Classification Literature 17(1990)No.2 (2-001 - 2-356)

* Divisions of 04, 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 (by one and sometimes two levels) was published in Int.Classif.12(1985)No.3, p.147-151.
From this more detailed scheme it will be visible that subject fields may also occur in many cases on the third and also forth level of division, indicated by the number 8.

** Monographs on special topics at special subdivisions.

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

We offer to send copies of the abstracts of the references cited to anybody interested.

Language abbreviations:

bg	Bulgarian	fi	Finnish	pl	Polish
cs	Czech	fr	French	pt	Portuguese
da	Danish	hu	Hungarian	ro	Romanian
de	German	it	Italian	ru	Russian
ee	Estonian	ja	Japanese	sh	Serbo-Croatian
en	English	li	Lithuanian	sk	Slovakian
es	Spanish	nl	Dutch	uk	Ukrainian

0 Form Division

01 Bibliographies

See also 2-261

2-001   016
Beck, H.: **Book review of Dahlberg,I.(Comp.& Ed.): International Classi-fication and Indexing Bibliography.** Vol.3: Classification and Indexing Systems: theory, Structure, Methodology, 1950-1982. Indeks Verlag 1985. XII,211p. (Orig. de). Zbl.Bibl.wes. Vol.104, No.3, 1990. p.132-133

02 Literature Reviews

2-002   026
Biswas, S.C.: Smith, F.: **Classed thesauri in indexing and retrieval.** A literature review and critical evaluation of online alphabetic classaurus. (Orig. en). Libr.& Inform.Sci.Res. Vol.11, No.2, 1989. p.109-141, 66 refs.
Following the publication of the FID/CR Report "Computerized Deep Struc-ture Indexing Systems" (Devadason, 1986) a research project entitled "Applicability and efficiency of Deep Structure Based Subject Indexing Languages (SILS): PRECIS vs.DSIS" was undertaken at DILIS, Loughbo-rough University, UK. The paper presents some of the drawbacks of the Classaurus methodology which surfaced during the study, followed by some suggestions for future improvement of the system.   (Author, abbr.)

03 Dictionaries, Terminologies

2-003   032
Bies, W.: **Book review of Sauppe, E.: Wörterbuch des Bibliotheks-wesens ... de-en, en-de.** München: Saur 1988. XX,428p. (Orig. de, en). Lebende Sprachen. Vol.35, No.1, 1990. p.40-41

2-004   032
Burger, E.: **Dictionary of Information Science.** (Orig. en,de,fr, ru). Amsterdam,NL: Elsevier Sci. 1989. 903p. 2 vols. ISBN 0-444-98904-8.
Compilation of approx.25,000 entries in English, German, French and Russian. The following fields are covered: General foundations of information science, software development, hardware, system reliability, and applica-tions of information science in industry and economics. Vol.1 contains the terms in the four languages with their codes, Vol.2 has the indexes which refer to the codes.

2-005   032
Schulze, Hans H.: **Computer-Enzyklopädie - Lexikon und Fachwörter-buch für Datenverarbeitung und Telekommunikation.** 4 Bde. (Computer Encyclopedia - a lexicon and dictionary for dataprocessing and telecommu-nication). 4 vols. (Orig. de, en). Reinbek b.Hamburg: Rowohlt 1989. ca 2900p.
Contains some 26,000 entries with their English equivalents.

2-006   036
Ferre, A.-G.: **Terminologie de l'Informatique.** A data processing termino-logy. (Orig. fr, en). Meta. Vol.33, No.3, 1988. p.427-438

04 Classification Systems and Thesauri

041 General Classification Systems and Thesauri

2-007   041, 845
Lang, R. et al.(Eds): **Canadian Thesaurus 1988: A guide to the subject headings used in the Canadian Periodical Index and CPI Online.** Thésaurus Canadien 1988. (Orig. en, fr). Toronto, Ont.: Info Globe 1988. 465p. ISBN 0-921925-04-2.
The bilingual list of over 35,000 terms covering all major subject areas and emphasizing Canadian topics reflects the contents of magazines indexed in the Canadian Periodical Index.

2-008   041
Woods, W.E.: **Manual and list of subject headings used on the Woods Cross Reference Cards. 6th ed.** (Orig. en). Evergreen Park, IL: Woods Libr.Publ. 1987. 132p. ISBN 0-912304-09-X.

2-009   041-de-56
Universitätsbibliothek Regensburg: **Aufstellungssystematik D: Pädago-gik, 5.Aufl.** (Classification Scheme D: Education, 5th ed.) (Orig. de). Re-gensburg, DE: Univ.Bibliothek 1987. 54p.

2-010   041-de-924
Universitätsbibliothek Regensburg: **Aufstellungssystematik G: Germani-stik, Niederländische Philologie, Skandinavistik. 3.Aufl.** (Classification Scheme: German philology, Dutch and Scandinavian philology, 3rd ed.) (Orig. de). Regensburg, DE: Univ.Bibliothek 1987. 336p.

2-011   041-de-66
Universitätsbibliothek Regensburg: **Aufstellungssystematik P: Rechts-wissenschaft. 6.Aufl.** (Classification Scheme P: Law. 6th ed.) (Orig. de). Regensburg, DE: Univ.Bibliothek 1987. 169p.

2-012   041-de-71/2
Universitätsbibliothek Regensburg: **Aufstellungssystematik Q: Wirt-schaftswissenschaften. 3.Aufl.** (Classification Scheme Q: Economics. 3rd ed.) (Orig. de). Regensburg, DE: Univ.Bibliothek 1987. 205p.

2-013   041-de-98,-99
Universitätbibliothek Regensburg: **Aufstellungssystematik B: Theologie und Religionswissenschaft, 4.Aufl.** (Classification Scheme B: Religion and Theology. 4th ed.) (Orig. de). Regensburg, DE: Univ.Bibliothek 1987. 287p.

2-014   041-de-94
Universitätsbibliothek Regensburg: **Aufstellungssystematik LH-LO: Kunstgeschichte. 3.Aufl.** (Classification Scheme LH-LO: History of Art, 3rd ed.) (Orig. de). Regensburg, DE: Univ.Bibliothek 1988. 432p.

2-015   041-de-93
Universitätsbibliothek Regensburg: **Aufstellungssystematik LD, LP-LX: Musikwissenschaft, 3.Aufl.** (Classification Scheme LD, LP-LX: Theory of Music, 3rd ed.) (Orig. de). Regensburg, DE: Univ.Bibliothek 1988. 227p.

2-016   041-de-26/27, 522
Universitätsbibliothek Regensburg: **Aufstellungssystematik V: Chemie und Pharmazie, 5.Aufl.** (Classification Scheme V: Chemistry and pharma-ceutics.) (Orig. de). Regensburg, DE: Univ.Bibliothek 1988. 112p.

2-017   041-de-51/4
Universitätsbibliothek Regensburg: **Aufstellungssystematik XA-YZ: Theoretische und klinische Medizin. 4.Aufl.** (Classification Scheme XA-YZ: Theoretical and clinical medicine. 4th ed.) (Orig. de). Regensburg, DE: Univ.Bibliothek 1988. 197p.

2-018   041-de-39
Universitätsbibliothek Regensburg: **Aufstellungssystematik R: Geogra-phie. 6.Aufl.** (Classification Scheme R: Geography. 6th ed.) (Orig. de). Regensburg, DE: Univ.Bibliothek 1988. 50p.

2-019   041-de-41
Universitätsbibliothek Regensburg: **Aufstellungssystematik W: Biologie und vorklinische Medizin. 3.Aufl.** (Classification Scheme W: Biology and preclinical medicine. 3rd ed.) (Orig. de). Regensburg, DE: Univ.Bibliothek 1968. 222p.

2-020   041-de-46,-47,-49
Universitätsbibliothek Regensburg: **Aufstellungssystematik ZA-ZE: Land- und Forstwirtschaft, Gartenbau, Fischereiwirtschaft, Hauswirt-schaft. 3.Aufl.** (Classification Scheme ZA-ZE: Agriculture, forestry, garde-ning, fishing, home economics. 3rd ed.) (Orig. de). Regensburg, DE: Univ.Bibliothek 1988. 67p.

043 Dewey Decimal Classsification

2-021   043.1
Trickey, K.: **Book review of Comaromi, J. et al: Dewey Decimal Classi-fication and Relative Index, devised by Melvil Dewey, 20th ed.** Albany, NY: Forest Press 1989. (Orig. en). Cat.& Index., No.95, 1990. p.7-8

2-022   043.1
Henderson, K.L.: **Book review of Comamroli, J.et al.(Eds.): Dewey Decimal Classification and Relative Index. Devised by Melvil Dewey. Ed.20.** Albany, NY: Forest Press 1989. 4 vols. (Orig. en). Cat.& Classif.Quart. 10(1990)No.4, p.105-108

2-023   043.1
Sweeney, R.: **Dewey Decimal Classification - Edition 20.** (Orig. en). Outlook on Research Libraries. Vol.11, No.6, 1989. p.4-9

44 Library of Congress Classification

2-024   044.6-667
Derham, L.D.(Comp.): **Library of Congress Classification Class KDZ, KG-KH: Law of the Americas, Latin America and the West Indies.** Cumulative Schedule and Index. (Orig. en). Littleton, CO: Rothman 1988. 6642p. ISBN 0-8377-0127-9.

2-025   044.6-921
Burgess, M.: **Mystery and dectective fiction in the Library of Congress Classification Scheme.** (Orig. en). San Bernardino, CA: Borgo Press 1987. 184p. ISBN 0-89370-818-6.

2-026   044.6-921
Burgess, M.: **A guide to science fiction and fantasy in the Library of Congress Classification Scheme. 2nd ed.** (Orig. en). San Bernardino, CA: Borgo Press 1988. 168p. ISBN 0-89370-827-5.

0448 Library of Congress Subject Headings

2-027   0448-519
Dickstein, R.: Mills, V.A., Waite, E.J.: **Women in LC's terms: A thesaurus of Library of Congress Subject Headings relating to women.** (Orig. en). Phoenix, AZ: Oryx Press 1988. 221p. ISBN 0-89774-444-6.

2-028   0448-93
Bratcher, P.: Smith, Jennifer (Comps): **Music subject headings.** (Orig. en). Lake Crystal, MN: Soldier Creek P 1988. 323p. ISBN 0-936996-31-5.

048- Special Classification Systems and Thesauri

2-029   048-33,-36
Shimomura, R.H. (Ed): **GeoRef thesaurus and guide to indexing.** (Orig. en). Alexandria, VA: Amer.Geolog.Inst. 1989. 744p. ISBN 0-913312-98-3.

2-030   048-519
Leduc, S.: **Réalisation d'un thésaurus multilingue espagnol-francais aur le Droits des femmes.** Establishment of a multilingual thesaurus on Female rights. (Orig. fr, es). Paris: Inst.Natl.des Techniques de la Documentation 1989. 63p.

2-031   048-519
Szpakowska, J.-K.: **Jeunes gens: thésaurus.** Essai de systématisation des connaissances spécifiques de la classe d'age 13-25 ans. (Young people thesaurus. Attempt at systematizing the special knowledge of the 13-25 years old). (Orig. fr). Montréal, Qué.: Univ.de Montréal 1988. 679p.

2-032   048-538
Bertrand-Baschwitz,, Vanderveken, M.: **Thesaurus specialisé dans le traitement de la documentation des infections HIV et du SIDA.** (Thesaurus for documentation of literature on HIV infections and AIDS.) (Orig. fr). Bruxelles, BE 1988. 90p.

2-033   048-56
Ministère de l'Education National, Centre National de Documentation Pédagogique: **Thésaurus MOTBIS. 3 vols.** (Orig. fr). Paris: CNDP 1990. 868p.
The hierarchically organized thesaurus comprises 10,781 entries of which its 9,270 descriptors are arranged in 156 semantic fields.

2-034   048-822
Swan Hill, J.: **Book review of: Binding Terms: A thesaurus for use in rare book and special collections cataloguing.** Chicago 1988 and **Provenance Evidence:** Thesaurus for use in rare book and special collections cataloging. Chicago: Amer.Libr.Assoc. 1988. (Orig. en). Libr.& Inform.Sci.Annual. Vol.5 1989. 90-91
The two thesauri are reviewed together.

2-035   048-823
James, St.: **Book review of: Peniston, S., Graham, T.: Thesaurus of Information technology terms.** London 1989. 410 p. (Orig. en). Library Review. Vol.38, No.4, 1989. p.60

2-036   048-824
Direction des Archives de France: **Thesaurus W: Vocabulaires normalisés pour la description et l'indexation des archives administratives locales contemporaines. 2nd ed.** Thesaurus W: standardized vocabulary for the description and indexing of contemporary local administrative archives. (Orig. fr). Paris: Dir.Arch.France 1989. 249p. ISBN 2-86000-165-4.

2-037   048-918
Verdooth, A.: **The written languages of the world: A survey of the degree and modes of use. Vol.3: Europe Occidentale/Western Europe.** (Orig. en, fr). Sainte-Foy, Canada: Presses de l'Université Laval 1990. 672p. ISBN 2-7637-7222-6.

2-038   048-984
Elazar, D.H.: Elazar, D.J.: **A classification system for libraries of Judaica. 2nd ed.** (Orig. en). Jerusalem/Lanham,MD: University Press of America 1988. 214p. ISBN 0-8191-6583-2.

05 Periodicals and Serials

2-039   056.757
Expert Systems for Information Management. (Orig. en). Vol.1, No.1, London: Taylor Graham 1989.
The journal will provide a forum for the exchange of information relating to the theory and application of expert system technology to information processing and provision of the field of information science, business, the natural and social sciences, and the arts and humanities. Its scope includes expert systems; intelligent front ends; expertise directories; credit sanctioning; auditing; patent surveillance; resource allocation; stock control; natural language interfaces; records management; information retrieval; office automation; portfolio management; business intelligence; legal and regulatory advisory systems; network management.
Editor: Forbes Gibb. Publisher: Taylor Graham, 500 Chesham House, 10 Regent Street, London W1 R5FA, U.K. In the USA: Suite 187, 12021 Wilshire Boulevard, Los Angeles.
The following articles have some bearing on our field of interest:
2-040 Quirchmayr, G.: **Representing legal knowledge in information systems.** p.43-50
2-041 Zarri, G.P.: **Knowledge acquisition for large knowledge bases using natural language analysis technique.** p.85-109
2-042 Black, W.J.:Johnson, F.C.: **A practical evaluation of two rule-based automatic abstracting techniques.** p.159-177
2-043 Neale, I.M.: Morris, A.: **Knowledge acquisition for expert systems: a brief review.** p.178-192
2-044 Yannakoudakis, E.J.: Ayres, F.H., Hugill, J.A.W.: **An expert system for quality control in cataloguing and document identification.** p.120-139

2-045   057
UNITARIO. (Orig. de). Vol.1, No.1, Bensheim, DE: Unitario Press 1990.
In order to promote the new universal language UNITARIO, this first number gives an idea of what it is all about: Unitario is "a synthesis of three ideas: 1) the terminology key of Eugen Wüster, 2) the universal language Interlingua (based on Italian), and 3) the Esperanto of Ludwig Lazarus Samenhof". Unitario is meant as a universal language developed only for use in scientific communication. There is a European Center for the Promotion of Unitario at D-6140 Bensheim, P.O.B.1825. An introductory text is available there also: (Mario Pleyer: Unitario - Entwurf einer Universalsprache. Bensheim: Unitario Press 1989. 288p., DM44.-, ISBN 3-9802167-1-3). Unitario's grammar is available for DM2.- from the address above.

06 Conference Reports. Proceedings

2-046   06.88-03-17/19
Beck, H.: **Book review of Wille, R. (Ed.: Klassifikation und Ordnung.** Tagungsband 12.Jahrestagg.d.Ges.f.Klassif.eV, Darmstadt, 17.-19.3.1988. Frankfurt: Indeks Verl.1989. XII,396p. = Stud.z.Klassif.Bd.19. (Orig. de). Zbl.Bibl.wes.Vol.104, No.5, 1990. p.231-235

2-047   06.88-05-13
Vickers,J.A.: **Book review of: Weinberg, B.H.(Ed.): Indexing: the state of our knowledge and the state of our Ignorance.** Proc.20th Annual Meeting Amer.Soc.Indexers, New York City, May 13, 1988. Medford, NJ: Learned Inform.1989. X,13p. (Orig. en). Indexer. Vol.17, No.1, p.71

2-048   06.88-05-13
Fugmann, R.: **Book review of Weinberg, B.H.(Ed.): Indexing - The State of the art and the state of our Ignorance.** Medford, NJ: Learned Inform.1989. 134p. (Orig. en). Int.Classif. Vol.17, No.1, 1990. p.37-40

2-049   06.88-06-28/30
Rust, A.: **Wissenschaftliche Konferenz Fachtexte, Deskriptionsmodelle und sprachliche Mittel, Brandenburg, DDR, 28.-30. Juni 1988.** (Scientific conference on special subject texts, description models and verbal tools, Brandenburg, GDR, 28-30 June 1988). (Orig. de). Special Language - Fachsprache. Vol.11, No.1-2, 1989. p.71-73

2-050   06.88-09-12/15; 651/4
Scherrer, J.R. et al: **Computerized natural medical language processing for knowledge representation.** Proc.IFIP-IMIA WG6 Intern.Working Conf.on Computerized Natural Medical Language Processing for Knowledge Representation, Geneva, 12-15 Sept.1988. (Orig. en). Amsterdam, NL: North-Holland 1989. 296p. ISBN 0-444-87356-2.

2-051   06.88-11-18/19; 43.06
Dack, D.: **Australian attends conference on Dewey.** (Orig. en). Cataloguing Australia. Vol.15, No.1, 1989. p.20-26, 1 ref.

2-052   06.89-10-2/4, 42.06
UDC Seminar. (Orig. en). Int.Classif. Vol.17, No.1, 1990. p.29

2-053   06.89-10-5/6
Heiner-Freiling, M.: **Colloquy on the DB Standard Subject File.** (Orig. en). Int.Classif. Vol.17, 1990, No.1 Int.Classif.p.27-28.

2-054   06.89-12-18/21
Mater, E.: **From Data Processing to Knowledge Management.** Report on Topical Area 1 of the 16th International Colloquy at Erfurt, GDR, 1989. (Orig. en). Int.Classif. Vol.17, No.1, 1990. p.28-29

2-055   06.90-08-14/17
Tools for Knowledge Organization and the Human Interface. Darmstadt, 14-17 Aug.1990. Program of the Conference. (Orig. en). Int.Classif. Vol.17, No.1, 1990. p.31-33

07 Text Books (whole field)

2-056   07.3
Beck, H.: **Book review of Buchanan, B.: Bibliothekarische Klassifikationstheorie.** Übers.(aus dem Engl.) von U.Reimer-Böhner, München, etc.: Saur 1989. 151p. (Orig. de). Zbl.Bibl.wes. Vol.104, No.5, 1990. p.235-237

2-057   07.3
Cochrane, P.A.: **Book review of Hunter, E.J.: Classification made simple. Brookfield, Vt.: Gower Publ.1988. 115p..** (Orig. en). Libr.& Inform.Sci.Annual. Vol.5, 1989. p.87

2-058   07.3
Laresse, E.: **Guide du classement dans l'entreprise.**(Classification guide in the enterprise.) (Orig. fr). Paris: Ed.d'Organisat. 1988. 173p. ISBN 2-7081-0952-9.

08 Other Monographs

2-059   08.75
Willett, P. (Ed.): **Document retrieval systems.** (Orig. en). London: Taylor Graham 1988. 292p. ISBN 0-947568-21-2.
The volume contains 16 readings - partly of historic interest - among which the following:
2-060 Cleverdon, C.: **Optimizing convenient online access to bibliographic databases.** p.32-41
2-061 Salton, G.: **Automatic indexing and abstracting.** p.42-80
2-062 Harter, St.P.: **Statistical approaches to automatic indexing.** p.81-98
2-063 Lennon, M., Peirce, D.S., Tarry, B.D., Willett, P.: **An evaluation of some conflation algorithms for information retrieval.** p.99-105
2-064 Walker, St.: **Improving subject access painlessly: recent work on the OKAPI online catalogue projects.** p.113-123
2-065 Sparck Jones, K.: **A statistical interpretation of term specificity and its application in retrieval.** p.132-142
2-066 Croft, W.B.: Harper, D.J.: **Using probabilistic models of document retrieval without relevance information.** p.161-171
2-067 Berstein, L., Williamson, R.E.: **Testing of a natural language retrieval system for a full text knowledge base.** p.250-292
2-068 Frakes, W.B.: **Term conflation for information retrieval.** p.106-112
2-069 Porter, M., Galpin, V.: **Relevance feedback in a public access catalogue for a research library: MUSCAT at the Scott Polar Institute.** p.172-191
2-070 Salton, G., McGill, M.J.: **The SMART and SIRE experimental retrie-**

val systems. p.193-229
2-071 Brzozowski, J.P.: **MASQUERADE: searching the full text of abstracts using automatic indexing.** p.230-236
2-072 Doszkocs, T.E.: **CITE MLM: Natural-language searching in an online catalog.** p.263-279.
See also below under 2-126 and 2-151

2-073   08.751
Smith, Linda C.(Ed.): **Questions and answers: Strategies for using the electronic reference collection.** Papers presented at the 1987 Clinic on Library Applications of Data Processing, April 5-7, 1987. (Orig. en). Urbana-Champaign, IL: University of Illinois, Graduate School of Library and Information Science 1989. 208p.
The volume contains 15 papers from the "Clinic" and from a preconference session with an introduction by Linda Smith.
2-074 Creth, Sh.D.: **Beyond technical issues: The impact of automation on library organizations.** p.4-13
2-075 Hildreth, Ch.R.: **Extending the access and reference service capabilities on the online public access catalog.** p.14-33
2-076 Roth, D.L.: **Extending the online catalog.** p.34-37
2-077 Baker, Betsy: **Reference services and the networks: some reflections on integration.** p.38-54
2-078 Diodato, V.: **Online ready reference in academic libraries: current practices and a review of planning issues.** p.55-70
2-079 Anderson, Ch.R.: **Online ready reference in the public library.** p.71-84
2-080 Rothenberg, D., Spencer, M.: **Full-text databases: Implications for libraries.** p.85-93
2-081 Noreault, T.: **Optical publishing: Effects on reference services.** p.94-102
2-082 Harter, St.P.: **Online searching as ak problem-solving process.** p.103-120
2-083 Meadow, Ch.T.: **Tailoring system design to users.** p.121-131
2-084 Woodard, B.S.: **Strategies for providing public service with an online catalog.** p.132-143
2-085 Clark, Sh.: **The online catalog: beyond a local reference tool.** p.144-152
2-086 Watson, P.D.: **University of Illinois Library Catalog on CD-ROM: Impact on resource sharing and reference work.** p.153-176
2-087 Clark, B.M., Bingham, K.H.: **The new CD-ROM technology: shaping the future of reference and information research.** p.177-187
2-088 Mischo, W.H.: **An end user search service with customized interface software.** p.188-204

09 Standards, Guidelines

2-089   09.853
British Standard Recommendation for Preparing Indexes to Books, Periodicals, and other Documents. (Orig. en). London: Brit.Stand.Inst. 1988. 17p. BS 3700:1988.

2-090   09.268
US MARC Code List for Languages. (Orig. en). Washington, DC: Libr.Congr.Cataloging Distribution Service 1989.
This list was designed to be used with the US MARC Format for Bibliographic Data.

1 Theoretical Foundations

12 Conceptology in Classification

2-091   121; 757
Bestougeff, H., Ligozat, G.: **Plausible reasoning in expert systems.** (Orig. en). In: Expert Syst.: Theory and Appl.: IASTED Int.Conf., Geneva, 16-18 June 1987: Proc. Anaheim, CA 1987. p.116-219, 8 refs.

124 Knowledge Representation

See also 2-040

2-092   124
Aguirre, J.L.: **A taxonomic contruction system based on an object-centered knowledge representation.** (Orig. en). In: Expert Syst.: Theory and Appl.: IASTED Int.Conf., GENEVA, 16-18 June 1987: Proc..Anaheim, CA 1987. p.22-224, 13 refs.

2-093   124
Font, J.-M.: **Les graphes de concept.** (The graphs of the concept.) (Orig.fr). Bull.du CID., No.34-35, 1989. p.111-116

2-094   128-821
Marioth, H.: **Book review of Folberth, O.G., Hackl, C.: Der Informations-begriff in Technik und Wissenschaft. München-Wien: Oldenbourg 1986. 298p.** (The information concept in technology and science. (Orig. de). Mitt.bl.Bibl.NRW. Vol.39, No.3, 1989. p.374-376

13 Mathematics in Classification

2-095   132
Baumann, E.V.: **Fuzzy classification methods (a variational approach).** (Orig.en). Automation & Remote Control. Vol.49, No.12, 2, 1989. p.1650-61, 13 refs.

15 Psychology and Classification

2-096   151
Benediktsson, D.: **Hermeneutics: Dimensions toward LIS thinking.** (Orig. en). Libr.& Inform.Sci.Res. Vol.11, No.3, 1989. p.201-234, 33 refs.

156 Knowledge Acquisition
See also 2-041, 2-043

2-097   156
Di Manzot, M., Ricci, F., Batistoni, A., Ferrari, C., Trucco, E.: **Embedding functional knowledge in an actor network.** (Orig. en). In: Expert Syst.: Theory and Appl.: IASTED Int.Conf., Geneva, 16-18 June 1987: Proc. Anaheim, CA 1987. p.167-169, 7 refs.

2-098   156
Karbach, W.: **Modellbasierte Wissensacquisition.** (Model-based knowledge acquisition). (Orig. de) Künstl.Intelligenz. No.4, 1989. p.13
Explication of the concept cited in the title.

2-099   156
Laske, O.: **Ungelöste Probleme bei der Wissensacquisition für wissens-basierte Systeme.** (Unsolved problems of knowledge acquisition for knowledge-based systems). (Orig. de). Künstl.Intelligenz., No.4, 1989. p.4-12, 11 refs.
Three perspectives of the establishment of knowledge-based systems are presented, starting out with rapid prototyping to reach the maintaining of a knowledge management point of view. Difficulties in knowledge acquisition for KBS are examined in the light of epistemology. Next to purely technical solutions, such a hypermedia systems, management solutions are discussed, which presuppose a rethinking of KBS.

2-100   156
Legrand, J.: **Contribution to the achievement of a syntax in knowledge engineering.** (Orig. en). In: Expert Syst.: Theory and Appl.: IASTED Int.Conf., Geneva, June 16-18, 1987. Anaheim, CA 1987. p.45-49, 33 refs.

2-101   156
Shaw, M.L.G., Gaines, B.R.: **Comparing conceptual structures: consensus, conflict, correspondence and contrast.** (Orig. en). Knowledge Acquisition. Vol.1, 1989. p.341-363, 21 refs.

2-102   156
Soda, G.: **A flexible editor for knowledge acquisition.** (Orig. en). In: ExpertSyst.: Theory and Appl.: IASTED Int.Conf., Geneva, 16-18 June 1987: Proc..Anaheim, CA: 1987. p.135-139, 8 refs.

2-103   156
Comtesse, X.: Boder, A.: **Un modèle d'acquisition connaissances basé aur le rôle organisateur des schèmes.** (A knowledge acquisition model based on the organising role of schemes). (Orig. fr). In: Expert Syst.: Theory and Appl.: IASTED Int.Conf., Geneva, 16-18 June 1987: Proc.Anaheim, CA 1987. p.140-143, 9 refs.

16 Development of Science and Classification

2-104   161
Il'in, V.V.: **Scientific knowledge criteria.** (Orig. ru). Moskva: Vyssh.shk. 1989?, 128 p.

2-105   1627
Jakowlewitsch, D.: **Über eine unzulängliche Auffassung dar methodologischen Einheit der Wissenschaft und ihre unbefriedigende Verteidigung.** (On an inadequate interpretation of the methodological unity of science and its dissatisfying defense). (Orig. de). Conceptus. Vol.24, No.61, 1990. p.1-103

Reply to a discussion published by A.Bühler and the author in Conceptus 23(1989)No.59, p.91-98 and 99-102.

2-106   164
Bunlyatov, A.R.: **On the correlation of the historical and the logical in the development of science.** (Orig. ru). Baku: ELM 1988. 141p.

17 Problems in Classification
See also 2-140

2-107   177
Salomon, K.: **The impact of CD-ROM on reference departments.** (Orig. en). RQ. Vol.28, No.2, 1988. p.203-215
Results of a nationwide survey to reference chairpersons in 150 US academic libraries.

2-108   177
Woodward, T.: **Information retrieval using micros.** (Orig. en). Aslib Proc. Vol.41, No.4, 1989. p.157-162
Among the "exciting" developments of microcomputers - considering the increasing power and flexibility of their IR packages - are also their use of authority files and thesauri, browsability of indexes, more flexible outputs and their integration with RDBMS and SQL. Prospects in particular towards hypertext systems are outlined.

19 History of Classification

2-108a   191
Innocenti, P.: **Notes concerning the history of classification.** (Orig.it). L'Indicizzazione 4(1989)No.1, p.47-63, 17 refs.
Considers the results of the conference held in Ottawa in 1971 in the light of the search for a synthesis of philosophical principles with those relevant to library science. Offers and evaluates several examples of empirical classification taken from ancient catalogues.   (Author, abbr.)

2-109   194; 485
Ochmanska, A.: **Changes in O.Hartwig's classification in the university libraries of Halle, GDR, and Poznan, Poland.** (Orig. pl). Bibliotekarz. Vol.55, No.12, 1988. p.3-6, 12 refs.

2-110   198-825, 43
Lamonde, Y.: **A universal classification for the study of nineteenth century libraries and booksellers.** (Orig. en). Libraries & Culture. Vol.24, No.2, 1989. p.158-197, 17 refs.

2 Structure and Construction of CS and T

21 General Questions of CS and T

See also 2-002

2-111   214; 761
Buchan, R.L.: **Intertwining thesauri and dictionaries.** (Orig. en). Inform.Services & Use. Vol.9, No.3, 1989. p.171-175

22 Elements of CS and T

See also 2-218

2-112   224
Bara, I.: **Problems of modelling and terminological control in documentary information retrieval systems.** A reexamination of the thesaurus concept. (Orig. en). Probl.Inform.sl Doc. Vol.23, No.3, 1989. p.101-105, 6 refs.

2-113   225; 745
Iyer, H.: **Natural language representation: Transformational rules.** (Orig. en). Int.Classif.Vol.17, No.1, 1990. p.9-13, 9 refs.

2-114   225; 6761
Horvathné, Z.: **A faceted classification system in the library of the Polytechnic for Industrial Design.** (Orig. hu). Könyvtari Figyelő. Vol.35, No.1, 1989. p.52-64

2-115 226
Risko, A.: **Linguistic interpretation of subject headings.** (Orig. sk). Kniz.a ved. Inform. Vol.21, No.3, 1989. p.99-103, 6 refs.

23 Construction of CS and T

2-116 234
Mamede, H.C.A., Sérgio, D.F.: **Relevant aspects in designing languages to access bibliographic databases.** (Orig. pt). Cienc.Inform.. Vol.17, No.2, 1988. p.119-121, 7 refs.

2-117 235
Bielicka, L.A.: **Thesaurus construction:method and organisation.** (Orig. pl). Cent.Inform.nauk.techn.i ekon. No.67, 1988. p.1-69

2-118 235
Svenonius, E.: **Design of controlled vocabularies in the context of emerging technologies.** (Orig. en). Libr.Sci.Slant Doc. Vol.25, No.4, 1988. p.215-227, 12 refs.

2-119 236
Rees-Potter, L.K.: **Dynamic thesaural systems: a bibliometric study of terminological and conceptual change in sociology and economics.** with application to the design of dynamic thesaural systems. Information Processing and Management 25(1989)No.6, p.677-692, 29 refs.
The study investigates a mechanism by which thesauri can be updated and maintained using citation analysis, co-citation analysis and citation context analysis. Data in twenty-six specialty areas in economics and sociology were used. Experts in these disciplines conclude that the terms used were appropriate for describing the specialty areas. (Author)

2-120 237; 44.8
Lazinger, S.S.: **Producing an LCSH authority list for special libraries with dBase.** (Orig. en). Electronic Libr. Vol.8, No.1, 1990. p.8-14

2-121 237, 651/4
Bellamy, L.M.: **Thesaurus development for subject cataloging.** (Orig. en). Spec.Libr. Vol.80, No.1, 1989. p.9-15, 28 refs.

24 Relationships

2-122 241
Johansen, Th.: **Methods of subject-structure display.** (Orig. en). Int.Classif. Vol.17, No.1, 1990. p.2-7, 8 refs.

2-123 241; 723;255
Kozlova, I.V.: **A probabilistic-statistical model of index terms' semantic relations in a problem-oriented database.** (Orig. en). Avtomatiz.Inform.bibl.protsessov v vyssh.shk. Moskva, SU 1989. p.41-46, 5 refs.

2-124 242; 753
Lu, Xin: **Document retrieval: a structural approach.** (Orig. en).Inform.Process.& Management. Vol.26,No.2, 1990. p.209-218, 18 refs.
In the model described, documents and query statements are structurally coded in order to take into account any hierarchy or ordering among the conceptual coordinates and are structurally matched by using the algorithm that cannot be expressed in a form of equation. (Author, abbr.)

2-125 243
Chowdhury, G.G.: Mahapatra, M.: **Applicatioons of the Theory of Relational Analysis in information retrieval.** (Orig. em). J.Libr.& Inform.Sci. Vol.14, No.1, 1989. p.1-12, 23 refs.
Compared to earlier application fields of Farradane's Theory of Relational Analysis, five new areas of research on relational indexing are suggested, i.e. compilation of a detailed manual, wide application in scientific, social science, and humanities subject literature, study of the nature of subject literature, comparative efficiency of relationat indexing, and compilation of a relational thesaurus. (Authors)

2-126 246
Robertson, S.E., SparckJones, K.: **Relevance weighting of search terms.** (Orig. en). Document Retrieval Systems.London, GB: Taylor Graham 1988. p.143-160, 21 refs.

2-127 247
Coussouiet, J.-P.: **Conception et réalisation d'un système relationnel documentaire: Campus-Doc.** (Conception and establishment of a relational documentation system: Campus-Doc). (Orig. fr). Nice, FR: Univ.d.Sciences 1988. Th.3ieme cycle: Informatique.

2-128 247
Gamal-Eldin, M.S.: Gomer, Th., Ramez, E.: **Integrating relational databases with support for updates.** (Orig. en). In: Int. Symp. Database and Distribution System, Austin, TX, Dec.5-7, 1988: Proc. Washington, DC 1988. p.202-209, 20 refs.

25 Numerical Taxonomy

See also 2-123

2-129 253
Broder, A.J.: **Strategies for efficient incremental nearest neighbor search.** (Orig. en). Pattern Recognition. Vol.23, No.1/2, 1990. p.171-178, 7 refs.

2-130 253
Huang, J.S., Shieh, W.R.: **A heuristic method for separating clusters form noisy background.** (Orig. en). Pattern Recognition Vol.23, No.1/2, 1990. p.147-157, 12 refs.

1-131 253
Shiaw-Dong, D.L., Casasent, D.P.: **Iterative Fisher/Minimum-Variance optical classifier.** (Orig. en). Pattern Recognition Vol.23, No.3/4, 1990. p.385-391, 21 refs.

2-132 255
Lenz, R.: **Group invariant pattern recognition.** (Orig. en). Pattern Recognition. Vol.23, No.1/2, 1990. p.199-217, 22 refs.

2-133 255
Carman, C.S., Merlckel, M.B.: **Supervising isodata with an information theoretic stopping rule.** (Orig. en). Pattern Recognition. Vol.23, No.1/2, 1990. p.185-197, 17 refs.

2-134 255
Pedrycz, W.: **Fuzzy sets in pattern recognition: methodology and methods.** (Orig. en). Pattern Recognition. Vol.23, No.1/2, 1990. p.121-146, 85 refs.

26 Notation. Codes

2-135 265
Satija, M.P., Agrawal, S.P.: **Book numbers: some Indian methods.** (Orig. en). New Delhi:Concept Publ. 1990. 96p. Concepts in Communication N.6.

2-136 267
Liu, Songqiao: **Online classification notation: Proposal for a Flexible Faceted Notation System (FFNS).** (Orig. en). Int.Classif. Vol.17, No.1, 1990. p.14-20, 16 refs.

28 Compatibility and Concordance between Indexing Languages

See also 2-202

2-137 284
Králova, A.: **Experiments in the use of the Balex databases of developing concordances between indexing languages.** (Orig. cz). Kniz.a ved.Inform. Vol.21, No.3, 1989. p.104-108, 6 refs.

29 Evaluation of CS and T

2-138 298
Kishida, K., Mushakoji, S., Matsuyama, N., Higuchi, K. etal: **A comparative evaluation of thesauri: performance of 'presentation of a body of knowledge'.** (Orig. ja). Joho no Kagaku to Gijutsu. Vol.38, No.10, 1988. p.565-572, 14 refs.

3 Classing and Indexing

31 Theory of Classing and Indexing

See also 2-047, -048,-056, -057, -058, -347

2-139 311
Goncharuk, E.D., Kondrat'ev, I.A.: **Quality control in information retrieval systeme: monitoring document indexing.** (Orig. ru). Nauchno-tekhn.Inform.,Ser.2., No.11, 1986. p.17-19, 3 refs.

2-140 311.173
Ramalah, L.S.: **Indexing witch-hunt and the failure of language.** (Orig. en). IASLIC Bull. Vol.32, No.3, 1987. p.99-103, 13 refs.

2-141 313
Bies, W.: **Book review of Richter, Noe: Grammaire de l'indexation alphabétique (grammar for alphabetical indexing).** Le Mans: Bibliothèque de l'Université du Maine 1985. 4th ed. 155p. (Orig. em). Int.Classif. Vol.17, No.1, 1990. p.40-42, 2 refs.

2-142 313
Lindtner, I.: **Vor- und Nachtelle beim indexieren mit informationsrecher-cheaprachen vom Klassifikationstyp im Hinblick auf ihre Anwendung in der DDR.** (Advantages and disadvantages of indexing with classification systems with respect to their application in the GDR). (Orig. de). Berlin, DD: Humboldt-Univ. 1988. 159p. Dissertation.
Description of contents in Zbl.Bibl.wesen 104(1990)No.5, p.227

2-143 313; 723
Rapp, R.: Wettler, M.: **Simulation der Suchwortgenerierung im Informatiloin Retrieval durch Propagierung in einem konnektionistischen Wortnetz.** (Simulation of search term generation in information retrieval by propagation in a connectionist lexical net). (Orig. de). Nachr.Dok. Vol.41, No.1, 1990. p.27-32, 9 refs.

32 Subject Analysis

2-144 324; 733
Schwarz, Ch.: **Content based text handling.** (Orig. en). Inform.Process.& Management. Vol.26, No.2, 1990. p.219-226, 10 refs.
Research and development in the field of AI techniques application to natural language processing at the Siemens Corporate Research Laboratories are described.

2-145 326
Fedoseeva, T.V.: **Applying classificatory techniques to the description of an objectographic database subject domain.** (Orig. ru). Mezhotrasl.inform.sluzhba., No.2, 1989. p.20-22, 6 refs.

2-146 326; 753
MacLeod, I.A.: **Storage and retrieval of structured documents.** (Orig. en). Inform.Process.& Management. Vol.26, No.2, 1990. p.197-208, 22 refs.

2-147 326
Palce, C.D.: **Constructing literature abstracts by computer: techniques and prospects.** (Orig. en). Inform. Process. & Management. Vol.26, No.1, 1990. p.171-186, 52 refs.

2-148 326
Takahiro, A.: Kazuteru, D., Yuuji, S. et al: **A study of a retrieval system for technical papers using document structures.** (Orig. ja). Kogakuin daigaku kenkyu hokoku, No.66, 1989. p.216-220, 17 refs.

2-149 328-66
Rhodes, S.: **Understanding legal language: a pragmatic approach.** (Orig. en). In: IPCC'88: Int.Prof.Commun.Conf., Seattle, Wash., Oct.5-7, 1988: Conf.Rec.New York 1988. p.313-317, 11 refs.

33 Classing and Indexing Techniques

2-150 337; 752
Dykstra, M.: **PRECIS in the online catalog.** (Orig. en). Cat.& Classif.Quart. Vol.10, No.1/2, 1989. p.81-94, 7 refs.

34 Automatic Classing and Indexing

See also 2-061, -062, -065, -066, -068, -070, -071, -336

2-151 341
Perry, S.A., Willett, P.: **A review of the use of inverted files for best match searching in information retrieval systems.** (Orig. em). In: Document Retrieval Systems. London: Taylor Graham 1988. p.124-131, 28 refs.

2-152 342
Biru, T., El-Hamdouchi, A., Rees, R.S., Willett, P.: **Inclusion of relevance information in the term discrimination model.** (Orig. en). J.Doc. Vol.45, No.2, 1989. p.85-109, 22 refs.

2-153 342
Nelson, M.J.: **Stochastic models for the distribution of index terms.** (Orig. en). J.Doc. Vol.45, No.3, 1989. p.227-237, 25 refs.

2-154 342
Srinivasan, P.: **A comparison of two-poisson, inverse document frequency and discrimination value models of document representation.** (Orig. en). Inform.Process.& Management. Vol.26, No.2, 1990. p.269-278, 13 refs.

2-156 343
Jones, L.P., Bessonet, C.de, Sukhamay, K.: **ALLOY: an amalgamation of expert, linguistic, and statistical indexing methods.** (Orig. en). In: 11th Int.Conf.Res.& Dev.Inform.Retrieval, Grenoble, 13-15 June 1988. Grenoble, FR 1988. p.191-199, 13 refs.

2-157 3435
Kimoto, H.: Nagata, M., Kawai, A.: **Automatic indexing system for Japanese text.** (Orig. en). Rev. Electr. Commun. Lab. (Japan). Vol.37, No.1, 1989. p.51-56

2-158 345
Fagan, J.L.: **The effectiveness of a nonsyntactic approach to automatic phrase indexing for document retrieval.** (Orig. en). J.Amer.Soc.Inform.Sci. Vol.40, No.2, 1989. p.115-132, 43 refs.

2-159 345
Scott, St.: **Keywords and Dewey: the belt-and-braces approach to information in Moray House A V Resource Centre.** (Orig. en). Audiovisual Librn. Vol.15, No.1, 1989. p.42-44

2-160 346
Panevová, M.: **PASSAT indexing language.** (Orig. cs). Cs.inform. Vol.31, No.4, 1989. p.102-105, 6 refs.

2-161 347; 751
Bates, M.J.: **Rethinking subject cataloging in the online environment.** (Orig. en). Library Resources & Techn.Serv. Vol.33, No.4, 1989. p.400-412, 19 refs.
The design of a "superthesaurus", as part of a friendly front-end user interface is described. Such a thesaurus is geared to the needs of users rather than indexers and incorporates the findings of recent research on the patterns of subject description by searchers. Its design also reflects the different demands of online searching as opposed to manual searching. (Author, abbr.)

2-162 348
Fox, E.A., Nunn, G.L., Lee Whay, C.: **Coefficients for combining concept classes in a collection.** (Orig. en). In: 11th Int.Conf.Res.& Dev.Inform.Retrieval, Grenoble, 13-15 June 1988. Grenoble, FR 1988. p.291-307, 37 refs.

35 Manual and Automatic Ordering Techniques

See also 2-192

2-163 351
Fidel, R.: **Organizing, indexing and retrieving information.** (Orig. en). School Libr.Media Quart. Vol.17, No.4, 1989. p.206-209

356 Hypermedia

2-164 356
Onodera, N.: **Hypertext: computerized organisation of knowledge.** (Orig. ja). Joho kanri. Vol.31, No.11, 1989. p.961-977, 12 refs.

2-165 356, 752
Kinnell, S.K., Richards, T.: **An online interface within a hypertext system: Project Jefferson's electronic notebook.** (Orig. en). Online Vol.13, No.4, 1989. p.33-38

2-166 356
Plaisant-Swenn, K.: **L'interface utilisateur d'un système Hypermedia: l'exemple d'Hyperties.** (The user interface of a hypermedia system: an example of Hyperties). (Orig.fr) Bull du CID 1989, No.34-35, p.99-104.

2-167 356
Shimamura, T.: **Indexing and filing order: access points to the titles of Japanese periodicals.** (Orig. ja). Biblos (Japan). Vol.38, No.11, 1987. p.19-25, 4 refs.

2-168 356
Weidenfeld, G.: **Quelques exemples d'utilisations d'hypertextes.** (Some examples of hypertext application). (Orig. fr). Bull.du CID, No.34-35, 1989. p.105-109

357 Document Structuring

2-169 357
André, J.: **Reconnaissance de la structure logique des documents.** (Recognition of the document's logical structure). (Orig. fr). Bull.du CID., No.34-35, 1989. p.47-52, 7 refs.

2-170 357
Surleau, L.: **Structure des documents: standard ODA.** (The structure of documents: the ODA standard) (Office Document Architecture). (Orig. fr). Bull.du CID, No.34-35, 1989. p.7-13

2-171 357
Tazi, S.: **Reconnaissance de la structure textuelle des documents.** (Recognition of the textual structure of documents). (Orig. fr). Bull. du CID., No.34-35, 1989. p.37-45, 11 refs.

38 Index Generation and Programmes

2-172 382
Li, Wei: **Design of index to reference tools.** (Orig. ch). Tushu Qingbao Gonzuo., No.4, 1987. p.26-27

2-173 382; 388-51/4
Van Liew, H.D., Gordich, M.J., Wen, N.-T., Sung, P.-F.: **Using MEDLINE and a personal computer to generate a cumulative index for a journal.** (Orig. en). Serials Review. Vol.15, No.1, 1989. p.27-34

2-174 383
Mittal, R.: **Creation of subject index to NUCSSI database with CDS/ISIS package.** (Orig. en). Annals Libr.Sci.& Doc. Vol.36, No.1-2, 1989. p.52-62, 3 refs.

2-175 383
Schmidt, J.M., Wilson, J.S.: **Out of the shoebox: publishing a regional periodical index using a microcomputer.** (Orig. en). Reference Services Review. Vol.16, No.4, 1988. p.13-20, 7 refs.

2-176 383
Shuichi, U.: **Index construction, indexing and the thesaurus.** (Orig. ja). Joho no kagaku to gijutsu. Vol.38, No.11, 1988. p.637-643, 8 refs.

2-177 386
Ngah, Zainab Awang: **The Malaysiana Conference Collection on CDS/ISIS: the second phase.** (Orig. en). Kekal Abadi. Vol.7, No.4, 1988. p.6-15

2-178 387
Williams, D.E.: **Concept Finder.** (Orig. en). Techn.Services Quart. Vol.6, No.2, 1988. p.74-77

2-179 387
Meiss, B.: **Thesaurus, integriert, online und dynamisch.** Neues Arbeiten mit DOMESTIC. (Thesaurus, integrated, online and dynamical. A new kind of work with the DOMESTIC software). (Orig. de). München, DE: KTS Inform.Syst. 1989. 103p. ISBN 3-9801407-3-3.

2-180 387
Ritzler, C.: **Vergleichende Untersuchung von PC-Thesaurusprogrammen.** (Comparative studies of PC thesaurus programs). (Orig. de). Darmstadt, DE: Fachhochschule. Fachbereich Information und Dokumentation 1989. 200p., 151 refs.

2-181 388-68
Bourret, A., Poole, E.: **Index sur la guerre et la paix: index relationnel de mots clés pour SONJA.** Banque de données informatisées sur la guerre, la paix et le désarmement en langue française. (Index on war and peace: a relational index of keywords for SONJA, a database with information on peace and disarmament in the French language). (Orig. fr). Québec, Canada: Univ.Laval 1989. 26p. = Cah.techn.du Groupe de Recherche sur la paix. ISBN 2-9801653-0-1.

2-182 388-99
Högemann, S.: **Der Schlagwortindex als Konkordanzregister zur SfB, ASB und SSD.** Eine Untersuchung am Beispiel des Fachgebietes Christliche Religion. (The subject index as a concordance to three German classification systems (SfB, ASB, SSD). A study in the field of Christian Religion). (Orig. de). Köln, DE: Fachhochschule Bibliotheks-und Dokumentationswesen 1988. Diplomarbeit Öff.Bibl.

2-183 389
Bertrand-Gastaldy, S.: **Evaluation de l'index 1984/85 du Journal des débats de l'Assemblée nationale du Québec.** (Orig. fr). Montréal, Canada: Univ.de Montréal 1987. 151p.

2-184 389
Kocere, W.Ya., Kreslinsh, K.A., Zaure, I.G.: **Current bibliographic indexes of the Latvian Academy of Sciences main library and investigation into their effectiveness.** (Orig. ru). Inf.-bibl.obsluzh.uchenykh. Moskva, SU 1988. p.150-163

2-185 389
Wittmann, C.: **Subheadings in award-winning book indexes: a quantitative evaluation.** (Orig. en). Indexer. Vol.17, No.1, 1990. p.3-6, 8 refs.

39 Evaluation of Classing and Indexing

See also 2-086, -067, -247

2-186 391
Chu, C.M., Ajiferuke, I.: **Quality of indexing in library and information science databases.** (Orig. en). Online Rev. Vol.13, No.1, 1989. p.11-35, 17 refs.

2-187 391
Giger, H.P.: **Concept based retrieval in classical IR systems.** (Orig. en). In: 11th Inf.Conf.Res.& Dev.Inform.Retrieval, Grenoble, 13-15 June 1988. Grenoble, FR 1988. p.275-289

2-188 391
Nath, P., Singh, S.N.: **Information explosion and indexing systems.** (Orig. en). Progress Libr.& Inf.Sci. Vol.9 1989. p.19-25, 14 refs.
Stresses the need for evaluating indexing systems. Describes briefly the development of indexing systems. Explains various types of indexing systems and highlights their future. (Author)

2-189 391
Pao, M.L., Worthen, D.B.: **Retrieval effectiveness by semantic and citation searching.** (Orig. en). J.Amer.Soc.Inform.Sci. Vol.40, No.4, 1989. p.226-235, 32 refs.

2-190 392
Chan, L.M.: **Inter-indexer consistency in subject cataloging.** (Orig. en). Inform.Technol.& Libr.. Vol.7, No.2, 1989. p.349-358, 8 refs.

2-191 392
Maruyama, Sh.: **Metrics à la carte 2: consistency rate of classification.** (Orig. ja). Joho no Kagaku to Gijutsu. Vol.37, No.5, 1987. p.198-199, 5 refs.

2-192 394; 354
Maruyama, Sh.: **Metrics à la carte 3: the efficiency of shelf classification and its limitations.** (Orig.ja). Joho no Kagaku to Gijutsu. Vol.37, No.6, 1987. p.243-244

2-193 396; 842
Krause, J., Womser-Hacker, Ch.: **PADOK-II: Retrievaltests zur Bewertung von Volltextindexlerungsvarianten für das Deutsche Patentinformationssystem.** (Retrievaltest for the evaluation of fulltext indexing variants of the German Patent Information System). (Orig. de). Nachr.Dok.. Vol.41, No.1, 1990. p.13-19, 28 refs.

2-194 396
Riesthuis, G., Stuurman, P.: **Tendenzen in de oderwerpsontsluiting: (2) vrije terminologie versus gecontroleerd vocabulaire.** (Trends in subject indexing: (2) free terminology versus a controlled indexing language). (Orig. nl). Open Vol.21, No.10, 1989. p.348-352

2-195 396
Schwandt, J.: **Nutzung kontrollierter und freier Terminologie bei der Recherche in grossen bibliographischen Datenbasen.** (Utilization of controlled and free terms in searching large bibliographic databases). (Orig. de). Informatik. Vol.36, No.4, 1989. p.136-138, 12 refs.

4 On Universal Systems

42 On the Universal Decimal Classification
See also 2-052

2-196   42.07
Anderson, J.D.: **Book review of Bose, H.: Universal Decimal Classification: Theory and practice. New Delhi: Sterling 1987. 176p.** (Orig. en). Libr.& Inform.Sci.Annual. Vol.5 1989. p.85

2-197   42.1
Mishra, D.S.: **UDC in perspective.** (Orig. en). Progress Libr.& Inform.Sci. Vol.9, 1989. p.19-25++, 42 refs.
Discusses the purpose and origin of growth of the UDC. Describes the basic structure of the UDC and also its notation. Stresses the limitations and inconsistencies in structure and notation of the UDC. Gives a detailed account of the revision policy and procedure. (Author)

2-198   42.6-267
Vavilova, T.P., Bukina, O.A.: **Working schedules for UDC 678 High Molecular Substances Industry: a tutorial.** (Orig. ru). In: Nauch.katalogiz.lit.i org.katalogov. Moskva, SU 1988. p.76-80

2-199   42.6-33;-36
Shamkova, N.B.: **Working schedules for class 55 Geology. Geological and Geophysical Sciences: Compilation features.** (Orig. ru). In: Nauch.katalogiz.lit.i org.katalogov. Moskva, SU 1988. p.70-75, 12 refs.

2-200   42.6-522
Kashida, Y.: **UDC 615 Pharmacy: recollections of its revision.** (Orig. ja). Joho no Kagaku to Gijutsu. Vol.38, No.1, 1988. p.58-59

2-201   42.6-822
Sen, B.K.: **05 of U.D.C.Schedule.** (Orig. en). IASLIC Bull. Vol.32, No.3, 1987. p.123-132, 11 refs.

2-202   42.9; 284
Stoyanka, M.: Adopting UDC schedules (1985 Edition) in a general research library. (Orig.bg). Bibliotekar 36(1989)No.4, p.13-15

43 On the Dewey Decimal Classification

See also 2-051, -110

2-203   43.07
Loertscher, D.V.: **Book review of Satija, M.P., Comaromi, J.P.: Introduction to the practice of Dewey Decimal Classification. New York: Envoy Press 1987. 152p.** (Orig. en). Libr.& Inform. Sci. Annual. Vol.5, 1989. p.91

2-204   43.1
Gödert, W.: **Book review of Comaromi, J.P., Satija, M.P.: Dewey Decimal Classification: History and current status. New Delhi: Sterling Publ. 1989. VI,176p.** (Orig. en). Int.Classif. Vol.17, No.1, 1990. p.35-36, 5 refs.

2-205   43.4
Aman, M., Samore,T.: **The Dewey Decimal Classification: Edition 20 makes its bow.** (Orig. en). Wilson Libr.Bull. Vol.63, No.8, 1989. p.41-44, 1 ref.

2-206   43.6-91
Turp, St.: **Using Dewey in a monastic library.** (Orig. en). Bull.Assoc.Brit.Theol.& Philosoph.Libraries Vol.2, No.4, 1989. p.14-17, 4 refs.

2-207   43.6-93, 757
Schultz, L.: **Designing an expert system to assign Dewey classification numbers to scores.** (Orig.en). In: Proc.Natl.Online Meeting, New York, NY, May 9-11, 1989. Medford, NJ: Learned Inform. 1989. p.393-397, 1 ref.

44 On the Library of Congress Classification

2-208   44.6-397 MX
Bennett, R.A.: **Expansions of tho Library of Congress Classification for Mexico, Class F.** (Orig. es). Investig. Bibliotecologica. Vol.1, No.2, 1987. p.51-64, 7 refs.

2-209   44.6-66
Bennett, R.A.: **The new schedules for Law and the Implications for classification.** (Orig. es). Investigación Bibliotecológica. Vol.1, No.3, 1967. p.3-20, 17 refs.

2-210   44.6-967
Aderibighe,M.R., Udoh, D.J.E.: **L.C.Subclass PL8000-8844: A case for revision.** (Orig. en). Cat.& Classif.Quart. Vol.10, No.3, 1990. p.77-90, 6 refs.

448 Library of Congress Subject Headings

See also 2-120

2-211   446.3
Studwell, W.E.: **Subject suggestions 6: Some concerns relating to quantity of subjects.** (Orig. en). Cat.& Classif.Quart. Vol.10, No.4, 1990. p.99-104

2-212   448.6-94
Studwell, W.E.: **Subject suggestions 5: some concerns relating to art.** (Orig. en). Cat.& Classif.Quart. Vol.10, No.3, 1990. p.91-95

2-213   448.752
Vizine-Goetz, D., Markey,K.: **Subject authority control in online catalog design.** (Orig. en). In: OPACs and Beyond. Dublin, OH: OCLC Inc. 1989. p.41-50, 5 refs.

2-214   448.753
Frost, C.O.: **Title words as entry vocabulary to LCSH:.** Correlation between assigned LCSH terms in bibliographic records with implications for subject access in online catalogs. Cat.& Classif.Quart. Vol.10, 1989, No.1-2, p.165-179, 8 refs.

2-215   448.755
Carlyle, A.: **Matching LCSH and user vocabulary in the library catalog.** (Orig. en). Cat.& Classif.Quart. Vol.10, No.1-2, 1989. p.37-63, 6 refs.

46 On the Colon Classification
See also 2-346

2-216   461
Gopinath, M.A.: **Colon Classification: Its theory and practice.** (Orig. en). Library Herald Vol.26, No.1-4, 1987/88. p.1-38, 5 refs.
Presents the new developments in Ranganathan's theory of library classification and in his Colon Classification Schedules during 1971-81. Highlights the developments in the concepts of basic subject, personality, matter, energy, space and time. Presents extracts from Ed.7 of the Colon Classification incorporating in it the new developments in the universe of subjects and in the theory of library classification during 1971-1981.

2-217   46.4
Chatterjee, A., Choudhury, G.G.: **CC7: an evaluation of its development in three planes.** (Orig. en). Ann.Libr.Sci.& Doc. Vol.36, No.1-2, 1989. p.1-27, 21 refs.

47 On the Library Bibliographical Classification (BBK)

2-218   47.22
Sadovaya, A.N.: **Perfecting common auxiliaries of race and nationality in the LBC.** (Orig. ru). In: Nauch.katalogiz.lit.i org.katalogov. Moskva, SU 1988. p.81-94, 13 refs.

2-219   47.274
Fadiceva, E.N.: **The adaptation of the Soviet Library-Bibliographical Classification in the GDR.** (Orig. ru). Bibliotekoved. bibliogr. rubezhom No.120, 1989. p.53-57, 8 refs.

2-220   47.489
Sapocnik, E.: **The LBC tables for children's libraries.** (Orig. ru). Bibliotekar' (Moskva)., No.2, 1989. p.48-49

2-221   47.989
Helbig, G.: **Das Projekt Klassifikation für wissenschaftliche Bibliotheken.** (The project Classification for Scientific Libraries). (Orig. de). Zbl.Bibl.wes. Vol.104, No.5, 1990. p.213-216, 6 refs.
Discussion of considerations concerning a methodology for the establishment of a new classification system for scientific libraries oriented towards the

Soviet Library Bibliographical Classification (BBK) combined with the advantages of a subject heading system and a system of auxiliaries.

48 On Other Universal Systems

485 On CS & T for Libraries

487 On Patent Classification Systems

2-222   487
Schweikhardt, F.: **Some thoughts on hybrid systems especially for patent documentation.** (Orig. en). World Patent Inform. Vol.11, No.3, 1989. p.125-133, 23 refs.

489 On Universal CS for Other Special Purposes
(Children, Youth, Public Offices, State Documents, etc.)

2-223   489
Katemann, Ch.: **Die Systematik für Kinder- und Jugendbibliotheken.** Entwicklung und gegenwärtiger Stand. (Classification systems for children's and youth libraries. Development and present status). (Orig. de). Köln: Fachhochschule für Bibliotheks- und Dokumentationswesen 1988. Diplomarbeit, Öff.Bibliotheken.

2-224   489
Teresinska, A.: **Systems of arrangement and notation of fiction for children and young people in Polish libraries: a proposal for a universal system.** (Orig. pl). Poradnik Bibliotekarza, No.4, 1988. p.15-18

2-225   489
Boyce, B.R., Douglass,J.St., Rabalais, L.J.: **A sort procedure for the Superintendent of Documents Classification.** (Orig. en). Governm.Inform.Quart. Vol.6, No.2, 1989. p.175-182, 10 refs.

6 On Special Subjects CS and T

62 On CS & T in the Matter and Energy Area 2

2-226   629
Timotin, A., Gheraru, S.: **The rational thesaurus of the terms included in the International Electrotechnical Commission's publications.** (Orig. en). Probl.Inform.sl doc. Vol.23, No.3, 1989. p.115-124

63 On CS and T in the Cosmos & Earth Area 3

2-227   6376
Snimshchikova, I.A.: **The effectiveness of use of the ASNTI-gaz computerized STI system sectoral subject heading list.** (Orig. ru). In: Probl.soversh.otrasl.sistemy nauch.-tekhn.inform. Moskva, SU 1988. p.82-83

64 On CS and T in the Bio Area 4

2-228   6461
Lucas, M.: **Mise au point du thésaurus d'une banque de données statistique agricola.** (Updating the thesaurus for the agricultural statistical database). (Orig. fr). Paris: Institut National des Techniques de Documentation 1989. 33p.

2-229   647
Schrader, S.: **Ist das Oxford-System für den Einsatz in Computergestützten Systemen geeignet?** (Is the Oxford-system capable of being used in computer-supported systems?) (Orig. de). Mitt.Ges.Biblwes.u.Dok.Landbau., No.45, 1989. p.5-16, 13 refs.

2-230   647
Boterot, G.: **The multilingual evolution of PASCAL in relation to forestry.** (Orig. en). In: Kempf, A.(Ed.), Int.Union of Forest Res.Organizations, SG S 06.03: Information Systems for Forestry-related subjects: Access, search techniques and user needs. Proc. Birmersdorf, CH 1986. p.175-184, 17 refs.

2-231   .   647
Yerke, T.B.: **Preparing forestry terminologies for international compatibility in computerized information systems and databanks.** (Orig. en). In: Kempf, A.(Ed.), Int.Union of Forest Res.Org., Subj.Group S 06.03: Inform.syst.f.forestry-related subjects: Access, search techn. and user needs. Proc. 21-24 June 1988. Birmersdorf, CH 1988. p.195-203, 5 refs.

65 On CS and T in the Human Area 5

2-232   651/4
NLM's Unified Medical Language System. (Orig. en). Inform. Retrieval & Libr. Autom. Vol.15, No.9, 1990. p.7-8

2-233   656
Baldazzi, A.: **Scienze dell'educazione e classificazioni bibliografiche.** (Education science and bibliographic classification). (Orig. it). Frascati, IT: Centro Europeo dell' Educazione 1989. 174p., 241 refs.
The chapters cover: Epistemological and systematic bibliography of educational science - Class L Education in the Library of Congress Classification - The Bliss Classification and the work of the Classification Research Group in the field of education - The system of Liu Guo and the influence of Western systems.

2-234   656
Thomas, A.R.: **British Counsellor's views of ERIC terms.** (Orig. en). Cat.& Index., No.95, 1989. p.1,3-4
Assessment of the degree of correspondence of language and logic found by British counsellors in the Thesaurus of ERIC Descriptors. Some 50 counsellors were addressed of which 50% answered. 22 terms were evaluated. There was disagreement concerning terms, meanings, and relation between terms. Formulation of conclusions.

2-235   658
Negrini, G.: Novari, E., Onida, M.: **Proposte per la realizzazione di un thesaurus nel settore dello sport.** (Proposal for the establishment of a thesaurus in the field of sports). (Orig. it). Romma, IT: CNR CONI Div.Doc.e Inform. 1989. 83p., 8 refs.= Note di Bibliogr.e Doc.Sci.54.
Chapters cover: Introduction - Determination of the semantic field of the thesaurus - identification of thesaurus elements (lexical and semantic) - Formal elements of the thesaurus - Thesaurus examples (in general) - Examples of sport thesauri - References.

66 On CS and T in the Socio Area 6

2-236   663
Röttsches, H.: **Thesauruspflege im Verbund der Bibliotheken der obersten Bundesbehörden.** Thessaurus maintenance in the library network of the German governmental offices. (Orig. de). Mitt.Arb.gem.Parlaments-u.Beh., No.67, 1989. p.1-22
The thesaurus of the German governmental offices consists of eight partial thesauri, viz. for concepts denoting time, historical events, form, persons, subject titles, authorities, geographic items and subjects. The article describes the particular thesauri and demonstrates their specialties in tabular form.

2-237   666
Van Laer, C.J.P.: **Accessibility of legal information by means of shared subject indexing.** (Orig. nl). Juridische Bibliothecaris. Vol.8, No.2, 1987. p.17-20, 6 refs.

67 On CS and T in the Production Area 7

2-238   671
Nowak, E.: **Classification of multidimensional information in economic system modelling.** (Orig. pl). Pr.nauk AE Wrocławiu, No.443, 1988. p.9-14

2-239   676
Frieband, S.J.: Burnum, J.: **The US Trade Representative (USTR) trade thesaurus: development, innovation and use.** (Orig. en). Inform.Serv.& Use. Vol.8, No.5/6, 1988. p.239-248, 5 refs.

69 On CS and T in the Humanities Area 9

2-240   692
Beghtol, C.: **Access to fiction: a problem in classification theory and practice, Part 2.** (Orig.en). Int.Classif. Vol.17, No.1, 1990. p.21-26, 101 refs.

2-241   693
Erdélyi, F.: **Flexible music classification scheme**. Suggestions for the
extension of the codes of the scheme. (Orig. hu). Könyvtári Figyelő. Vol.34,
No.11, 1988. p.50-67, 18 refs.

2-242   693
McKnight,, M.: **Improving access to music: a report of the MLA Music
Thesaurus Project Working Group**. (Orig. en). Notes. Vol.45, No.4, 1988.
p.714-721, 12 refs.

2-243   693
Müller-Benedikt, M.: **Popularmusik in der Musikalien-Freihandsystema-
tik - Ein Konzept**. (Popular music in an open access classification scheme
for music documents - a plan). (Orig. de). Forum Musikbibliothek, No.2, 1988.
p.95-120, 21 refs.

2-244   694, 758-94
Petersen, T.: **Information on images: the Art and Architecture Thesau-
rus as a front end for retrieval**. (Orig. en). Proc. Natl. Online Meeting, New
York, NY, May 9-11, 1989. Medford, NJ: Learned Inform. 1989. p.335-341,
6 refs.

7 Classification and Language

71 General Problems of Natural Language

2-245   7158-51/4,-68,-62
Kumagai, N.: **Application of Artificial Intelligence**. (Orig. ja). Online
Kensaku. Vol.10, No.3, 1989. p.107-116

72 Semantics

See also 2-123, -143

2-246   722
Lekant, P.A.(Ed.): **Word semantics and phrase semantics**. (Orig. ru).
Moskva, SU: Mosk.obl.ped.in 1989. 123p.Mezhvuz.sb.nauch.tr.

2-247   723, 396
Bauer, G., Schneider, Ch.: **PADOK-II: Untersuchungen zur Volltextpro-
blematik und zur Interpretativen Analyse der Retrievalprotokolle**.
(PADOK-II: problems of fulltext retrieval and interpretative analysis of retrie-
val protocols). (Orig. de). Nachr.Dok. Vol.41, No.1, 1990. p.21-26, 14 refs.
Description of the results of additional tests concerning the question of how
much of a document (fulltext versus title + abstract) is needed for reaching
acceptable recall. Results show considerable lower recall values for restric-
ted document size. The integration into the overall methodical concept of
PADOK and first results are the essentials of the interpretative retrieval
protocol analysis.   (Authors)

2-248   723
Lavrenova, O.A.: **A knowledge system model used in computerised
information systems**. (Orig. ru). Nauchno-tekhn.inform.Ser.2, No.6, 1989.
p.5-9, 11 refs.
Describes the experience and methods of practial application of a language
for modelling the semantics of scientific texts especially developed to handle
basic problems in the design of linguistic support for information systems and
databases. The formalisation of semantics consists of computation and
format representation of some activity components based on a hypothetical
model of knowledge.   (Author)

2-249   725
Tatsumi, F., Tetsuya, H., Hiroyuki, K., Ken'ichi, H., Akio, K.: **Architectural
evaluation of a semantic network machine**. (Orig. ja). In: Database
Mach.and Knowl.Base Mach.: Papers 5th Int.Workshop Database Mach.,
Tokyo, 1987. Boston, MA 1988. p.544-556, 6 refs.

73 Automatic Language Processing

See also 2-063, -144

2-250   732
Liddy, E.D.: **Anaphora in natural language processing and information
retrieval**. (Orig. en). Inform.Process.& Management. Vol.26, No.1, 1990.
p.39-52, 27 refs.
Anaphora is the discourse-level linguistic phenomenon of abbreviated sub-
sequent reference, pronouns being the most commonly used anaphors. In

that anaphora play an essential role in human processors' production and
understanding of texts, its appropriate recognition and resolution is essential
to information retrieval systems that manipulate natural language texts. The
approaches to anaphora undertaken in theoretical linguistics and NLP are
surveyed and the results of research on anaphora as it impacts on informa-
tion processes are presented with specific attention to the detailed studies
conducted at Syracuse University. These studies have provided essential
baseline data on the extent to which anaphora occur, their likelihood of
referring to concepts integral to the topic, their effect on a variety of term-
weighting schemes, and their impact on retrieval results. Although the most
effective means of processing anaphora may not have yet been determined,
it is suggested that improved retrieval systems will need to represent the full
meaning of natural language documents, including anaphoric references as
well as all other discourse linguistic phenomena.   (Author)

2-251   732
Gay, L.S., Croft, W.B.: **Interpreting nominal compounds for information
retrieval**. (Orig. en). Inform.Process.& Management. Vol.26, No.1, 1990.
p.21-38,22 refs.
It is shown that simple, knowledge-intensive algorithms can successfully
interpret many of the compounds found in technical documents. Experiments
indicate that effective identification of concepts represented by nominal
compounds may be possible without these knowledge-intensive algorithms.
                                                     (Authors, abbr.)

2-252   733
Hahn, U.: **Topic parsing: accounting for text macro structures in full-
text analysis**. (Orig. en). Inform.Process.& Management. Vol.26, No.1,
1990. p.135-170, 67 refs.
The rapid proliferation of full-text databases poses serious problems to the
natural language processing components of information retrieval systems.
Not taking text-level phenomena of written natural language discourse into
account causes a marked decrease of performance for many text information
system applications. Consequently, appropriate text parsing facilities must
be capable of recognizing the rich internal structure of full-texts on lower
levels of text connectivity as well as on the global organizatioonal level of text
coherence. This paper introduces such a parser which is based on the
conceptual knowledge of its domain and is organized as a collection of
distributed lexicalized grammar modules (word experts) which communicate
through message-passing. Emphasis is put on text grammatical specifica-
tions which state formal conditions for recognizing higher-order text consti-
tuents and their coherent configuration on the global level of textual macro
organization.   (Author)

2-253   733
Metzler, D.P., Haas, St.W., Cosic, C.L.: **Conjunction, ellipsis, and other
discontinuous constituents in the constituent object parser**. (Orig. en).
Inform.Process.& Management. Vol.26, No.1, 1990. p.53-71, 21 refs.
The Constituent Object Parser (COP) is a domain independent syntactic
parser developed for use in information retrieval and similar applications. Its
purpose is to extract a simple hierarchical description of a phrase or sentence
that can be used in very general pattern matching procedures to determine
the structural similarity of sentences or phrases that contain equivalent
terms. This paper discusses the mechanisms by which COP handles the
problems of conjunction, ellipsis, and discontinuous constituents. These
structures are usually particularly difficult to handle in a parser that does not
employ domain knowledge or even general semantic knowledge. COP's
mechanisms for these structures are directly tailored for, and, in part, even
made possible by, the nature of the intended uses of the outputs by the
information retrieval matching procedures.   (Authors)

2-254   733
Salton, G., Buckley, Ch., Smith, Maria: **On the application of syntactic me-
thodologies in automatic text analysis**. (Orig. en). Inform.Process.&
Management. Vol.26, No.1, 1990. p.73-92, 32 refs.
This study summarizes various linguistslc approaches proposed for docu-
ment analysis in information retrieval environments. Included are standard
syntactic methods to generate complex content identifiers, and the use of
semantic knowhow obtained from machine-readable dictionaries, and from
specially constructed knowlege bases. Certain syntactic term phrase gene-
ration systems are examined in detail and their usefulness for text analysis
purposes is evaluated.   (Authors)

2-255   733
Sembok, T.M.T., Rijsbergen, C.J.van: **SILOL: a simple logical-linguistic
document retrieval system**. (Orig. en). Inform.Process.& Management.
Vol.26, No.1, 1990. p.111-134, 41 refs.
This paper introduces a logical-linguistic model of document retrieval sy-
stems and describes an implementation of a system called SILOL which is
based on this model. SILOL uses a shallow semantic translation of natural
language texts into a first order predicate representation in performing a
document indexing and retrieval process. Some preliminary experiments

have been carried out to test the retrieval effectiveness of this system. The results obtained show Improvements in the level of retrieval effectiveness, which demonstrate that the approach of using a semantic theory of natural language and logic in document retrieval systems is a valid one. (Authors)

74 Grammar Problems

See also 2-113

2-256 743
Endrzej-Boryczka,U.: **Automatic recognition of grammatical classes of words by the end fragments.** (Orig. ru). Nauchno-tekhn. Inform. Ser.2., No.6, 1989. p.24-27, 7 refs.

75 Online Problems and Technologies

See also 2-059, -064, -069, -072, -073, -124, -146, -150, -151, -161, -165, -213, -214, -215, -244

2-257 751
Gödert, W.: **Book review of Kemp, D.A.: Computer-based knowledge retrieval.** London: Aellb 1988. X,399p. (Orig. en). Int.Classif. Vol.17, No.1, 1990. p.36-37

2-258 751
Metz, P.: **Subject aaarching in libraries: present and future, Part 2.** (Orig. en). J.Acad.Librnship. Vol.14, No.6, 1989. p.1-11

2-259 751, 812
Slack, F.: **Subject searching on OPACs: a general survey of facilities available on OPACe in academic libraries in the UK.** (Orig. en). Vine., No.72, 1988. p.8-15, 8 refs.

2-260 752
Broadbent, E.: **The online catalog: dictionary, classified, or both?** Cat.& Classif.Quart. Vol.10, No.1-2, p.105-124. 26 refs.
The main purpose of the study was to determine if the online catalog can function both as a dictionary and classified catalog without requiring additional time or intellectual effort on the part of the cataloger. A total of 1842 MARC bibliographic records listed in the 370-379 classified section of American Book Publishing Record were studied. These records displayed 2735 subject headings. Of these, 1491 (55%) had a Library of Congress classification number linked to them. An alphabetical and classified index was created using primary subjects and their related classification numbers. While such an index could be a useful browsing device if integrated into an online catalog, creating a bona fide classified catalog would require assigning classification numbers to the secondary subject headings. (Author)

2-261 752.01
Dale, D.C.: **Subject access in online catalogs: an overview bibliography.** (Orig. en). Cat.& Classif.Quart., Vol.10, No.1-2, p.225-251, 55 refs.
The first item in this review of 55 references is dated 1978 and the latest three are from 1988. Almost 40% of the items were published in 1984 and 1985. Slightly over 50% of the items were published in six journals, with the greatest number appearing in Inform.Technol.& Libr.Resources and Techn.Services. The review is in three sections: Background section with general discussion of the topic and literature surveys; section with material on research and development; and a last section dealing with future developments.

2-262 752 FR
Jouguelet, S.: **Subject access in online catalogs: developments in France.** (Orig. en). Cat.& Classif.Quart. Vol.10, No.1-2, 1989. p.213-224

2-263 752
McCarthy, C.: **A reference librarian's view of the online subject catalog.** (Orig. en). Cat.& Classif.Quart. Vol.10, No.1-2, 1989. p.203-211, 9 refs.
As truly effective subject retrieval for online catalog users will not be possible until the Library of Congress gives a higher priority to consistency in the assignment of subject headings - recognizing the intellectual complexity of LCSH - It is proposed that subject specialists should be appointed to monitor the assignment of subject headings at the Library of Congress. (Author, abbr.)

2-264 753
Markey, K.: **Alphabetical saarching in an online catalog.** (Orig. en). J.Acad.Librnship. Vol.14, No.6, 1989. p.353-360, 11 refs.
Analysis of retrieval test data suggest that searchers expect alphabetic searches to provide lists of assigned subject headings conceptually related to their topics of interest. System designers can not respond to their

expectations by incorporating Library of Congress Subject Headings in online catalogs.

2-265 753
Massicotte, M.: **Improved browsable displays for online subject access.** (Orig. en). Inf.Technol.& Libr.. Vol.7, No.4, 1988. p.373-380, 8 refs.

2-266 753
Olsen, R.J., Christensen, J.O., Larsen, K.A., Willey, K.: **Implementing NOTIS Keyword/Boolean Searching: a case study.** (Orig. en). Catl.& Classif.Quart. Vol.10, No.1-2, 1989. p.125-140, 12 refs.

2-267 753
Ercegovac, Z.: **Augmented assistance in online catalog subject searching.** (Orig. en). Ref.Libr., No.23, 1989. p.21-40, 92 refs.

2-268 754
Ait-Kaci, H.: Nasr, R., Seo, J.: **immplementing a knowledge-based library informationsystem with typed Horn Logic.** (Orig. en). Inform.Process.& Management. Vol.26, No.2, 1990. p.249-268, 11 refs.
The article discusses the implementation of a knowledge base for a library information system. The system was conceived using a typed logic programming language - LOGIN - where type inheritance is built in. The knowledge base is structured in a hierarchical taxonomy of library object classes where each class is represented in a frame style knowledge structure and inherits the properties of its parents, and where infrastructural inference rules have been established through typed Horn clauses. (Authors, abbr.)

2-269 754
Vyasamoorthy, P.: **Basic program for sequential search using Boolean operators.** (Orig. en). Int.Inform.Commun.& Educ. Vol.7, No.2, 1988. p.191-198, 1 ref.

2-270 755
Blazek, R.: Bilal, D.: **Problems with OPAC: a case study of an academic rasearch library.** (Orig. en). RQ. Vol.28, No.2, 1988. p.169-178, 10 refs.

2-271 755
Klugman, S.: **Failures in subject retrieval.** (Orig. en). Cal.& Classif.Quart. Vol.10, No.1-2, 1989. p.9-35, 19 refs.
Since users seldom think of their topic in terms of library subject headings, they encounter problems in finding matches. Online catalogs have helped somewhat by allowing keyword searching and Boolean combinations. Librarians need to look carefully at the MARC format and at enhanced and enriched subject approaches. Machine-generated links and leads can provide more paths and wider access to subject information. (Author, abbr.)

2-272 755
Murdock, P.R.: **Cataloging catalysis: toward a new chemistry of conscience, communication and conduct in the online catalog.** (Orig. en). Cat.& Classif.Quart. Vol.10, No.1-2, 1989. p.65-80, 10 refs.
The paper explores the potentialities of an empowered public services/ technical services interface as a liberating and exhilarating vehicle for change, improvement, understanding, and access in the online subject catalog. (Author)

2-273 755
Rolland-Thomas, P., Mercure, G.: **Subject access in a bilingual online catalog.** (Orig.en). Cat.& Classif.Quart. Vol.10, No.1-2, 1989. p.141-163, 17 refs.
Canadian library records, bilingual by statute, are created according to a common set of rules and standards. Subject access to the catalogue remains language dependent. Even searches by classification in some OPACs rely first on an alphabetical index as an entering key. Fully bilingual OPACs with authority control and reciprocal references in one file have yet to appear. Thus far the Canadian Workplace Automation Research Center has produced ASIR/SIRI with an online bilingual thesaurus. The National Library of Canada has developed within DOBIS a bilingual system providing automatic linkages between records and authority files. But true bilingual searching (a search in one language retrieving records in both languages) could be achieved by a built-in automatic translation module. Total accommodation of diacritical marks by terminal keyboards and display monitors is also a challenge to be met. (Authors)

2-274 756
Boyce, B.R., MacLain, J.P.: **Entry point depth and online aearch using a controlled vocabulary.** (Orig. en). J.Amer.Soc.Inform.Sci. Vol.40, No.4, 1989. p.273-276, 14 refs.
The depth of indexing, the number of terms assigned on average to each document in a retrieval system as entry points, has a significant effect on the standard retrieval performance measures in modern commercial retrieval systems. Tests of the effect of basic index search, as opposed to controlled

vocabulary search, In these real systems are quite different than traditional comparisons of free text searching with controlled vocabulary searching. In modern commercial systems the controlled vocabulary serves as a precision device, since the structure of the default for unqualified search terms in these systems requires that it do so. (Author)

2-275 756
Van Beveren, Ch.J.: **The MEMIC subject headings thesaurus online.** (Orig. nl). Open. Vol.20, No.3, 1988. p.92-93, 5 refs.

2-276 756
Williamson, N.: **The role of classification in online systems.** (Orig. en). Cat.& Classif.Quart., Vol.10, No.1-2, 1989. p.95-104, 20 refs.

757 Expert Systems

See also 21-039, -043, -044, -091

2-277 757
Wissen transparent. (Transparent knowledge). (Orig. de). BIT (FRG). Vol.25, No.4, 1989. p.73-75

2-278 757
Agence Natl. du Logiciel, Groupement de Recherche: **Systèmes experts et outils pour l'intelligence artificielle 1989.** (Expert systems and tools for artificial intelligence). (Orig. fr). Vandoeuvre (Campus scientifique, Boulevard des Aiguillettes, BP 239, 54506): ANL 1989. 242p.

2-279 757
Cavanagh, J.M.A.: **Library applications of knowledge-based systems.** (Orig. en). Ref.Libr., No.23, 1989. p.1-19, 76 refs.
A broad range of library applications for expert systems is identified. Descriptions of developments include systems for document selection, cataloguing, classification, reference, retrieval, and instruction. (Author, abbr.)

2-280 757
Hamza, M.H.(Ed.): **Expert systems: theory and applications: IASTED Int.Conf., Geneve, IASTED Int.Conf., Geneva, June 16-18, 1987. Proceedings.** (Orig. en). Anaheim,etc.: Acta Press 1987. II,228 p. ISBN 0-88986-118-8.
Some of the papers of the 52 presented have been included under different subject groups of this issue. Problems discussed include, e.g. conceptual modelling, production rules modelling, deductive databases, object-centered knowledge representation, AI languages, etc.

2-281 757
Travis, I.L.: **Knowledge-based systems in information work: a view of the future.** (Orig. en). Ref.Libr., No.23, 1989. p.41-60, 20 refs.

2-282 757
Vickery, A., Brooks,H.M., Robinson,B.A., Stephens,J., Vickery,B.C.: **Expert system for referral.** (Orig. en). London: British Library 1988. 233p. = Libr.& Inform.Res.Rep.No.66. ISBN 0-7123-3146-8.
Describes the development and evaluation of PLEXUS, an expert system used to aid microcomputer retrieval of referral sources. The function of the system is to give inexperienced users the kind of aid that a skilled search intermediary would provide. The system helps to formulate a search, create a search strategy, modify the search strategy as required, and present the results of the search. To carry out these taks the system uses the techniques of artificial intelligence - knowledge representation, production rules, inference and control, a natural language interface, and some simple user modelling devices. (Authors, amended)

2-283 758-26
Ledwith, R.H.: **Development of a large, concept-oriented database for information retrieval.** (Orig. en). In: 11th Int.Conf.Res.& Dev.Inform.Retrieval, Grenoble, 13-15 June 1988. Grenoble, FR: 1988. p.651-661, 15 refs.
The development of concept-oriented databases using AI knowledge representation schemes is proposed as a step towards improving the precision and recall of IR systems. Currently underway is the augmentation of a 238,000 citation database, Chemical Abstracts (CA) Volume 105, by addition of detailed conceptual information in the form of frames and hierarchies. The initial text data is parsed using natural language processing (NLP) techniques to create frames describing the semantics of the index entries in the database, with the slots in the frame being pointers into a very large semantic network of conceptual objects (956,000 objects). To examine the resultant knowledge base, a simple hypertext system is proposed, with the conceptual information serving as pathways to connect related citations. (Author)

2-284 758-47
Kaiser, D.: **Terminological search instruments online.** Some examples using the retrieval language GRIPS. (Orig. en). In: Kempf, A.(Ed.), Int.Union

Forest Res.Org., Subj.Group S 06.03: Information systems for forestry-related subjects: access, search techniques and user needs. Proceedings. Birmersdorf, CH 1988. p.185-193
In order to obtain online searchers of high quality the knowledge and extensive use of terminology is essential. But even databases covering the same topics often differ strongly in the specific terminology they use. Thus the increasing number of databases available tends to make online searching more and more difficult. Using some of DIMDI's databases covering forestrry some search aids of the retrieval system GRIPS are presented and explained in detail. (Author, abbr.)

2-285 758-66
Stone, A.T.: **Subject searching in law library OPACs.** (Orig. en). Cat.& Classif.Quart. Vol.10, No.1-2, 1989. p.181-198, 5 refs.
Law libraries that introdce online catalogs to their publics often experience the same kinds of problems and benefits as other types of libraries. Nevertheless certain issues for OPAC subject searching can be particularly challenging for law libraries. This paper addresses those issues, especially the impact on subject access of the design of 'shared' OPACs and the special problems regarding subject searches on government agency names and titles of laws. Difficulties with law-related subject headings are also discussed. Finally, keyword and call number searching are examined from the law library perspective. (Author)

2-286 758-76
Robinson, M.L.: **A survey of SIC code searchable databases on DIALOG.** (Orig. en). Online Review. Vol.13, No.4, 1989. p.313-319, 3 refs.
Standard Industrial Classification (SIC) codes are a type of controlled vocabulary used by business searchers when searching for corporate and industry data. Two four-digit versions of the SIC coding scheme are used on business databases available through DIALOG. Some DIALOG database producers have opted to create a variation of the codes for use in their products. With the impending eight-digit SIC coding scheme from Dun and Bradstreet, it will become increasingly difficult for the DIALOG searcher to know which version of the codes to use when searching a particular database. A survey of the use of SIC codes in business databases on DIALOG was undertaken. This paper presents the findings of this survey. (Author)

2-287 758-97
Agger, St., Jensen, H.: **The BOOK HOUSE - visual design.** (Orig. en). Roskilde, DK: Risø Natl.Lab. 1989. 45p.; 69 illustr.
The report is based on the contribution to the project from the Royal Danish Art Academy's Architect School. It describes the approach used to cope with the problems of conveying through a computer-based medium the visual information necessary to support and enhance user interaction with the system.

2-288 758-92
Pejtersen, A.M.: **The automatic book machine in Hjortespring.** (Orig. da). Bibliotek. Vol.70, No.10, 1988. p.347-350

2-289 758-92
Goodstein, L.P., Pejtersen, A.M.: **The BOOK HOUSE: system functionality and evaluation.** (Orig. en). Roskilde, DK: Risø Natl.Lab. 1989. 215p. ISBN 87-550-1537-9.
The BOOK HOUSE (and its predecessor, the BOOK AUTOMAT) are computer systems aimed at supporting library users in finding fiction. They are examples of systems using a cognitive work analysis as the basis for design and evaluation- and build on earlier studies of the information retrieval task using actual user-librarian negotiations. These studies lead to the identification of a set of user strategies for retrieving literature as well as a multi-dimensional framework for classifying fiction. Both of these have been necessary prerequisites for the design of the BOOK HOUSE, a flexible online data base retrieval system for novice users - both children and adults. The use of icons within a spatial metaphor to facilitate direct manipulation of the displayed objects forms the basis for the interface in supporting the users' navigation in the BOOK HOUSE. The design and evaluation of the prototype systems are covered in this report.

2-290 758-92
Pejtersen, A.M.: **The BOOK HOUSE: modelling users' needs and search strategies as a basis for system design.** (Orig. en). Roskilde, DK: Risø Natl.Lab. 1989. 112p., 76 refs.
See abstract above (2-289). The cognitive work analysis which preceeded the design and evaluation of the prototype systems are covered in this report.

2-291 758-992
Carr, A.R.: Strachan, N.: **Development of a system for treatment of Bible headings in an OPAC system.** (Orig. en). Cat.& Index., No.95, 1989. p.5-6

76 Lexicon/DictionaryProblems

2-300   762; 766; 793
Belyaeva, L.N.: **Designing linguistic Information databases for computerised text processing systems.** (Orig. ru). Stat.rechl I avtomat.pererab.tekstov, No.7, 1988. p.8-28

2-301   763
Polikarpov, A.A.: Bushueva, O.V.: **An experiment in constructing a contextual dictionary and analysis of Its structure.** (Orig. ru). In: Teor.i prakt.probl.prikl.lingv. Moskva, SU 1988. p.40-65, 48 refs.

77 General Problems of Terminology

2-302   77.951
Schmitt, P.A.: **Terminologische Diplomarbeiten.** Richtiinien des Fachbereichs Angewandte Sprachwissenschaft In Germersheim. (Terminological theses. Guidelines of the Department for Applied Linguistics In Germersheim - University of Mainz). (Orig. de). Lebende Sprachen. Vol.34, No.4, 1989. p.153-159, 15 refs.
Guidelines concerning theme selection, acquisition of material, outlines, formal design and Information offer. They are based on experiences and knowledge gained from more than 300 terminological theses, submitted in the 40 years of existence of ADI/F.A.S (Fachbereich Allgemeine Sprachwissenschaft).

2-303   772
Sager, J.C.: **Term formation.** (Orig. en). Lebende Sprachen. Vol.34, No.4, 1989. p.159-161
Distinction between primary and secondary term formation. The former accompanies concept formation and Is "monolingual", provisional, accompanied by a stipulative or otherwise temporary definition. The latter occurs when a new term is created for a known concept and happens as a result of monolingual revision of a terminology. The article extends on the characteristics of the two kinds of term formation.

2-304   772
Sorokina, N.G.: **Modelling word formation semantics in computerised Information system vocabularies.** (Orig. ru). Sb. nauch. tr./ Leningr. Inst. kult., No.116, 1988. p.55-59, 10 refs.

2-305   773
Neuhaus, J.-P.: **Le terminologue au sein d'une entreprise du secteur privé** -. Les exigences d'engagement, ses domaines d'activité. (The terminologist in a company of the private sector.(Orig. fr). Terminol.et Traduction., No.3, 1989. p.161-175

2-306   776
Irazazabal, A.de, Alvárez, S., Zarco, J.: **EURODICAUTOM - the Commission of the European Communities term databank.** (Orig. es). Rev.esp.doc.cient. Vol.12, No.1, 1989. p.11-12, 4 refs.

2-307   776
Sotiropoulos, M.Th.: **Conceptual-mathematical models as a bridge from the general theory of terminology to Informatics.** (Orig. en). Terminol.et Traduction., No.3, 1989. p.135-148, 8 refs.
The article is composed of the following chapters: Definition and representation of knowledge - Knowledge processing - Semantic networks - Computerized terminography - Kinds and functions of terminological data banks - Knowledge data bases - Expert Systems.

2-308   776
Machová, S.: Minlhofér, O.: **Development of a multilingual term databank.** (Orig. cs). Vyber.inf.organ.a vypoc.techn. Vol.22, No.2, 1989. p.225-235

2-309   7768-73
Aleksandrov, L.V., Bukhalkin, Yu.M., Voznesenskij, V.V.: **Establishing a knowledge bank in an engineering field.** (Orig. ru). Nauchno-tekhn.inform.,Ser.1., No.6, 1989. p.16-17, 12 refs.

2-310   778
Bies, W.: **Book review of Informationsverdichtung und Standardisierung in wissenschaftlichen Veröffentlichungen.** Wiss.Z.Karl-Marx-Univ., Leipzig, Ges.wiss.Reihe 37(1988)No.6, p.521-623. (Information compression and standardization in scientific publications). (Orig. en). Int.Classif. Vol.17, No.1, 1990. p.42-43

78 Subject-Oriented Terminology Work

2-311   78-628
Sprachendienst d.BM f.Post u.Telekommunikation: **Terminologie der Vertragawerke der Internationalen Fernmeldeunion, Genf, de - fr - en.** (Terminology of the contracts of the International Telecommunication Union) (Orig. de, fr, en). Terminol.et Traduction, No.3, 1989. p.231-288
Glossary of the 384 most important terms (telecommunication, conferences, contracts, administration, etc.) are contained in the International Telecommunication Treaty (Nairobi 1982) of the International Telecommunication Union (a special organisation of the UNO) and in its bylaws and recommendations.

2-312   78-63
Moos, R.: **Terminologiearbeit in der Schelzerischen Bundesverwaltung.** (Terminology work in the Swiss Federal Administration). (Orig. de). Terminol.et Traduction., No.3, 1989. p.149-154

2-313   78-82
Atanasiu, P.:Teodoru, V.: **Aspects of terminology in the field of information and documentation.** (Orig. ro). Biblioteca, No.4, 1989. p.17-18, 9 refs.

2-314   78-82
Brodmeier, B.: **Die Philosophie der TID sowie die Art Ihrer Darstellung.** (Conception of the TID and Its way of representation).(Orig.de). In: Deutsche Gesellschaft für Dokumentation: 40 Jahre DGD - Perspektive Information. Dokumentartag Aachen 1988. Frankfurt 1989. p.153-162

2-315   78-82/6
Hoefig, W.: **Die Datenbank KOMINTERM.** (The database KOMINTERM). (Orig. de). In: Deutsche Gesellschaft für Dokumentation: 40 Jahre DGD - Perspektive Information. Dokumentartag Aachen, 27.-29.9.1988. Frankfurt 1989. p.174-181
Information on the terminology databank for the area of communication and Information which has been established with the software system ALLEGRO in the State Library of Prussian Culture and which is being maintained there and used for retrieval purposes. The database consists of some 20,000 datasets and Includes under 'information' the conceptual areas of archives, library science, documentation, Information and other concepts. Under 'communication' the concept areas are covered of publishing, printing, journalism, broadcasting and television, movies and audiovisual media as well as telecommunication. The sources for the datasets are described and the role of the Committee on Terminology and Linguistic Problems (KTS) (of the German Documentation Society) in maintaining and developing the databank is explained.

2-316   78-822
Ermert,A.: **Dokumentation und Dokumentteile und Ihre Rolle In der TID.** (Types and parts of documents and their role in TID). (Orig. de). In: Deutsche Gesellschaft für Dokumentation: 40 Jahre DGD - Perspektive Information. Dokumentartag Aachen, 27.-29.9.1988. Frankfurt 1989. p.186-193
The "Standard Generalized Markup Language" (SGML) (ISO 8879) which serves the Input of texts is explained and the significance of the recognition of kinds and parts of documents Is stressed especially regarding 1) the publication process, 2) the bibliographic description and 3) the subject analysis and evaluation. Also explained are the different terminological structures of the fields of kinds and parts of documents in the International standard ISO 5127/2 and In the German standardization project DIN 31 631.

2-317   78-8227
Laisiepen, K.: **Audiovisuelle Dokumente.** (Audiovisual documents). (Orig. de). In: Deutsche Gesellschaft für Dokumentation: 40 Jahre DGD - Perspektive Information. Dokumentartag Aachen, 27.-29.9.1988. Frankfurt 1989. p.163-173

2-318   78-834
Barkow, G., Hesse, W., Kittlaus, H.B., Luft, A. et al.: **Begriffliche Grundlagen für die frühen Phasen der Software-Entwicklung.** (Conceptual bases for the early times of software development). (Orig. de). Information Management. Vol.4, No.4, 1989. p.54-60, 15 refs.

2-319   78-962
Foskett, D.J.: **Book review of Riggs, F.W. (Ed.): Ethnicity. Intercocts Glossary. Concepts and terms used in ethnicity research.** (Available from:) Indeks Verlag, Frankfurt, XXX+205p. (Orig. en). Int.Classif. Vol.17, No.1, 1990. p.43-44

79 Problems of Multilingual Systems and Translation

2-320 791
Mell, S.: **Informationsmarkt der maschinellen Übersetzung.** Linguistischer Hintergrund, Typologie, Systeme, Übersetzungshilfen, Projekte und Übersetzungsdienste. (Information market of machine translation. Linguistic background, typology, systems, translation aids, projects and translation services). (Orig. de). Terminol.et Traduction., No.3, 1989. p.63-107, 19 refs.

8 Applied Classing and Indexing (C&I)

81 General Problems of Applied C & I

2-321 812
Chizhkova, G.I., Chortjunova,L.V.: **On systematic catalogues.** (Orig. ru). Sov.bibliotekoved., No.3, 1989. p.53-56, 16 refs.

2-322 814
Junginger, F.: **Regeln für den Schlagwortkatalog: RSWK. Ergänzungen und Berichtigungen.** (Rules for the Subject Catalogue: RSWK. Extensions and corrections). (Orig. de). Bibliotheksdienst. Vol.22, No.6, 1988. p.552-563

2-323 814
Scharmann, U.(Comp.): Deutsches Bibliotheksinstitut: **Anwendung der Regeln für den Schlagwortkatalog (RSWK) in öffentlichen Bibliotheken.** (Applications of the Rules for the Subject Catalogue (RSWK) in public libraries). (Orig. de). Berlin, DE: DBI 1989. 110p. DBI-Materialien 83.

2-324 814
Malbec, C.: **Elaboration du manuel d'indexation da la banque da données ISABEL et recharcha decompatibilité entra ISABEL et ARCHIRES.** (Elaboration of an indexing guidebook of the database ISABEL and search for compatibility between ISABEL and ARCHIRES). (Orig. fr). Paris: Institut National des Techniques de Documentation 1989. 49p.

2-325 818
Kalczynska, M.: **The form of the subject catalogue in Lwow University Library in the inter-war years.** (Orig. pl). Bibliotekarz. Vol.55, No.4-5, 1988. p.28-31, 8 refs.

2-326 818
Khakhaleva, N.I.: **Terms revealing the structure of a large library collection.** (Orig. ru). Sov.bibliotekoved., No.3, 1989. p.44-49, 7 refs.

2-327 818-94
Franklin, J.: **ARLIS (UK & Eire) survey of 'in-house' retrospective indexes.** (Orig. en). Serials. Vol.2, No.2, 1989. p.40-41

84 C & I of Primary Literature (except 85)

2-328 842; 487
Slutskin, A.A., Marshak, N.A., Borisova,I.N., Lukanin, V.A.: **Increasing the effectiveness of patent search based on bibliographic description.** (Orig. ru). Nauchno-tekhn.Inform., Ser.1, No.4, 1989. p.11-13, 4 refs.

2-329 844
Gee, R.: **Newspaper cuttings: alternative to indexing?.** (Orig. en). Local Studies Librarian Vol.7, No.2, 1988. p.7-11

2-330 844, 977
Nelson, D.W.: **Newspaper indexing with microcomputers: the Washington State experience.** (Orig. en). Reference Services Review. Vol.17, No.4, 1989. p.91-96

2-331 844 NI
Okorafor, E.E.: **Newspaper Indexing in Nigerian libraries.** (Orig. en). Indexer. Vol.17, No.1, 1990. p.35-38, 14 refs.
Few Nigerian libraries index daily and weekly newspapers. Proposals for actions towards establishment of standards and authority lists.

2-332 845
Romaniuk, E.: **Macintosh-based keyword access to IEEE serial publications.** (Orig. en). Inform.Technol.& Libr. Vol.7, No.4, 1988. p.411-416

2-333 847; 812
Larina, V.G., Khorosheva, T.V.: **Catalogue maintenance in USSR state archives.** (Orig. ru). Sov.arkh., No.3, 1989. p.80-83, 5 refs.

2-334 849
Tillmanns,St.: **Inhaltliche Erschließung bibliographisch unselbständiger Literatur in Öffentlichen Bibliotheken der Bundesrepublik Deutschland.** Analyse der Fachliteratur und Untersuchungen in ausgewählten Bibliotheken. (Indexing of bibliographically dependent literature in public libraries of the Federal Republic of Germany. Analysis of the pertinent literature). (Orig. de). Köln: Fachhochschule Bibliotheks-u.Dokumentationswesen 1988. Diplomarbeit Öffentl.Bibliotheken.

85 (Back of the) Book Indexing

2-335 857
Korycinski, C., Newell,A.F.: **Natural-language processing and automatic indexing.** (Orig. en). Indexer. Vol.17, No.1, 1990. p.21-28, 57 refs.
The task of producing satisfactory indexes by automatic means has been tackled on two fronts: by statistical analysis of text and by attempting content analysis of the text in much the same way as a human indexer does. Though statistical techniques have a lot to offer for free-text database systems, neither method has had much success with back-of-the-book indexing. This review examines some problems associated with the application of natural-language processing techniques to book texts. (Authors)

86 Indexing of Secondary Literature

2-336 864; 343
Cawkell, A.E.: **Automatic indexing in the Science and Social Science Citation Index CD-ROM.** (Orig. en). Electronic Library. Vol.7, No.6, 1989. p.345-349

2-337 864
Taylor, H.: **Science Citation Index print and CD - the best of both worlds from ISI.** (Orig. en). In: 11th Int.Essen Symp.,26-29Sept.1968 on Impact CD-ROM Libr.Oper. and Univers. Availab. Inf. Essen, FRG 1969. p.46-61

2-338 864
Todorov, R.: **Representing a scientific field: a bibliometric approach.** (Orig. en). Scientometrics, Vol.15, No.5-6, 1989. p.593-605, 25 refs.

87 C & I of Non-Book Materials

2-339 872/6
Blake, V.L.P., Suprenant, T.: **The role of semiotics in the indexing of graphic materials.** (Orig. en). In: Proceedings. National Online Meeting, New York, NY, May 9-11, 1989.Medford, NJ: Learned Inform. 1989. p.49-56, 29 refs.

2-340 878
Smither, R.: **'Is Britannia a personality?': some questions arising while indexing the Imperial War Museum's collection.** (Orig. en). Indexer. Vol.17, No.1, 1990. p.7-11
Illustrates - even if it does not resolve - some of the problems in providing subject access to the extensive, international, multi-media collections of the Imperial War Museum. Chief among these is the variety of ways in which items in museum collections can be relevant to a particular line of enquiry. (Author)

88 C & I in Subject Fields

2-341 88-39; 758-39
Hill, L.L.: **Geographic indexing for bibliographic databases.** (Orig. en). Resource Sharing & Inf.Network. Vol.4, No.2, 1989. p.1-12, 14 refs.

2-342 88-51/4
Berrut, C.: **Indexing medical reports: The RIME approach.** (Orig. en). Inform.Processing & Management. Vol.26, No.1, 1990. p.93-109, 16 refs.
The paper focuses on the RIME system aimed at the indexing of medical reports in a multimedia environment. This particular applicaiton is viewed as

representative of a large set of still unanswered needs of large communities of users: Domain experts dealing with online specialized documentation such as software engineers, medical specialists and so on. In the present application case, textual information appears as an interesting medium to access related pictures in the database. After the presentation of the application and a study of the particular corpus involved a semantic model is defined for the documents which is based on a Conceptual Language. The indexing process is detailed as well as its various linguistic components which perform the translation of every medical report according to this semantic model.

(Author, amended)

2-343   88-92
Brüning, Ch.: **Schlagworterschließung von Belletristik in Öffentlichen Bibliotheken**. Eine Untersuchung der Methoden unter besonderer Berücksichtigung der RSWK-Anwendung. (Indexing of belles-lettres in public libraries. An investigation of methods with special regard of an application of the RSWK). (Orig. de). Köln: Fachhochschule Bibliotheks- und Dokumentationswesen 1988. Diplomarbeit Öffentl.Bibliotheken.

2-344   88-94
Roberts, H.: **'Do you have any pictures of...?' subject access to works of art in visual collections and book reproductions**. (Orig. en). Art Documentation. Vol.7, No.3, 1988. p.87-90, 6 refs.

9 Classification Environment

92 Persons and Institutions

2-345   924
The Margaret Mann Citation, 1989: Lois Mai Chan. (Orig. en). Libr.Resources & Techn.Serv. Vol.33, No.4, 1989. p.421-423

2-346   924
Sukiasyan, E.R.: **S.R.Ranganathan's school and our times**. (Orig. ru). Bibliotekoved.i bibliog. za rubezhom, No.122, 1989. p.103-107, 115, 20 refs.

2-347   925.313
Beaujean, M.: **Kommission des Deutschen Bibliotheksinstituts für Sacherschließung**. Tätigkeitsberichte 1987. (Commission for Subject Indexing of the German Library Institute). (Orig. de). Bibliotheksdienst, Vol.22, No.4-5, 1988. p.412-414

2-348   925.77
Port, P.: **Die Arbeitsweise des KTS und ihre Auswirkungen auf die Arbeit anderer Gremien**. Nutzung und Zitierung der TID. (The working method of KTS (Committee on Terminology and Language Problems) and its impact on the work of other working groups). (Orig. de). In: Deutsche Gesellschaft für Dokumentation: 40 Jahre DGD - Perspektive Information. Dokumentartag Aachen, 27-29 Sept.1988. Frankfurt 1989. p.182-185

2-349   926; 485
Böllmann, E.: **Erstes Treffen der LIBER CONSPECTUS Group in London**. (First meeting of the LIBER CONSPECTUS Group in London). (Orig. de). Mitt.Vereinig.Österr.Biblioth. Vol.41, No.2, 1988. p.17-19
The first meeting was held in May 88. The group promotes the use of the CONSPECTUS classification scheme.

93 Organization of C & I on a National and International Level

2-350   934 SU
Vanskaja, G.P.; Gavrilina, N.V., Ivanova, O.A.: **Once more on centralized cataloguing**. (Orig. ru). Sov.bibliotekoved., No.3, 1989. p.49-53, 3 refs.
Proposal to let librarians do the centralized classification of books as the publishing houses seem to fail to do this properly. At the same time catalog cards could be generated with the notations of the BBK and the UDC.

95 Education and Training in C & I

See also 2-302

2-351   951
Fugmann, R.: **Unkenntnis - unser Schicksal**. (Lack of knowledge - our fate). (Orig. de). Mitt.bl.Ges.Dt.Chemiker, No.16, 1989. p.70-73
Pleads for the recognition of the necessity of subject knowledge for a correct functioning of procedures.

2-352   952
Kovacs, B.: **An educational challenge: Teaching cataloging and classification**. (Orig. en). Libr.Resources & Techn.Serv. Vol.33, No.4, 1989. p.374-381, 33 refs.
In recent years articles have appeared in the literature on the changing role of the cataloger, and complaints have arisen about the comprehensiveness of cataloging and classification courses offered in graduate library schools. This paper discusses the challenges of offering such courses and in presenting all the necessary information in introductory cataloging and classification courses for M.L.S. students. (Author)

98 User Studies

2-353   986
Craver, K.W.: **The influence of online catalogs on academic library use by college-bound high school seniors**. (Orig. en). RQ. Vol.28, No.2, 1988. p.220-231, 13 refs.

99 Standardization in C & I

See also 2-053

2-354   995
LINCE: a proposal for standardisation of database access languages. (Orig. pt). Cienc.Inform. Vol.17, No.2, 1988. p.141-145
The Brazilian Institute of Scientific and Technological Information (IBICT) and the Nuclear Information Centre of the National Commission for Nuclear Energy are developing a language, LINCE, which will be used for input to different computers. It operates through commands and will be used mainly for handling referral and bibliographic data. (Orig.abstr.,abridged)

2-355   996
Chan, L.M.: **A subject cataloging code?**. (Orig. en). Cat.& Classif.Quart. Vol.10, No.1-2, 1989. p.199-202, 4 refs.
Tries to answer the 4 questions: 1) What is a subject cataloging code? 2) Do we need a subject cataloging code? 3) Is it economically feasible to develop such a code at this point in time? and 4) Who will develop it?

2-356   997
Gavin, P.: **La collaboration dans l'indexation matières**. (Collaboration in subject indexing). (Orig. fr). Hors-texte, No.23, 1987. p.5-7
Pleads for the establishment of international standards for subject cataloging.

Personal Authors

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