

0 Form Divisions.

01 Bibliographies.

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

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

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

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

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

0006 016.757
Expert Systems: Industrial Applications. Latest citations from the Compendex Database. (Orig. en). Springfield, VA: NTIS 1993 PB90-8665387 supers.

The bibliography contains citations concerning the development and application of expert computer systems for industrial uses. The citations include references to inference logic, man-machine systems, and problem-solving aspects of expert systems. Industrial applications include flexible manufacturing, foundry practice, glass manufacture, metal working and machining. 250 citations and a subject term index and title list.

0007 016.78
Isaak, Ch.: Katsch, L.: **Kleine Bibliographie fachsprachlicher Untersuchungen.** Little bibliography of special language investigations. (Orig. de). In: Fachsprache Vol.16, No.3-4 1994, p.174-192
This is the 19th continuation of a bibliography started in 1976 as an appendix to the monograph of Lothar Hoffmann: Kommunikationsmittel Fachsprache. Eine Einführung (Communication through special languages. An introduction). Berlin: Akademie Verlag 1976 and having been published in all its continuations in the journal "Fachsprache".

03 Dictionaries, Terminologies.

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

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

0010 036.267
Rangra, V.K.: **Acronyms in information science & technology.** (Orig. en). Delhi: Aditya Prakashan 1993, X, 325p. ISBN: 81-85689-38-5

The book covers over 6500 acronyms with 7500 expansions in information science and technology covering processes, techniques, systems, institutions, associations concerning libraries, archives, information centers, computerized databases, systems and networks, management, etc. as well as related areas. (From review by S.B. Gosh in Ann. Lib. Sci. Doc. 41(1994)No.2, p.80).

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

0012 038-83
Board on Sci. & Technol. for Int. Development, US NRC: **Technology Fact Sheets.** (Orig. en). In: Information Development Vol.10, No.4 1994, p.288-291

Under this title the journal publishes in each issue one or more titles from a new series of fact sheets on information technology produced by the BOSTID (the Board mentioned) of the U.S. National Research Council. Ten fact sheets have been published so far; they comprise an introductory sheet and a glossary of frequently used computer terms including also an Internet primer, navigating the Internet, Fidonet, CD-ROM, and desktop publishing. Here 45 terms are defined.

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

04 Classification Systems and Thesauri.

041 General Classification Systems.

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

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

042 Universal Decimal Classification.

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

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

0019 042.2-fr
Classificatin Decimale Universelle: Edition Moyenne

Internationale, 2^{ed.} (Orig. fr). Liège, BE: Editions du CEFAL 1993, 628p. ISBN: 2-87130-037-2

The volumes contain as a Pt. 1 the systematic tables of classes 6-9 and as a Pt. 2 the index to these tables. In 1990 the Editions CLPCF in Liège had already published the auxiliary tables (1 A-1 K) and the systematic tables 0-5 as well as their index (ISBN 2-87130-024-0).

0019

042.5

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

043 Dewey Decimal Classification.

0020

043.4-fr

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

44 Library of Congress Classification and LCSH.

0021

044.8

Library of Congress Subject Headings, 17th ed.. (Orig. en). Washington, DC: Libr. of Congress Cat. & Distr. Service 1994, 4 vols. ISSN 1048-9711

The new edition adds 8,000 new headings and their references; LCSH now has a total of 206,300 headings and references. USD 190 for North America and 230 for outside N. America. There exists also a cumulative Microform Edition (LCSH 17th ed. on Microfiche), distributed quarterly (ISSN 0361-5243), annual subscription USD 95/110 and Update Services (2 updates for 1994, also for 1993 and 1992). Also, an LC Subject Headings Weekly List (ISSN 8755-6146) (for USD 435/465) is available, an up-to-date source of the latest subject authority information on new, changed, and deleted headings, distributed monthly.

0022

044.8-en

CDMARC Subjects. (Orig. en). Washington, DC: Library of Congress Cat. & Distr. Service 1994. ISSN 1041-2956

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

048 Special Classification Systems and Thesauri.

0023

048-25/27

New and revised Chemical Abstracts indexing terms - 1992. (Orig. en). Columbus, OH: Amer. Chem. Serv. 1992, 42p.

0024

048-39

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

0025

048-46,796

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

The multilingual thesaurus of the Agricultural Research Information System is published by FAO, Rome. It was started in 1985 under the

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

0026

048-572

Department of Labor, Bureau of Labor Statistics: **Dictionary of Occupational Titles (Datafile).** (Orig. en). Springfield, VA: NTIS 1994? PB87-194528ADR

This publication is a compilation of 12,099 coded job definitions classified in nine major categories, 82 two-digit divisions and 559 three-digit groups. 28,800 job titles are included with master titles and definitions, term titles and definitions, glossary terms, and 220 industry designation definitions. Each job definition is rated for estimated interests, aptitudes, educational development, vocational preparation, temperament worker traits, physical demands, and environmental conditions. (USD 240 inside USA, 480 outside). To order call: 703-487-4650. The "dictionary" is also available on magnetic tape.

0027

048-622

Caccia, I.: **Human rights thesaurus.** (Orig. en, fr). Ottawa, Canada: University of Ottawa, HRREC 1993, var. pagings

This thesaurus was elaborated within the Human Rights Research and Education Centre, Human Rights Internet of the University of Ottawa. It exists also in a French version.

0028

048-652

Pearce, H.J.: **Thesaurus of disability index terms.** (Orig. en). Gloucester, GB: GUIDE Inform. Centre, Glouc. Royal Hosp. 1993, 43p. ISBN: 0-9522171-0-4

The thesaurus of GUIDE (Gloucestershire Updated Information for Disabled and Elderly People) has been developed chiefly as a guide too the filing of reference materials and as a means of retrieving information from them. It consists of five sections: person, condition, treatment, service, and equipment - with a hierarchical structure and an index for the location of subjects within them. Subdivisions within the sections are allocated a running number which is used both for filing and for cross-referral from the index. (From the book-review by A. McCarthy, in Indexer, 19(1994) No. 2, p. 143.

0029

048-71/2

Deutscher Industrie- und Handelstag: **Systematik für IHK-Bibliotheken. 2. Ausgabe.** Classification system for libraries of Houses of Commerce, 2nd ed.. (Orig. de). Bonn, DE: DIHT, Arb. Kreis Kammerbibliotheken 1992

0030

048-72

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

0031

048-728

US Office of Management and Budget: **Standard Industrial Classification (SIC) Manual.** (Orig. en). Springfield, VA: NTIS 1994?, 705p. PB87-100012ADR

The manual provides the standardized codes used by the U.S. Government to classify businesses by type of activity. There are also microcomputer versions available. To order call USA 703-487-4650.

0032

048-76

Department of Commerce, Bureau of the Census: **Industry & Product Classification Manual and Numerical List of Manufactured & Mineral Products.** (Orig. en). Springfield, VA: NTIS 1992. PB89-203772ADR and PB89-238042ADR

The Industry and Product Classification Manual covers the industries of transportation, communications, electric, gas, and sanitary services, wholesale trade, retail trade, and services divisions. The Numeri-

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

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

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

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

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

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

05 Periodicals and Serials.

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

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

06 Conference Reports, Proceedings.

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

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

Knowl. Org. 22(1995) No. 1
Knowl. Org. Literature 22(1995)

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

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

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

0045 06.93-08-17/18
Heiner-Freiling, M.: **Verbale Sacherschließung in den neunziger Jahren: eine internationale Tagung in Lissabon**. Verbal subject indexing in the nineties: An international conference in Lisbon. (Orig. de). In: Z. Bibl. u. Bibliographie Vol. 41, No. 2 1994, p. 244-246
Report on the conference which assembled 65 participants from 15 countries with presentations of the subject indexing systems of Brazil, Canada, Croatia, France, Germany, Iran, Poland, Portugal, Spain, Great Britain, and USA.

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

0047 06.93-11-1/5, 121
Wess, S.: Althoff, K.-D., Richter, M. M.: **Topics in Case-Based Reasoning**. First European Workshop, EWCBR-93, Kaiserslautern, Germany, Nov. 1-5, 1993. Selected Papers. (Orig. en). Berlin/Heidelberg: Springer Verlag 1994, IX, 471p. ISBN: 3-540-58330-0
Presentation of the 36 full refereed papers. Case-based reasoning supports knowledge acquisition and problem solving, it is related to machine learning, analogical reasoning, cognitive modeling, similarity and information retrieval.

0048 06.94-05-13/14, 31
Wolner, Th. J.: **American Society of Indexers. Annual Conference. Wilson Award. Key Words**. (Orig. en). In: Indexer Vol. 19, No. 2 1994, p. 125-126
Reports on the 28th Annual Meeting of ASI, held at San Diego, California, May 13-14, 1994; the Wilson Award, which was given to Patricia Deminna of Santa Rose, CA; and on the papers of Key Words 93-5 and 6.

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

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

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

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

0052 06.94-07-15/17
Kessel, Sh.: **SI Meets at Norwich.** (Orig. en). In: KeyWords Vol.2, No.5 1994, p.9

Report on the program of the annual meeting of the Society of Indexers in Norwich, GB, seen from an American point of view.

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

0054 06.94-09-14/16
Stancikova, P.; Dahlberg, I. (Eds.): **Environmental Knowledge Organization and Information Management. Supplement Volume.** Proceedings 1st European ISKO Conference, 14-16 Sept. 1994, Bratislava, Slovakia. (Orig. en). Frankfurt/Main: INDEKS Verlag 1995, 96p. ISBN: 3-88672-601-0

The supplement volume contains 12 papers which were not available before the conference in order to be included into the main volume (see Knowl.Org. Literature 21(1994)No.4, p.247). It contains also the three "country reports" by A. Moshiri, S. Ramotowska, and A. Brown as well as the Recommendations discussed with the reports of the chairpersons at the final conference session. List of participants and name and subject index.

0055 Unger, F.: **Global environmental challenges: An approach towards a new integrative science.** - 0056 Felluga, B.; Palmera, M.; Lucke, S.; Plini, P.: **A classification scheme for a general multilingual Thesaurus for the Environment.** - 0057 Bendahmane, H.: **The INFOTERRA Thesaurus of Environmental Terms.** - 0058 Kjellström, T.; Ahman, I.G.V.; Pfister, A.-M.; Lewalle, P.: **Tools for the organization of information in health and environment.** - 0059 Pollitt, A. St.; Ellis, G.P.; Smith, M.P.: **Using the thesaurus to view and filter environmental databases: An example using EUROVOCS search EPOQUE - the European Parliament Online Query System.** - 0060 Benking, H.; Brauer, G.W.: **Visual access and assimilation strategies for prestructuring bodies of environmental knowledge - Proposals and lessons learned.** - 0061 Krull, T.: **Some scientometric data about ecological journal publications.** - 0062 Belov, A.: **Towards the compilation of national bi-lingual environmental glossaries.** - 0063 Dusha, I.: **Towards the establishment of an Environmental Information System in Slovakia.**

0064 06.94-09-21/22, 117
Bertino, E.; Urban, S.: **Object-Oriented Methodologies and Systems.** International Symposium ISCOOMS'94, Palermo, Italy, Sept. 21-22, 1994. Proceedings. (Orig. en). Berlin/Heidelberg: Springer Verlag 1994, X, 386p. ISBN: 3-540-58451-X

The 25 full papers included cover not only technical areas of object-orientation, such as databases, programming languages, and methodological aspects, but also application areas.

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

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

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

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

0068 06.94-10-5/8
Int. Feder. for Information and Documentation: **47th FID Conference and Congress.** Finding New Values and Uses of Information. Sosnic City Omiya, Saitama, Japan, Oct. 5-8, 1994. (Orig. en). 1994
Available via FID, The Hague, P.O. Box 90402 Netherlands.

The volume contains 141 papers presented in 12 Sessions. The following papers are of relevance in this context:

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

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

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

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

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

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

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

07 Text Books

See also 0168, 0169, 0230, 0231, 0234

08 Other Monographs

See also 0225

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

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

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

09 Standards, Guidelines.

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

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

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

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

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

1 Theoretical Foundations and General Problems

11 Order and Knowledge Organization (KO)

See also 0064, 0197, 0218

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

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

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

12 Conceptology in KO

See also 0047, 0152

13 Mathematics in KO

See also 0180, 0217

14 Systems Theory and KO.

See also 0215

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

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

15 Psychology and KO.

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

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

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

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

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

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

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

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

16 Science and Knowledge Organization.

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

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

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

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

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

Bryce Allen, who reviewed this book for *Inform. Processing & Management* (31(8)1995) No.2, p.261-2 pointed out that the chapters "Why investigate metacognition?" and "Methodological problems and pitfalls in the study of human metacognition" may be of great interest to readers who wish a survey of this area of research. There are also chapters on phenomena of metacognition such as tip-of-the-tongue events, the feeling of knowing and memory monitoring, links of metacognition to neurophysiology and individual differences associated with aging. Applied research is also included in chapters on eyewitness recall, training and problem solving.

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

17 Problems in KO.

See also 0232 (179), 0239 (173), 0240

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

18 Classification Research

See also 0003, 0171, 0233

19 History of KO.

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

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

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

21 General Questions of CS & T.

see also 0160, 0227, 0236

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

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

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

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

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

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

0137 218
Jurcackova, Z.: **Theoretical aspects of an information retrieval language application.** (Orig. sk). In: *Kniznice a Informacie* Vol.24 , No.10 1992, p.425-428

22 Structure and Elements of CS & T.

0138 226,982
Franz, L.: Powell, J., Jude, S., Drabenstott, K.M.: **End-user understanding of subdivided subject headings.** (Orig. en). In: *Libr.Resources & Techn.Serv.* Vol.38 , No.3 1994, p.213-226

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

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

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

23 Construction of CS & T.

0142 233,276
Negrini, G.: **CLASTHES: a thesaurus facet creator.** (Orig. en). In: *Libr.Sci.Slant Doc.Inf.Stud.* Vol.31 , No.1 1994, p.1-12, 6 refs.
Description of CLASTHES, a specific software package created on an Apple Macintosh II fx platform by the ISRDS in order to structure a system of concepts defined both as the conceptual expression of the structural relationship of a whole - i.e., the image of the external structure of the system - and as the structural relationship between the individual elements within the system itself. The external structure, which is the general structure of the system, is created by means of thesaurus facets, here defined as areas, while the internal structure is represented by the relationships linking the single elements attributed to the various areas. (Author)

24 Relationships.

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

0144 242
Mereologies. (Orig. en). In: *Axiomathes* Vol.5 , No.1 1994, p.5-175
The entire issue of this journal is devoted to various aspects of the partition relationship, here named Mereology. After an introduction by L. Albertazzi and M. Libardo the following articles are presented in English except for one in German. As the articles are well founded on existing literature we are giving in the following also the number of references in each case.

0145 Libardi, M.: **Applications and limits of mereology.** From the theory of parts to the theory of wholes (21 refs.). - 0146 Baumgartner, W.: **Simons, P.: Brentano's mereology (83 refs.).** - 0147 Henry, D.P.: **Impenetrability, overlapping, and connumeration (37 refs.).** - 0148 Kaiser El-Safti, M.: **Carl Stumpfs Lehre vom Ganzen und den Teilen (75 refs.).** The teachings of C. Stumpf on the whole and the parts. - 0149 Willard, D.: **Mereological essentialism restricted (13 refs.).** - 0150 Albertazzi, L.: **The psychological whole. 1: The temporal parts of presentation (116 refs.).**

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

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

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

25 Numerical Taxonomy.

0154 253
Shah, K.L.: **Interpreting readership data: a new multivariate approach through visualization.** (Orig. en). In: *Libr.Sci.Slant Doc.Inf.Stud.* Vol.30 , No.3 1993, p.103-117, 6 refs.

Multivariate Analysis is a fresh wave of data analysis in informetrics in general and the readership data in particular, where most of the data are continuous or/and categorical. The already published categorical data are popularly called Correspondence Analysis (CA). (The method can also combine continuous and categorical data for the analysis and also provide further results based on CA). The method utilizes PCA approach to reduce the dimensionality of the row-column data and offers several options to analyse the categorical data and provides visualization of the row and column points for easy interpretation. (Author, abbr.)

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

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

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

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

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

26 Notation, Codes.

See also 0009, 0010, 0106, 0107

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

27 Revision and Maintenance of CS and T

See also 0142

28 Compatibility and Concordances between Indexing Languages.

See also 0228

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

0162 284
 Nöther, I.: **Modell einer Konkordanz-Klassifikation für Systematische Kataloge, Teil 2.** Model of a concordance classification system for systematic catalogues, Part 2. (Orig. de). In: Bibliotheksdienst Vol.28, No.2 1994, p.175-187, refs.
 Four classification systems were investigated in order to select the most suitable for a concordance classification between systematic catalogues. The Dewey Decimal Classification was considered the best one. A model is now being tested in general subjects such as music and arts.

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

0164 284
 Department of Commerce, Bureau of the Census: **Concordance between the Standard Industrial Classification of the U.S. and Canada.** (Orig. en). Springfield, VA: NTIS 1993?, 262p. PB91-155291ADR

The concordance was jointly prepared by the US Dept. of Commerce and Statistics Canada. It presents a concordance between the 1987 U.S. Standard Industrial Code (SIC) and the 1980 Canadian SIC. It identifies the two national SICs and provides a standard for relating establishment-based statistical data collected and published by the two other countries, in terms of one or the other SIC.

29 Evaluation of CS & T.

0165 291
 Bingi, R.: Khazanchi, D., Yadaw, S.S.B.: **A framework for the comparative analysis and evaluation of knowledge representation schemes.** (Orig. en). In: Inform. Process. & Management Vol.31, No.2 1995, p.233-247, 53 refs.

The dimensions of the framework suggest that knowledge representation schemes should possess a suitable mix of four basic considerations: Representational adequacy (variety of expressiveness, modularity, semantics, and organization of knowledge); inference methods (reasoning strategies, data, control and search strategies); and inference requirements (computational efficiency, transparency of line of control, completeness, and consistency). (Authors, abbr.)

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

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

31 Theory of Classing and Indexing.

See also 0004, 0039, 0048

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

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

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

0170 311.851
 Wellisch, H.H.: **Book and periodical indexing.** (Orig. en). In: J. Amer. Soc. Inform. Sci. Vol.45, No.8 1994, p.620-627

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

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

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

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

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

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

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

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

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

32 Subject Analysis.

See also 0195

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

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

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

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

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

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

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

0186 324
Molina, M.P.: **Interdisciplinary approaches to the concept and practice of written text documentary content analysis (WTDCA).** (Orig. en). In: *J.Doc.* Vol.50, No.2 1994, p.111-133, 39 refs.

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

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

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

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

33 Classing and Indexing Techniques.

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

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

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

34 Automatic Classing and Indexing.

See also 0212

0194 341
Lepsky, K.: **Maschinelle Indexierung von Titelaufnahmen zur Verbesserung der sachlichen Erschließung in Online-Publikumskatalogen.** Machine indexing of bibliographic records to improve subject access in OPACs. (Orig. de). Köln, DE: Greven 1994, V, 121 p. Kölner Arb.Bibl.u.Dok.wes.18 ISBN:3-7743-0572-2

0195 343, 323
Salton, G.: Allen, J., Buckley, C., Singhal, A.: **Automatic analysis, theme generation, and summarization of machine-readable data.** (Orig. en). In: *Science* Vol.264, No.5164 1994, p.1421-1426, 15 refs.

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

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

0198 348
 Chen, H.: Hsu, P., Orwig, R., Hoopes, L., Nunamaker, J.F.: **Automatic concept classification of text from electronic meetings.** (Orig. en). In: Comm.ACM Vol.37, No.10 1994, p.56-73, 25 refs.
 Results from research into adopting an AI approach to designing an automatic concept classification tool for electronic brainstorming output. Through extensive content analysis, concept space generation, and neural network-based concept classification, the system can generate a tentative list of important ideas and topics presented in meeting comments. Participants can examine, revise or augment the system's suggested list.

35 Manual and Automatic Ordering.

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

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

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

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

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

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

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

0206 358-49
 DeFelice, B.: Rinaldo, C.: **Crossing subject boundaries: Collection management of environmental studies in a multi-library system.** (Orig. en). In: Libr.Resources & Techn.Serv. Vol.38, No.4 1994, p.333-341, 26 refs.

36 Coding.

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

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

37 Reclassification.

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

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

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

38 Index Generation and Programs.

See also 0005, 0109

0210 382
 Sher, D.N.: **Poetry in indexes.** (Orig. en). In: Indexer Vol.19, No.2 1994, p.102-104, 10 refs.

Indexers are compared to poets: for both groups the basic tool of trade is language, including the relationships of words, ideas, and concepts. Emphasized is the creativity of both groups in extracting, condensing, and arranging language to guide their audiences to their objectives.

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

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

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

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

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

To be continued in the next issue