, NJ: Learned Information 1994, p. 233-241, refs.
Gives an overview of a research project which had aimed to empirically investigate book-index usage behaviours and the extent to which specific print index features affect a user's search for information.

0690 989
Losee, R.M.: *The relative shelf location of circulated books: a study of classification, users and browsing.* (Orig. en). In: Libr. Resources & Techn. Serv. Vol. 37, No. 2 1993, p. 197-209
The investigation resulted in formulating a measure for the user-friendliness of classification systems.

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