CLASSIFICATION LITERATURE

Vol. 5 (1978) No. 1 (3083–3461)

0 Form Divisions

01 Bibliographies

3083 Aa, H. J. van der: **Thesaurus bibliography.** Amsterdam: Studiecentrum NOVI 1977. 85 p.
ISBN 90 6298 073 2
In alphabetical order of authors or editors list of thesauri as well as literature on thesauri. Alphabetical subject index referring to authors.

3084 **Bibliographic Bulletin of the Clearinghouse at IINTE:** Supplement 1976. Warsaw: Institute for Scientific, Technical and Economic Information (IINTE) 1977. 93 p.
Annual supplement of bibliographic items relating to thesauri and classification systems

3085 Häfner, C.: **Inventory of thesauri.** (Bestandsverzeichnis Thesauri. Stand: 1. 1. 1977.) Frankfurt: Deutsche Gesellschaft für Dokumentation DGD-ZDOK 1977. 14 p.
Lists 197 thesauri and their different editions as collected in the library of the German Documentation Society, of which 70 are in the German language. Arrangement in 17 broad groupings.

3086 MacCafferty, M. (Comp.): **Thesauri and thesauri construction.** London: Aslib 1977. XVII, 190 p. = Aslib Bibliography 7, ISBN 085142-102-4, £ 10,–
Bibliography of 825 references mostly annotated, period 1970–1976. Most of the material listed is in the Aslib library, available for loan. Arrangement under broad subject categories.

3087 **Thesauri: Relação Bibliográfica.** Vol. 5, 1971–1975 (Volume cumulativo). Lisbon: Junta de Investigaçoes Cientificas do Ultramar, Centro de Documentaçao 1977. 72 p.
Bibliography comprises 817 brief entries arranged according to the UDC.

03 Dictionaries, Terminologies

3088 Brunet, L., Marin Ibanez, M. R., Lubovskij, V.I., Søndergard, N.: **Terminology: Special education** (Title also in S,F,R). Paris: Unesco, Intern. Bureau of Education 1977. 368 p.
Four language glossary meant as a preliminary edition.

3089 Harrod, L. M. (Compl.): **The librarian's glossary of terms used in librarianship, documentation and the book crafts and reference book.** 4th rev. ed. London: A. Deutsch 1977. 903 p., £ 15,–, ISBN 0-233-96744-3

3090 Suslova, I. M., Ulanova, L. N. (Comp.); Čubarjan, O. S. (Ed.): **A dictionary of library terms.** (In Russian). Moskva: Kniga 1976. 224 p.
Over 500 entries with definitions from textbooks, monographs, research papers, library guidance material and periodicals. A subject list is appended in which the entry terms are distributed under coherent thematic groups. A bibliography of the sources is given. (Authors, abbr.)

3091 **Glossar.** Bd. I: Linguistik, Datenverarbeitung, I und D; einige Begriffe und Definitionen. Bd. 2: Information und Dokumentation; Grundbegriffe. (In German). Luxemburg: Kommission der Europäischen Gemeinschaften, Terminologiebüro 1977. 500 p.
3-lingual glossary for linguistics, data processing and information and documentation arranged in broad subject categories (basic concepts and definitions). Contains also an index in E, D and F.

3092 Chazanov, P. E.: **Problems of unification of the terminological system of automated information services** (In Russian). In: Organiz. u. funkcionir. avtomatizir. banka ekon. dannych. Moskva 1976. p. 71–112, 30 refs.
Definitions to 245 terms in the field of computerbased information systems.

3093 Stiehl, U.: **Satzwörterbuch des Buch- und Verlagswesens.** Dictionary of book publishing. München: Verlag Dokumentation 1977. 538 p., DM 88,–;
ISBN 3-7940-4147-X
Contains 12 000 entries in German with English equivalents and examples of use in contexts.

3094 Avedon, D. M.: **Microfilm generation and polarity terminology.** In: Spec. Libr. 68 (1977) No.4, p.141–144
Review of the terminology used in producing and using duplicate and master microforms. A glossary is included (24 definitions).

3095 DIN 19060. **Begriffe der Reprographie.** (Reprographic concepts.) Draft. Berlin: Beuth-Verlag 1977. 56 p.

3096 Cudden, J. A.: **A dictionary of literary terms.** London: A Deutsch 1977. 745 p.

04 Classification Systems and Thesauri

043 Dewey Decimal Classification, DDC

3097 **Selective Hindi Dewey Decimal Classification and Relative Index.** Transl. and adapted by Prabhu Narayan Gour, based on 18th ed. of DDC. Albany, N.Y., Forest Press 1976.

04–01/09 Special Classification Systems – Objects

3098 Kelly, K. L., Judd, D. B.: **COLOR. Universal language and dictionary of names.** Washington, D.C.: U.S. Governm. Printing Office 1976. 159 p., $ 3.25
The Universal Color Language brings together all the color-order systems and methods of designating color. It interrelates them in six correlated levels of fineness of color designation, each higher level indicating a finer division of the color solid. The dictionary comprises some 7500 color names previously defined by reference to 11 different sets of material standards. They are listed both alphabetically and by the Inter-Society Color Council (ASCC-NBS) color designation.

04–1/9 Special Classification Systems – Subjects

(order follows the divisions as given in I.C. 75–1, p.36)

3099 **INSPEC Classification 1977.** A classification scheme for physics, electrotechnology, computers and control. London: Institution of Electrical Engineers 1976. 88 p., ISBN 0-85296-438-2

3100 Zwirner, W. (Ed.) et al.; Deutsche Physikalische Gesellschaft e.V., Akad. d. Wiss. d. DDR: **Klassifikations-**

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system 1977/Classification Scheme 1977. Weinheim: Physik Verlag 1977. 74 p.
This classification scheme of the Physikalische Berichte 56 (1977) is a system of ordering for all fields of physics and related topics. It is a further development of a version in 1975 and 1976. All core fields as well as numerous related topics of physics have been coordinated with a system established by the WG Physics of the International Council of Scientific Unions – Abstracting Board in cooperation with the European Physical Society, the Institute of Physics, London, and the International Union of Pure and Applied Physics.

3101 **Thesaurus des internationalen nuklearen Informationssystems INIS:** Deutsche Ausgabe. Wien: International Atomic Energy Agency 1976. 655 p. = IAEA-INIS-13 (Rev. 10, D), $ 40,–
Complete translation of the English version, available from: ZAED, Kernforschungszentrum Karlsruhe, D–7514 Eggenstein-Leopoldshafen.

3102 Gorkovenko, K. A., Zaležskaja, N. V., Jankina, A. A. (Comps.): **Thesaurus for nuclear science and technology.** Lexico-semantic index. List of identifiers. Reactors. Accelerators. (In Russian). Moskva: Atomizdat 1976. 272 p.
List of identifiers for the "Reactors. Nuclear-powered vessels. Accelerators" section. It supplements the lexico-semantic index to the Thesaurus for nuclear science and technology. The volume lists foreign and Soviet-made reactors, etc. The names are filed by the English alphabet. Descriptors for concrete installations are entered together with brief summaries indicating the unit's physico-technical characteristics and specifying the respective INIS code. (Authors)

3104 **Electricité de France. Thésaurus.** 3rd ed. Paris: Impr. Jouve 1977. 1121 p.
Permuted alphabetical list. List with semantic fields and arrow graphs.

3105 **GEOREF Thesaurus and Guide to Indexing.** Falls Church, Va.: GeoRef Amer. Geol. Inst. 1977. X, 391 p.
Contains about 9000 terms, the majority of which are geographic place names. Produced from computer file.

3106 **Thesaurus of Health Education Terminology:** HEIRS (Health Education Information Retrieval System). Atlanta, Ga.: U.S. Public Health Service. Center for Disease Control. Bureau of Health Education 1976. 209 p.
Main part in alphabetical arrangement. Information available from: Health Education Div., Suite 212, 550 N. Broadway, Baltimore, Md. 21205, USA.

3107 Schmidt, Heiner (Comp.): **Dachthesaurus Pädagogik.** Verzeichnis der Vorzugsbenennungen und Nichtdeskriptoren einschl. d. kategorialen Verknüpfungsbegriffe in der Literaturinformation der Duisburger Lehrbücherei: Zugleich Gesamtsachindex zur Erziehungswissenschaftlichen Dokumentation. Weinheim/Basel: Beltz Verl. 1976. XII, 909 p., DM 148,–, ISBN 3-407-15011-3
Alphabetic subject index to the contents of series A, B and C of "Erziehungswissenschaftliche Dokumentation", 1968–1971 and a subject-category list ("Facettenregister") where the descriptors are arranged in 45 facets of six columns each displaying their systematic relationships. Alphabetic index to the terms in the subject-category list.

3108 **Thesaurus éducation permanente.** Montrouge: Agence Nationale pour le Developpement de l'Education Permanente (ADEP) 1977. no pag., 23 x 32 cm

3109 **Thesaurus de termos de interesse rodoviario.** (Road construction thesaurus) (In Portuguese). In: Inst. pesquisas rodoviar. Publ. 1976. No. 615, 95 p.
Portuguese version of the OECD-English-French-German road construction thesaurus consisting of three parts: the subject headings, the list of terms grouped under subject headings and an alphabetical listing of terms.

3110 **Thesaurus CIDST.** Luxemburg: Commission of the European Communities. Directorate General Scientific and Technical Documentation and Information Management 1976. 13 p.
Pt. 1: Cumulative alphabetical listing; Pt. 2: Microthesauri; ca. 200 descriptors.

3111 **Tesauro de Telecomunicaciones: Version Preliminar. Biblioteca Tecnica.** (In Spanish). Santiago, Chile: Empresa Nacional de Telecomunicaciones S.A. 1977. 3 vols.
Contains three parts: 1) alphabetical list of descriptors with relationships, 2) dictionary with definitions and 3) multilingual dictionaly S, E. F, D.

3112 Radulescu, N., Jordan, H.-J., Weisbrod, F. (Comps.): **Thesaurus Pädagogik.** Suppl. 3: Fachwissenschaft im Unterricht. Teil: **Musik.** (In German). Berlin: Pädagogisches Zentrum 1977. 53 p.
The thesaurus for music education and musicology is meant as a complement to the thesaurus for education.

05 Periodicals and Serials

3113 **ISBN Review.** Internationale Standard-Buchnummer. Numéro normalisé international du livre. Meždunarodnyj standartnyj knižnyj nomer. International Standard Book Number. München: Verlag Dokumentation 1 (1977) No. 1
The preface of the first issue of this new journal states that the International ISBN Agency works since July 1972 and that it seemed appropriate to publish a periodical about the international use, administration and progress of the ISBN system in the world. The issue contains an introduction into the ISBN System, a Status Report of the International ISBN Agency (c/o Staatsbibliothek Preußischer Kulturbesitz, Potsdamer Str. 33, 1000 Berlin 30), addresses of the national ISBN agencies and 8 articles as well as a bibliography (63 items).

3114 **METAMED. An International Journal for Metatheory and Methodology of Medicine.** Tecklenburg-West Germany: Burg Verlag 1 (1977) No.1/2;4x/ann., DM 48,– (address for subscriptions: Postfach 1247, D–4512 Tecklenburg)
This new journal is concerned with 1) syntax and semantics of the medical language, 2) problems and methods of medical concept formation, 3) clinical judgement, 4) methods and problems of construction, testing, justification, teaching, and application of medical hypotheses and theories, 5) new methods of problem solving in medical research and practice. Its editor: Kazem Sadegh-zadeh, Universität Münster, Inst. f. Theorie u. Geschichte d. Medizin, Waldeyerstr. 20, D–4400 Münster.

3115 **Sprache und Datenverarbeitung.** Tübingen: Max Niemeyer Verlag 1977; 2x/ann. DM 48,–
This new journal is devoted to all fields concerned with computerized treatment of natural language in the fields: text analysis, documentation and information retrieval, artificial intelligence, statistical linguistics, machine translation, computer assisted instruction, data processing in education, computer science, and information science. No.1 contains 9 articles, 4 reports and some news. Its editors: Prof. Dr. W. Lenders, Bonn, and Prof. Dr. H. Zimmermann, Regensburg.

3116 **CCL. Current Contents © Linguistik.** Inhaltsverzeichnisse linguistischer Fachzeitschriften. Frankfurt/Main: Stadt- und Universitätsbibliothek Frankfurt am Main. Sondersammelgebiet Linguistik (7.11). (1977) 1. Lfg. ca. 125 S. (ann. subscr. DM 45,–)
Appears 6 times per year and announces (by reprinting the contents lists) the contents of around 160 periodicals concerned with language and literature from all over the world.

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06 Conference Reports, Proceedings

See also 3410, 3414, 3416, 3433

3117 **VDI-Tagung. Aufgaben der Sprache in unserer Zeit.** (Conference of the Assoc. of German Engineers: Tasks of Language in our time) Düsseldorf, 6–7 March 1975. In: Muttersprache 87 (1977) No.2, p. 65–141
Contains the text of the 7 lectures of this conference with an introduction by D. Möhn and H.-R. Spiegel concerning promotion and improvement of technical language, terminology. 3118 Möhn, D.: Ziele und Ergebnisse der Fachsprachenforschung und der Terminologiearbeit. – 3119 Ischreyt, H.: Sprachfragen in den Wissenschaften. – 3120 Häfele, M.: Anforderungen der betrieblichen Wirklichkeit an die Sprache. – 3121 Bachrach, J. A.: Möglichkeiten und Probleme internationaler Kommunikation. – 3112 Priesemann, G.: Die Fachsprachen des Unterrichts und das Problem der Verständigung – ein Ziel der Ingenieurausbildung. – 3124 Haber, H.: Die Vermenschlichung des Lehrens und der Verbreitung des Wissens durch die Medien.

3125 Heger, K., Petöfi, J. S. (Ed.): **Kasustheorie – Klassifikation – Semantische Interpretation.** Beiträge zur Textlinguistik/Papers in Textlinguistics, Bd. 11
Contains the papers of a colloquy of April 1975 with the title: "Kasus-labels, mehrsortige-logische Konstrukte und handlungstheoretische Elemente in der Grammatik" and 3 additional papers (by Oberschelp and Petöfi). Since most of them have some relation to classification they may be listed here: 3126 Fillmore, Ch. J.: The case for case reopened. – 3127 Finke, P.: Aristoteles, Kant, Fillmore. Ein Diskussionsbeitrag zur Metaphysik der Kasusgrammatik. – 3128 Heger, K.: Aktantenfunktionen und abstrakte Kasus. – 3129 Raible, W.: Partitiv, Akkusativ und Nominativ als Objekt. – 3130 Samlowski, W.: Case systems in Artificial Intelligence. – 3131 Dahlberg, I.: Grundprobleme der Klassifikation. – 3132 Jansen, L. M.: Linguistische Beiträge zur semantischen Klassifikation von Substantiven. Ein Überblick. – 3133 Jansen, L. M.: Aspekte der Klassifikation von Verben. – 3134 Neubauer, F.: Aspekte der Klassifikation von Adjektiven. – 3135 Oberschelp, A.: Eine erweiterte Prädikatenlogik. – 3136 Oberschelp, A.: Ein Ansatz zur Berücksichtigung von Sprechhandlungen in der Prädikatenlogik. – 3137 Zifonun, G.: Die Konstruktsprache KS. Entwurf eines Darstellungsmittels für natürlichsprachlich formulierte Information. – 3138 Petöfi, J. S.: Some aspects of a multi-purpose thesaurus.– 3139 Petöfi, J. S.: Textrepräsentation und Lexikon als semantische Netzwerke.

3140 Carosella, M. P. (Ed.): **Atti del Seminario di studi sulla CDU** (Roma 22 settembre 1975). Roma: Consiglio Nationale delle Ricerche 1977. 128 p.
Contains the 10 papers discussed during the UDC-Seminar in Rome, 22nd of Sept. 1975 with an introduction by G.Lorphèvre. The papers and discussions are in Italian only: 3141 Sydler, J. P.: La CDU e la meccanizzazione. – 3142 Schmidt, A. F.: La revisione generale della classe 0 della CDU. – 3143 Kofnovec, L.: Le funzioni dei linguaggi di indicizzazione e di reperimento nei sistemi nazionale ed internationali dell'informazione scientifica e tecnica. – 3144 Carosella, M. P.: Le edizioni italiane della CDU. – 3145 Negrini, G.: Esempio di utilizzazione della CDU come linguaggio di riferemento. – 3146 Ferrari-Toniolo, A.: Alcune esperienze nell'uso della CDU nel campo delle telecomunicazioni e dell'elettronica applicata. – 3147 Tavasse La Greca, M. T.: Per una classificazione della teologia pastorale. – 3148 Chiapetti, F. S.: Esempi de applicazione della CDU, con particolare riferimento ai thesauri. – 3149 Soriano, P.: Possibilità aperte dal calcolatore per una maggiore utilizzazione della CDU. – 3150 Terzi, P.: CDU, rapporti mentali e descrittori. L'esperienza IDAMI.

3151 Laubsch, J. H., Schneider, H.-J. (Eds.): **Dialoge in natiirlicher Sprache und Darstellung von Wissen.** Workshop (on natural language dialogs and knowledge representation), Freudenstadt, 17–19 March 1976. (In German). Freudenstadt: Gesellschaft für Informatik 1976. 266 p.
The volume contains 17 papers of the Special Interest Group on "Artificial Intelligence" of the Society for Informatics.

3152 Beeh, V., Löbner, S.: **Sprache und Wirklichkeit.** 2. Intern. Kolloquium in Biel (Schweiz) des Instituts für Methodologie, F.-Gonseth-Vereinigung, 30.4.–2.5.1976. (In German). In: Z. german. Linguistik 5 (1977) No.2, p. 222–226
Report on the colloquium about language and reality and its papers by M. Black, F. Bonsack, D. Davidson, P. Gochet, A. Graser, J. Hintikka, P. Janich, E. Kaeser, H. Lauener, J. Moravcsik, A. Stroll. The publication of the papers is foreseen in the journal 'Dialectica'.

3153 FID-Committee on Linguistics in Documentation: **Workshop in Linguistics and Information Science.** Stockholm, 3–5 May 1976.
The following papers have been presented: 3154 Austin, D.: Library science. Perspective paper. – 3155 Dijk, T. A. van: Complex semantic information processing. – 3156 Engstroem, G.: Some analogies between search strategies for syntactic structures and psychological behaviour. – 3157 Henriksen, T.: A linguistic description model for indexing languages. – 3158 Lancaster, F. W.: The relevance of linguistics to information science. – 3159 Mullenders, J., Noel, J.: LOUISA. Linguistically oriented unterstanding and indexing system for abstracts. – 3160 Karlgren, H.: Homeosemy: on the linguistics of information retrieval. – 3161 Sager, N.: Computational linguistics: steps towards application. – 3162 Sgall, P.: On some relationships of linguistics and information science. – 3163 Moskovich, W.: Quantitative linguistics. Perspective paper.

3164 Rieger, B.: **COLING 76: Concepts, Frames, and Scripts in aid of semantic networks, knowledge systems and fantasies.** (In German). In: Sprache u. Datenverarb. 1 (1977) No.1, p. 84–86
Report on this Conference, June 1976, Department of Linguistics, University of Ottawa including definitions of Concept, Frame and Script. Participation amounted to about 200 linguists from 20 countries.

3165 Treichler, W.: **European Centenary Seminar on Dewey Decimal Classification.** 26–30 Sept. 1976. Banbury. (In German). In: Nachr./Nouv./Notiz. 52 (1976) No.5, p. 191–196
The report is appended by French summaries of 7 of the papers given at the Seminar.

3166 Leclercq, H.: **Terminologies, multilinguisme et automatisation.** (In French). In: Intern. Classificat. 4 (1977) No.2, p. 102–103
Report on the Third European Congress on Information Systems and Networks "Overcoming the Language Barrier", which took place on May 3–6, 1977 in Luxemburg.

3167 Schuck, H. J.: **Die Überwindung der Sprachbarrieren.** Dritter europäischer Kongreß über Dokumentationssysteme und -netze. (In German). In: Sprachmittler (1977) No.3, p. 86–93
Summarizes the results of the third European Congress on Information Systems and Networks regarding promotion of multilingualism, multilingual terminology, computer-supportet translation, multilingual thesauri, automatic translation.

3168 Dahlberg, W.: **First Conference of the German Classification Society.** In: Intern. Classificat. 4 (1977) No.2, p. 103–104, 3 refs.
Short description of each of the 8 papers presented at this first conference of June 4, 1977 in Münster (Westphalia) devoted to the topic "Principles of Classification".

3169 **The 1977 Classification Society Meeting, USA.** In: Intern. Classificat. 4 (1977) No.2, p. 104–105
Mainly list of the 22 papers presented at the Dartmouth Meeting of the North American Branch of The Classification Society, June 7–9, 1977.

3170 Campos, A. T.: **Classification at the 9th Brazilian**

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Conference on Library Science and Documentation. In: Intern. Classificat. 4 (1977) No. 2, p. 105
Short report and list of the papers and lectures devoted to classification topics during the 9th Brazilian Library Science and Documentation Congress, Porto Allegre, July 3–8, 1977.

3171 Bock, H. H.: **First International Symposium on Data Analysis and Informatics.** In: Intern. Classificat. 4 (1977) No.2, p. 105
Short report on this Symposium which was organized by the Institut de Recherche d'Informatique et d'Automatique, Domaine de Voluceau-Rocquencourt 78150 Le Chesnay, France, Sept. 7–9, 1977

3172 Documentation Research and Training Centre (DRTC): **Annual Seminar 15.** Area A: Classification and indexing in the social sciences. Area B: Information for development planning. Bangalore, India: DRTC 1977. 216 + 291 p.
The papers of Area A, presented and discussed at the 15th Annual Seminar, Dec. 5–12, 1977, Bangalore are the following: 3173 Neelameghan, A., Maitra, R.: Non-hierarchical associative relationships in social sciences: identification and typology. – 3174 Jayarajan, P.: Management: its structure and development and the problems of classification. – 3175 Gangadhara Rao, P.: Classification problems in the "Geography" Class of DDC, 18th Ed. – 3176 Raghavan, K. S., Iyer, H.: Analysis of the structure of compound and complex subjects in social sciences: a case study. – 3177 Maitra, R.: Semi-automatic method of generating a microthesaurus: a case study in the field of the social sciences. – 3178 Gopinath, M. A., Maitra, R.: Postulate-based Permuted Subject Indexing (POPSI): methodology applied to social sciences. – 3179 Sakti Pada Das: An approach to the classification of "Source Materials in History" by Colon Classification. – 3180 Devadason, F. J.: Using a taxonomy of concepts by subject specialists for thesaurus construction: a case study.

07 Textbooks

3181 Foskett, A. C.: **The Subject Approach to Information.** 3rd ed. London: C. Bingley 1977; Hamden, Conn.: Linnet Books 1977. 476 p. ISBN 0-85157-238-3; ISBN 0-208-01546-9
Contains the following six parts: I: Theory of information retrieval systems. II: Precoordinate indexing systems. III: Precoordinate indexing languages. IV: Postcoordinate indexing systems. V: Postcoordinate indexing languages. VI: Evaluation of information retrieval systems. – Index.

3182 Van Slype, G.: **Conception et gestion des systèmes documentaires.** (In French). Paris: Les éditions d'Organisation 1977. 261 p.
Chapter III (p. 87–125) treats "Le langage documentaire" with regard to the understanding of the user, the organizer and the designer of a documentation system. Its Section 4 gives a short annotated bibliography on classification systems and thesauri. In Chapter IV the classification and indexing methods in the representation of documents is described in short.

09 Standards, guidelines

See also 3436

3183 **Monolingual information retrieval thesaurus: composition, structure, and format.** (In Russian). In: Normativ.-techn. dokumenty MCNTI (1976) Vyp.1, p. 5–11

3184 **Multilingual information retrieval thesaurus: composition, structure, and format.** (In Russian). In: Normativ.-techn. dokumenty MCNTI (1976) Vyp.1, p. 37–39

3185 **Construction rules for monolingual information retrieval thesauri.** (In Russian). In: Normativ.-techn. dokumenty MCNTI (1976) Vyp.1, p. 49–62

3186 **The set of information retrieval languages of the International Scientific and Technical Information System: requirements and composition.** (In Russian). In: Normativ.-techn. dokumenty MCNTI (1976) Vyp.1, p. 40–45

3187 **Methods for the standardization of abbreviation of Russian words and word groups.** (In Russian). Moskva: Gosudarstvennyj Komitet Standartov Soveta Ministrov SSSR (GOST). VNIIKI 1977. 39 p.

1 Theoretical Foundations of Classification

11 General Theory of Order

See also 3168

3188 Rescher, N.: **The systematization of knowledge.** In: Intern. Classificat. 4 (1977) No.2, p.73–75, 5 refs.
The concern is with factual empirical knowledge and with the advantages that systematicity of its organization can provide for theoretical and cognitive purposes. The advantages are seen in the three major and interrelated functions outlined briefly in the paper: (1) intelligibility, (2) rational organization, and (3) verification. As a consequence systematicity becomes a criterion for testing truth and for the acceptability of new knowledge-claims and their addition to the existing body of knowledge.

3189 Ramanna, R.: **Physical reality – is there any other.** In: Libr. Sci. Slant to Documentation 14 (1977) No.1, p.1–5, 2 refs.
Deals with differences in recognition of reality. Physical reality is determined by man's ability to observe mainly through sense organs. But from quantum mechanics we have learned to recognize that man has a non-quantum mechanical consciousness capable of assessing situations and making decisions. A totally concept-free observer cannot see any phenomena. Recognition thus depends on the levels of perception a human is capable of.

12 Conceptual Basis of Classification

3190 Aulin-Ahmavaara, A. Y.: **A general theory of acts, with application to the distinction between rational and irrational 'Social Cognition'.** In: Z.f.allg.Wiss.Theorie/J. f. Gen. Philosoph. of Sci. 8 (1977) No.2, p. 195–220, 3 refs.

3191 Bolton, N.: **Concept formation.** Oxford etc: Pergamon Press 1977. 163 p., £ 2.95 = ISBN 0 08 021494 0
Theoretical bases of concept formation – Conceptual development – implications (Concept formation and educational practice; Theoretical implications).

3192 Brookes, B. C.: **The developing cognitive viewpoint in information science.** In: J. of Informatics 1 (1977) No. 2, p. 55–62, 4 refs.
The Popperian idea of three worlds – the physical substratum, the mental states and 'recorded knowledge' – are combined with a theory of knowledge in which two mental processes are distinguished: a linear analytical process which interacts orthogonally with a logarithmic process of judgement. (Author, abbr.)

3193 **The Cognitive Viewpoint.** A selection of papers. In: Communication & Cognition 10 (1977) No.2, 159 p.
This issue contains a selection of papers presented at CC77, the international workshop on the Cognitive Viewpoint organized at Ghent by Communication and Cognition from March 24–26, 1977 at the occasion of its tenth anniversary. The selection is meant to be a representative sample of contributions but in no way it exhausts the papers which were presented. (For a report see Intern. Classificat. 4 (1977) No.1, p. 41–42). The following papers have been selected: 3194 De Mey, M.: The cognitive viewpoint: its development and its scope. – 3195 Cicourel, A. V.: Cognitive and linguistic aspects of social structure. – 3196 Eliasson, S.: Cognitive processes and models of language. – 3197 Lowenthal, F.: Games, graphs and the logic of language acquisition. – 3198 Wilks, Y.: Language boundaries and

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knowledge structures. Boden, M. A.: Cognitive science. An integrative approach to the mind. – 3199 Boullart, K. E.: Tragedy and cognition. – 3200 Gabbay, D. M., Kasher A.: On the quantifier 'there is a certain x'. – 3201 Sneed, J. D.: The structural approach to descriptive philosophy of science. – 3202 Goodwin, B. C.: Cognitive biology. – 3203 Grize, J.-B.: Les domaines de connaissance. – 3204 Moravcsik, J. M.: On understanding. – 3205 Apostel, L.: The cognitive point of view. A research program. Provisional state of the art and attempt towards an evaluation. – 3206 Bromme, R., Otte, M., Raeithel, A.: The cognitive viewpoint: the application and the growth of knowledge. (add. paper).

3207 Elentuch, I. P.: **Categorial analysis of the basic concepts of metrology** (In Russian). In: Vopr. filos. i sociol., Tomsk 1976. p. 53–66, 22 refs.
A methodological and categorical analysis of the basic concepts of metrology, namely 'quantity' and 'true value'.

3208 Janich, P.: **Ist Masse ein „theoretischer Begriff"?** (In German). In: Z. f. allg. Wiss. Theorie/J. f. Gen. Philosoph. of Sci. 8 (1977) No.2, p. 302–314
Demonstrates that one of the concepts termed "theoretical" by analytical philosophers of science, namely 'mass' may be defined explicitly, operationally and non-circular. Concludes that with the fall of such a central position of contemporary understanding of the language of physical or scientifical theories a systematic construction of terminologies becomes more promising.

3209 Ivanov, V. V.: **Common terms in the languages of science.** (In Russian). In: Vopr. kibernetiki (1977) No.17, p. 63–75, 36 refs.
Proposal for the unification of common terms in science languages.

3210 Krausser, P.: **Kant's schematism of the categories and the problem of pattern recognition.** In: Synthese 33 (1976) No.1, p. 175–

3211 Mertens, P.: **Die Theorie der Mustererkennung in den Wirtschaftswissenschaften.** (Theory of pattern recognition in political economy.) (In German). In: Z. f. betriebswirtsch. Forsch. 29 (1977) p. 777–794, 40 refs.
Pattern is understood here as a combination of characteristics. Shows the components of pattern recognition processes in general and within a hierarchical decision system. Application in political economy is shown in three examples from different fields in economics and technology. Discusses further applications in those fields where already cluster analysis and multivariate "technology" have been implemented.

3212 Sagatovskij, V. N.: **Analysis of the categorical structure of scientific knowledge.** (In Russian). In: Vopr. filos. i sociol., Tomsk 1976. p. 3–19, 32 refs.

13 Mathematics of Classification

3213 Borys, T.: **A criterion of qualitative homogeneity and its use in classification of objects.** (In Polish). In: Normalizacja 44 (1976) No.9, p. 12–15, 5 refs.

3214 Lerman, I. C.: **Mesure de proximité entre structures algébriques de même type sur un ensemble fini.** Application à la classification automatique. (Proximity measure between algebraic structures of the same type on a finite set.) (In French). In: Raisonnement méthodes math. archéol. Paris, CNRS (1977) p. 100–129, 6 refs.

14 Systemology and classification

3215 Doyle, P.: **Every object is a system:** a cognitive basis for system description. Wexford, Ireland: P. Doyle, Duncannon, New Ross Co., 1976. 250 p., £ 10.–

3216 Zavilišina, D. N., Lomov, B. F., Rubachin, V. F.: **Systemic structure of cognitive processes.** (In Russian). In: Psichol. probl. pererabotki znakovoj inform. Moskva 1977. p. 49–57, 7 refs.
Man's mind reflects the world in several alphabets simultaneously. The interaction of the alphabets is determined by the semantic systems which man possesses: 1) situational semantics, 2) semantics connected to 'universal human' standards and 3) individual semantics.

15 Psychology and Epistemology of Classification

3217 Keen, E. **M.: The need for psycholinguistic testing to solve practical problems in information retrieval.** In: J. of Informatics 1 (1977) No.2, p. 63–68, 9 refs., 3 tabl.
The concern is, how should indexes and esp. index entries be organized (theoretical problem) and displayed (practical problem) in order to facilitate ease of comprehension for the user.

3218 Institut Psichologii AN **SSSR: Psychological problems of processing of sign information.** (In Russian). Moskva: Nauka 1977. 276 p.
A collection of papers which (1) examine the close relationship and the basic differences between the sign and the mental image; the relationships of the concepts of 'sign', 'language', 'code', 'model', and 'symbol'; the psychological foundations of a functional classification of signs and their role in the cognitive activity; some distinctions and features of sign information processing as carried out by man and by electronic computer; problems of symbolic systems and some approaches to their solution etc.; (2) deal with a comparative analysis of mathematical, cybernetic and psychological methods employed by studies of the structure, origins, and dynamics of the processes of perception and processing of sign information, and (3) report on experiments of effective sign tools for training of operators and other practical applications (Author, abbr.)

3220 **Psychological problems in documentary systems.** (In Russian). Moskva: Nauč. sovet po kompleks. probl. 'Kibernetika' AN **SSSR** 1976. 51 p.

3219 Rebrova, M. P.: **An approach to modelling the process of perception in an automated information service.** (In Russian). In: Probl. inform. obsluživanija v avtomatizir. sistemach. Moskva 1976. p. 19–22, 2 refs.
A recognition algorithm is described which simulates the perception of information by the user of an automated information service. The process consists of 4 stages (3 stages of learning, one of recognition).

16 Development of Science and Classification

3221 Dimitrenko, V. A.: **Methodological problems of the science of science.** (In Russian). Tomsk: Tomskij Universitet 1977. 176 p.
Concerned with the historical, philosophical and theoretic aspects of the science of science. An elaborate draft programme of a university course in "Fundamentals of the General Theory of Science" is given. (Author, abbr.)

3222 Kazantseva, K. V., Ursul, A. D.: **Scientific information activity: structure, status and specifics.** In: Intern. Forum on Inform. & Doc. 2 (1977) No.3, p. 3–7, 16 refs.
In terms of a general theory of activity, an attempt is made to put scientific information work into the framework of social system research. To this end, the authors regard scientific information activity as the interaction of the subject, the object, the means, goals, results and conditions of the activity that constitute its structure. (Authors, abbr.)

3223 Lindsay, R. B. (Ed.): **Energy: historical development of the concept.** New York: Halsted Press (John Wiley & Sons) 1975. XIII + 369 p., author and subject indexes.
Lindsay has produced a series of papers representing authors as diverse as Aristotle, Hero of Alexandria, Descartes, Thomas Young, Lazare Carnot and Joule, 33 in all . . . from the review in ISIS 68 (1977) No. 243

3224 **Methodological problems of science.** (In Russian).

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Novosibirsk: Novosibirskij Universitet 1976. 162 p. = Sbornik naučnych trudov, vyp. 4
Collection of papers concerning topics in the methodology of natural and social sciences.

3225 Semenov, E. V., Semenova, N. N.: **Specifics of a philosophical definition of science.** (In Russian). In: Metedol. probl. nauki, 1976. Vyp.4, p. 28–37, 37 refs.
A philosophical definition of science should consider science from an aspect revealing the entire range of approaches adopted by the individual special sciences.

3226 Stiefel, Tina: **The heresy of science: a twelfth-century conceptual revolution.** In: ISIS 68 (1977) No. 243, p. 346–362
Traces the "earliest vision of the discipline of science" in some 12th century treatises.

17 Classification Problems

3227 Bett, C. E.: **Project to automate the Canadian Education Index: looking for a language.** In: Marshall, E., Paré, M. (Eds.): Proc. Third Open Conf. on Information Science. Ottawa 1975. p. 134–140
History of the project to automate the Canadian Education Index and problem of selecting a suitable language. PRECIS appeared to come closest to meeting the Index's requirements.
(Author, abbr.)

3228 Dahlberg, I.: **Book review of Year-Book of World Problems and Human Potential.** Bruxelles, Belgium: Union of International Associations and Mankind 2000, 1976. In: Intern. Classificat. 4 (1977) No.2, p. 114–115
Presentation of the content of an outstanding attempt to bring together in 13 sections of one volume all of the institutions, organizations, and concepts of disciplines, commodities, occupations, human development, world problems, diseases, values, etc. that mankind possesses. Critique concerning the selection and the organisation of the section dealing with the "disciplines" and recommendations for reception and further treatment of this volume. (In English)

3229 Judge, A. J. N.: **Knowledge-representation in a computer-supported environment.** In: Intern. Classificat. 4 (1977) No.2, p. 76–81, 23 refs.
Discussion of problems in knowledge handling policy and indication of new software and hardware possibilities expecially those making use of graphic representational devices. The necessity for a more adequate knowledge representation is demonstrated in 19 statements contrasting present documentation and information analysis procedures (as inadequate for current needs) with possibilities of future methods and measures. Reference is made to the consequent redefinition of relationships between conventional knowledge handling processes if only in the special institutional settings where this approach will most probably be adopted.
(Author)

3230 Linford, J. E.: **Effective subject control of administrative materials.** In: Official report of the African seminar for librarians and documentalists of administrative information services, 31 March–7 April 1975. Achimota: Ghana Institute of Management and Public Administration 1975. p. 200–210
It is reasoned that instead of using a general classification scheme one should rather adopt or develop a special one for the special demands of a center.

3231 Soergel, D.: **An automated encyclopedia – a solution of the information problem?** (Pt.1, Sect.1–4, pt.2, Sect. 5–10). In: Intern. Classificat. 4 (1977) No.1, p.4–10, No.2, p. 81–89, 40 refs.
Due to redundancy and lack of specific access, information transfer through the literature is costly in time to the user; it is also costly to the author who must repeat much context information before coming to his new contribution. A non-redundant data store or automated encyclopedia could alleviate these problems. The structure of such a data store and procedures for its creation from the literature by controlled removal of redundancy are described. However, an automated encyclopedia would create problems of its own. Its structure would be enormously complex and it would be very expensive to establish. Its acceptance by users and authors is by no means a given. Pilot projects in high-use areas such as medicine and drugs, or statistical methods, and in numerical data compilation are suggested to test the feasibility of an automated encyclopedia and determine a realistic scope for it. (Author)

3232 Svenonius, E.: **Natural language vs. controlled vocabulary.** In: Fourth Canadian Conf. on Information Science. Univ. of Western Ontario, London, Ont. May 11–14, 1976. Proc. Ottawa 1976. p. 141–150
Discussion of the concepts 'natural language and 'controlled vocabulary'. A vocabulary is regarded as controlled to the degree it permits the classification of terms. Bibliographical control cannot exist without vocabulary control. (Author)

19 History of Classification

3233 Klotz, D.: **Die Entwicklung der Sacherschließung in deutschen Öffentlichen Bibliotheken von 1900 bis 1945.** (The development of subject cataloguing in German Public Libraries 1900–1945.) In: Bibliothek I (1977) No.2, p. 71–93, 87 refs.

3234 Lee, J. M.: **E. Wyndham Hulme: a reconsideration.** In: Rayward, W. B. (Ed.): The variety of librarianship: essays in honour of John Wallace Metcalfe. Sydney: Libr. Assoc. of Australia 1976. p. 101–113
Recent work of the UK Classification Research Group has resulted in recognition of Hulme's concept of 'literary warrant'.

3235 Rayward, W. B.: **The search for subject access to The Catalogue of Scientific Papers 1800–1900.** In: Rayward, W. B. (Ed.): The variety of librarianship: essays in honour of John Wallace Metcalfe. Sydney: Libr. Assoc. of Australia 1976. p. 146–170
Traces the circumstances about the never accomplished subject index to the Royal Society's Catalogue of Scientific Papers in the 19th century, although a special indexing scheme was already devised.

3236 Rubanowice, R. J.: **Intellectual history and the organization of knowledge.** In: J. Libr. Hist. 10 (1975) p. 264–271

3237 Vasetti, R.: **Book revies of A. Serrai: Le Classificazioni. Idee e materiali per una teoria e per una storia.** Firenze: Olschki 1977. In: Intern. Classificat. 4 (1977) No. 2, p. 113–114
Positive presentation of a "contribution of ideas and material for the preparation of a general theory and history of classification", outlining thoughts and conclusions of over two hundred of the major philosophers concerned with classification, with the recommendation to foreign publishers to let this Italian contribution be translated soon. (In English).

3238 Fischer, Franz: **Book review of E. I. Šamurin: Geschichte der bibliothekarisch-bibliographischen Klassifikation. 2 Bde. in 1 Bd. Unveränderter Nachdruck d. Ausg. 1964–1967. München: Verl. Dokumentation 1977.** In: Börsenblatt (1977) No. 96 (Dec. 2, 77), p. 99–100
A carefully evaluating review of Šamurin's History of Library and Bibliographic Classification, Moscow 1959, reprinted in German recently concluding with the recommendation that everybody seriously concerned with classification must work himselves through these volumes. (In German).

3239 Zimmermann, D.: **Book review of E. I. Šamurin: Geschichte der bibliothekarisch-bibliographischen Klassifikation. 2 Bd. in 1 Bd. Unveränderter Nachdruck d. Ausg. 1964–67. München: Verlag Dokumentation 1977.** In: Intern. Classificat. 4 (1977) No.2, p. 112–113
An appreciative review ("for his honest presentation of a long development the author merits admiration and gratitude") on the one hand and an evaluative one regarding the possible re-

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sults of Šamurin's studies for future classification work on the other hand. (In English).

2 Structure & Construction of CS

21 General Questions of Structure

3240 Mišin, V. A., Sančes-Mechido, L.: **An integrated retrieval language of a general-purpose computer-based IR system.** (In Russian). In: Sov. bibliotekovedenie (1976) No. 5, p. 59–68, 10 refs.
The language integrates a classification system (LBC and UDC) with a subject heading system and the catalogue entries. It was developed for the Current Accessions Retrieval System at the Lenin Library in Moscow.

3241 Riško, A.: **A linguistic approach to an information language simulation theory.** (In Slovak). In: Knižn. a ved. inform. 8 (1976) No.4, p. 149–157, 7 refs.
Deals with information language models, information language methods and types using an elementary approach and a structural approach to language. (Author)

3242 Ručimskaja, E. M.: **Subject authority list as a retrieval language.** (In Russian). In: Tr. Gos. publ. nauč.-techn. biblioteka SSSR 9 (1976) p. 179–183, 8 refs.
Similarities and dissimilarities between descriptor languages and a subject heading language are pointed out. Subject catalogues are shown to form a good basis for thesaurus development. (Author)

3243 Schuck, H. J.: **Was ist ein Thesaurus.** (In German). In: Sprachmittler (1977) No.4, p. 111–123
This lecture not only gives an introduction into an overall understanding of the structure and the purpose of a thesaurus but compares thesauri also with dictionaries and pleads for a better understanding of the purposes of information science by linguists and expecially terminologists.

22 Elements and Special Structures of CS

3244 Archipov, N. V., Korešin, A. B., Slesarčuk, T.V.: **Statistical analysis of initial alphabetical keyword combinations in descriptor vocabularies for machine thesaurus optimisation.** (In Russian). In: Tr. NII upravl. mašin i sistem (1976) Vyp.14, p. 29–40, 3 refs.
The optimisation of a thesaurus stored in a third generation computer is dealt with. The implementation quality criterion is a linear combination of the storage space and the dictionary look-up expectation time. These quantities are expressed through statistical characteristics of the initial keyword combinations which serve as thesaurus access points . . . Relevant empiric distributions are presented which have been derived from disciplinary thesauri for instrument making and geology, as well as from a few highly specialised dictionaries. (Author)

3245 Balnaves, J.: **Specificity.** In: Rayward, W. B. (Ed.): The variety of librarianship: essays in honour of John Wallace Metcalfe. Sydney: Libr. Assoc. of Australia 1976. p. 47–56
Discusses the 5 different meanings of specificity in the context of descriptors.

3246 Belonogov, G. G., Novoselov, A. P.: **The elementary triad language.** (In Russian). In: Vyčisl. lingvistika. Moskva 1976. p. 44–52, 3 refs.
Description of an information language used for data documentation. It is composed of elementary statements each consisting of three main parts: name of object, name of characteristic and characteristic 'value'.

3247 Harris, B.: **Faceting.** In: T. A. Inform. 17 (1976) No.2, p. 44–50
Reflection on faceted classification and its application in indexing. Theoretical considerations and practical applications in the indexing at the Linguistics Documentation Centre, University of Ottawa, Canada.

3248 Igaki, K., Nomoto, Y., Suzuki, Sh., Kadota, K.: **The frequency table of RINGDOC keywords on microfiche using a COM system.** (In Japanese). In: Day 12 kay zyoho kagaku gizyutsu kenkuy syukay happyo rombunsyu (1975) No. 12, p. 205–214
A keyword frequency table was derived from the RINGDOC keyword directory file on microfiche. The table contains all the keywords that have been used since 1965. The use of this table improves the relevance of RINGDOC searches and helps the users to assess the R & D trends across the world. (Authors)

3249 Rajan, T. N.: **The handling of compound terms in indexing systems.** In: J. of Libr. & Inform. Sci 1 (1976) No.2, p. 169–190, 23 refs.
Describes the handling of compound terms in three major precoordinate index systems, viz. POPSI, BTI and PRECIS. Makes a comparative assessment of their approaches to the problem and suggests that the classificatory approach would perhaps be more helpful than linguistic approaches. (Author)

3250 Schnegelsberg, G.: **Identifizierungsmerkmale von Textilien.** (In German). In: Forum Ware 5 (1977) No. 3–4, p. 131–136, 2 refs.
The paper suggests a method which identifies characteristics of a textile in question before concluding which may be the name of that textile and provides an extensive table of textile characteristics.

3252 Vander Stouw, G. G., Gustafson, C., Rule, J. D., Watson, C. E.: **The Chemical Abstract Service Chemical Registry System.** 4. Use of the registry system to support the preparation of index nomenclature. In: J.Chem. Inform. Comp. Sci. 16 (1976) No.4, p. 214–218, 8 refs.
The structure record used in the Registry III version of the Chemical Abstracts Service Chemical Registry System has been designed to allow automated support of Chemical Abstracts (CA) Index Name preparation. (Authors, abbr.)

3253 Williams, M. E.: **Analysis of terminology in various CAS data files as access points for retrieval.** In: J. Chem. Inform. Comp. Sci. 17 (1977) No.1, p. 16–20, 20 refs.
An analysis was made of the CASIA data base, Condensate data base and the keyword indexes in the printed issues of CA. Individual terms and phrases (excluding chemical nomenclature) were compared to determine which source file and data elements or mixtures of data elements from more than one source would provide maximum retrieval capability. The percent overlap for terms in titles, keywords, keyword phrases, CASIA concept headings and CASIA text modification are given. (Author)

23 Construction of CS

3254 Ghose, A., Dhawle, A. S.: **Problems of thesaurus construction.** In: J. Amer. Soc. Inform. Sci. 28 (1977) No.4, p. 211–217, 43 refs.
The construction of thesauri for social sciences becomes particularly difficult, because of the inherent ambiguity of the terms used in social sciences. Since the idea of a "growing thesaurus" is impracticable, it is suggested that an empirical study of the semantic differential of different sociological groups would suffice for the purpose of thesaurus construction.

3255 Grinina, R. F., Mankevič, A. I., Archipova, M. A., Čunaeva, A. A.: **Selection of terms from a specialised thesaurus of philosophy for INION's basic thesaurus.** (In Russian). In: Vopr. predmetiz. i predmetn. katalog., Leningrad 1976. p. 79–86
Discusses the categorization of terms in a thesaurus.

3256 Riško, A.: **Some problems connected with the construction of a bibliographic language.** (In Slovak). In: Knižn. a ved. inform. 8 (1976) No.3, p. 100–109, 13 refs.
Points out that a formalised description of bibliographic data demands an unambiguous artificial language.

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3257 Vituchnovskaja, A. A.: **A contribution to the theory of information retrieval thesaurus compatibility.** (In Russian). In: Naučn. i techn. biblioteki SSSR (1976) No. 11 (153), p. 6–13, 20 refs.
A thesaurus development theory is advanced whereby a thesaurus is built from large 'semantic units'. One unit may form a part of different specialised thesauri, thereby providing for vocabulary interchange and thesaurus compatibility. (Author)

24 Relationships

See also 3413

3258 Gorskova, L. A., Dolgova, L. B.: **Specification of stable inter-concept relations in an information language.** (In Russian). In: Analiz i modelir. ekon. processov (1976) Vyp. 7, p. 38–41, 5 refs.
Presentation of a formula method for stable interconcept relations when devising an accounting data description language.

3259 Lukavcova, J.: **Syntactic problems in subject ordering.** (In Czech). In: Čs. inform. 19 (1977) No. 3, p. 76–80, 15 refs.
Discussion of syntactic problems of indexing languages based on title words, subject headings or descriptors. (Author, mod.)

3260 Moldoveanu, V.: **The 'mixed term-links' – a new category of relators in indexing.** In: Stud. Cerc. Doc. 17 (1975) No. 3–4, p. 288–293, 1 ref.
Mixed term-links simultaneously perform the functions of both roles and links. Examples show the use of this new type of relator for indexing material in the subject field of culture. (Author)

26 Notation, Codes

See also 3113;

3261 **Classification and call numbers.** In: Dowell, A. T.: Cataloging with Copy. Libr. Unlimited 1976. p. 135–199

3262 Mirkova, M.: **Distinctive features of notation in the present day ordering systems.** (In Czech). In: Čs. inform. 19 (1977) No. 1, p. 12–16, 10 refs.
Brief survey of the theory and history of notations. Discussion of the functions of notations and requirements concerning form and structure. Main tendencies in the evolution of notation systems and their manifestation in the existing systematic ordering systems. Analysis of notation schemes for the present-day classifications. (Author, abbr.)

27 Compilation, Updating, Storage & Maintenance of CS

See also 3244

3263 Chepkasov, A.: **INIS: thesaurus maintenance system.** Wien: Intern. Atomic Energy Agency 1977. 151 p. = IAEA–196, $ 0.65 (for microfiche copies only)
Description of the design and the operation of the INIS Thesaurus Maintenance system with full program listed as appendices.

3264 Iljon, A.: **Le logiciel Astute.** Un outil informatique pour la création, la mise à jour, l'édition et l'impression de thésauri mono et multilingues. (In French) In: Documentaliste 14 (1977) No. 5–6, p. 25–33, 2 refs.
The software package of ASTUTE (Automated System for Thesaurus Updating, Testing and Editing) is presented wich was developed in 1973–1974 at the Computer Center of the European Communities, Luxemburg. The range of products obtained, the input and correction procedures and the processing as such (modules, files and formats) are described. An application example is given which demonstrates the use of the package and discusses file sizes and computer time required for processing. (Author)

3265 Islam, M.: **Subject headings authority list (SHAL): a computerization project at CDA Library.** In: Marshall, E., Paré, M. (Eds.): Third open conf. on inform. sci. in Canada. Ottawa 1975. p. 31–37
The Canadian Department of Agriculture has devised computer programs which create a machine-readable data base of agricultural subject headings, photocompose and typeset the Subject Headings Authority List (SHAL), generate catalogue cards of subject heading information, and provide a mechanism for the routine maintenance and updating of the SHAL data base. (Author, abbr.)

3266 Meyer, E., Sens, E.: **Transparente Programm-Dokumentation mit Hilfe des IDC-Thesaurus-Verfahrens.** (Transparent program documentation using the International Documentation in Chemistry thesaurus system). (In German). In: Nachr. Dok. 27 (1976) p. 7–12
The IDC Thesaurus software was developed for indexing the literature of chemistry but is flexible enough to be used without alteration for other scientific fields.

3267 Seelbach, H. E.: **Von der Stichwortliste zum halbautomatisch kontrollierten Wortschatz.** (From keyword-list to semi-automated controlled vocabulary.) (In German). In: Nachr. Dok. 28 (1977) No. 4–5, p. 159–164
Presentation of a system comprising programmes in which keyword lists are transferred semi-automatically into a controlled vocabulary with priority terms, phrases and thesaurus relationships.

28 Compatibility & Concordances of CS

See also 3240, 3257

3268 Potapova, R. D.: **A method to measure the degree of convertibility and compatibility between central and local subject cataloguing.** (In Russian). In: Vopr. predmetn. katalog., Leningrad 1976. p. 38–56

3269 Viet, J.: **Intégration de thésauri dans le champ du développement économique et social.** (In French). In: Documentaliste 14 (1977) No. 5–6, p. 6–12
Sketches the history of the OECD Macrothesaurus up to the present point marked by the evolution of a number of new thesauri assembling vocabularies of subfields of the former Macrothesaurus. Revision plans now call for a careful examination of the descriptors occurring in the new thesauri and for integration methods for their reconciliation. It is proposed to install for this a permanent center with a terminological data bank also for the necessary translations in participating languages.

3 Classing and Indexing (Methodology)

31 Theory of Classing and Indexing

3270 Austin, D.: **Citation order and linguistic structure.** In: Rayward, W. B. (Ed.): The variety of librarianship: essays in honour of John Wallace Metcalfe. Sydney: Libr. Assoc. of Australia 1976. p. 19–46
Describes the bases on which citation order for PRECIS relied. The guiding principle: to create structures which are recognisable to written and spoken communication.

3271 Borko, H.: **Toward a theory of indexing.** In: Inform. Process. & Management 13 (1977) No. 6, p. 355–365, 5 refs.
A theory of indexing helps explain the nature of indexing, the structure of the vocabulary and the quality of the index. Indexing theories formulated by Jonker, Heilprin, Landry and Salton are described. Each formulation has a different focus . . . These separate theories need to be tested experimentally and eventually combined into a unified comprehensive theory of indexing. (Author, abbr.)

3272 Kidd, J. S.: **Time proximity in the use of index terms.** In: Cleverdon, C. W., Kidd, J. S.: Redundancy in scientific and technical literature. Final administrative

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report. Cranfield, England: Cranfield Inst. of Technology 1976. App. D, 6 p., 4 refs.
The proposition that the assignment of index terms to documents is susceptible to a time-proximity bias was tested using a sample of 250 documents on air traffic control obtained from the NASA-STAR file. The proposition was tentatively confirmed and an anomalous periodicity at a ± 2 year span was noted. (Author)

3273 Svenonius, E.: **Metcalfe and the principles of specific entry.** In: Rayward, W. B. (Ed.): The variety of librarianship: essays in honour of John Wallace Metcalfe. Sydney: Libr. Assoc. of Australia 1976. p. 171–189
Reviews Metcalfe's position on the principle of specific entry.

3274 Swift, D. F., Winn, V.A., Bramer, D.A.: **A multimodal approach to indexing and classification.** In: Intern. Classificat. 4 (1977) No.2, p. 90–94, 4 refs.
Discussion of work carried out as part of ongoing research into information processing in the social sciences and education, with particular reference to the literature searching needs of subject specialists. There are considerable problems for the effective organisation of the literature of social science fields, which are marked by differences of perspective so sharp that their members tend to talk through one another. The multimodal approach was formulated in the light of these problems, and aims to accomodate user differences of perspective by separately describing a given body of material from a number of different viewpoints. The paper describes the nature of the approach and what it means in practice, how it evolved, and some possible applications. (Author)

32 Subject Analysis

See also 3233

3275 Buxton, A. B., Meadows, A. J.: **The variation in the information content of titles of research papers with time and discipline.** In: J. Doc. 33 (1977) No. 1, p. 46–52, 5 refs.

3276 Kops, H.: **Auswahlverfahren in der Inhaltsanalyse.** (Selection processes in content analysis). (In German). Meisenheim/Glan: A. Hain Verl. 1977. 337 p., 200 refs. = Kölner Beiträge zur Sozialforschung u. angew. Soziologie 21. ISBN 3-445-01469-8
Presentation of the different kinds of selection processes in automatic content analysis and investigation of the proper application case for special tasks.

3277 Ishikawa, T.: **The significance of author-indexed terms and their effective use in STI dissemination.** (In Japanese). In: Day 12 kay zyoho kagaku gizyutsu kenkyu syukay happyo rombunsyu (1976) No.12, p. 69–79
Author abstracts in the field of computer and information sciences were statistically analysed in order to measure the effectiveness of author-assigned terms relative to information dissemination tasks. It could be concluded that these terms were indeed effective and may be used for document indexing. (Author mod.)

3278 Meunier, J. G., Rolland, S., Daoust, F.: **A system for text and content analysis.** In: Comp. & the Humanities 10 (1976) No.5, p. 281–286, 4 refs.
A text processing system for literary and social sciences (called SATO – Système d'analyse des textes par ordinateur) has been implemented with a view of providing an interaction between textual data description and its interpretation. Text file structure, interactive text processing and text transformation are explained.

3279 Noma, Sh., Hida, T., Miyake, S.: **Extraction of keywords from English technical documents.** (In Japanese). In: Day 12 kay zyoho kagaku gizyutsu kenkyu syukay happyo rombunsyu (1976) No.12, p. 197–204
Report on experiments conducted to analyse 3 different keyword extraction methods.

3280 Peschl, O.: **Fünf Jahre Neue Sachkatalogisierung.** (A new subject cataloguing method since five years). (In German). In: Biblos 26 (1977) No.1, p. 38–42, 15 refs.
Reflects the usefulness of the changes in the organization of the subject catalogue in the University Library of Vienna, introduced 5 years ago.

3281 Schramm, R.: **Rationelle Inhaltserschließung von Erfindungsbeschreibungen.** (Rational contents analysis of patent specifications for the constitution of the International Patent Information System) (In German). In: Informatik, DDR 24 (1977) No.5, p. 21–24, 4 refs.
Recommendation to use position abstracts also in order to facilitate machine indexing.

3282 Settel, B. (Ed.): **Subject description of books. A** manual of procedures for augmenting subject descriptions in library catalogs. Syracuse, N. Y.: Syracuse University. School of Information Studies 1977. 56 p. = Res. Study No. 3, $ 5,–
With this manual a machine-readable data base was generated called BOOKS which is available on SDC/ORBIT.

33 Classing and Indexing Techniques

3283 **Subject cataloguing. Collected papers.** (Voprosy i predmetnyj katalog. Sbornik trudov.) (In Russian). Leningrad: Gos. publ. biblioteka im. M. E. Saltykova-Ščedrina, Komis. probl. 'Predmetiz. i predmet katalog' otd. obrabotki i katalogov, 1976. 203 p.
Contains among other the following papers: 3284 Parijskij, V. L.: Problem Committee on Subject Cataloguing: work results and prospects. – 3285 Volgar', L. G.: Model plan for developing a special subject cataloguing methodology. – 3286 Vartanova, M. G.: On the formulation and structure of subject headings with special reference to the literature of art ciriticism. – 3287 Koroleva, L. I.: Multidimensional representation of an entity in a subject heading. – 3288 Saraeva, G. A.: The document search pattern as a text: a contribution to the problem of syntagmatic relations between the subject catalogue IR language headings. – 3289 Ustimenko, A. I.: Recent developments in subject cataloguing theory abroad: construction of complex subject headings.

3290 Hladna, H.: **Subject cataloguing and information techniques.** (In Czech). In: Čtenar 28 (1976) No.11, p. 367–370
Points towards problems for subject cataloguers in libraries and the possible help which a unified vocabulary may provide.

3291 Moradi, N.: **Coordinate indexing** (In Persian). In: Iranian Assoc. Libr. Bull. 9 (1976) No.1, 25 p. and No.2, 25 p.
Introduces the coordinate indexing method and the use of optical coincidence punched cards, Uniterm cards, and edge punched cards.

3292 Mucenic, C.: **An application of coordinate indexing to the literature of** plastic arts. (In Rumanian). In: Stud. si cerc. doc. 18 (1976) No.1–2, p. 69–80

3293 Hart, T. L. (Ed.): **Integrated shelving of multimedia collections** In: Sch. Media 5 (1976) No.1, p. 19–30, 17 refs.

3294 Jeuell, C. A.: **The reorganisation of a monographic reference collection.** In: Bull. Med. Libr. Assoc. 64 (1976) No. 3, p. 293–298
A case is made for the arrangement of reference materials by form with as few form categories as possible. A table gives the 14 reference categories used for the rearrangement.

34 Automatic Classing and Indexing

3295 Allen, F. H., Town, W. G.: **The automatic generation of keywords from chemical compound names.** Preparation of a permuted name index with KWIC layout. In: J. Chem. Inform. Comp. Sci. 17 (1977) No.1, p. 9–15, 13 refs.

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Lists of common chemical prefixes and suffixes have been derived and are used in the analysis of chemical syntax to establish keywords within a name ... A wraparound facility is used to preserve maximum context in long names. The procedure has been developed using the Bibliographic File of the Crystallographic Data Centre as data base, but has applicability to files of compound names which obey normal chemical syntax.
(Author, abbr.)

3296 Craven, T. C.: **NEPHIS: A Nested-Phrase Indexing System.** In: J. Amer. Soc. Inform. Sci. 28 (1977) No.2, p. 107–114, 6 refs.
NEPHIS is a system of computer-aided permuted subject indexing designed to be as easy as possible for the indexer, for the programmer, and for the user of the index. The indexer needs to learn only four commands in order to be able to construct any input string. Yet the permutations produced are elegant and browsable, while providing a complete description of even quite complicated subjects. The program is cheap to run, requiring only an input file and an output file and 1 K of core. (Author)

3297 Strode, M. S.: **Automatic indexing using a thesaurus.** Chapel Hill, N.C.: University of North Carolina 1977 (Master Thesis).
Thesis describes a computer program product written to index documents automatically by identifying thesaurus terms that occur in the text of the documents. (Author, abbr.)

35 Automatic Ordering

3298 Small, H. G., Koenig, M. E. D.: **Journal clustering using a bibliographic coupling method.** In: Inform. Process. & Management 13 (1977) No.5, p. 277–288, 14 refs.
An algorithm is described which accomplishes a classification of journal titles into fields or specialties using the single-link clustering technique and a novel application of the method of bibliographic coupling (use of two-step bibliographic coupling linkages). Results of an experiment using this algorithm are reported which grouped 890 journals into 168 clusters. A comparison with an independently derived manual classification of the same journal set indicated its utility for journal classification.
(Author)

3299 Wilkins, C. L.: **Interactive pattern recognition in the chemical analysis laboratory.** In: J. Chem. Inform. & Comp. Sci. 17 (1977) No.4, p. 242–249, 28 refs.
A proposed interactive organic structure analysis system is described... An approach whereby a gas chromatograph-infrared interferometer would be linked to the mass spectrometer system and the combined information used as the source of structural inferences is discussed. In particular, the use of factor analysis, simplex pattern recognition, digital learning networks, and search methods are considered ... (Author, abbr.)

36 Coding

3300 Blasgen, M. W., Casey, R. G., Eswaran, K. P.: **An encoding method for multifield sorting and indexing.** In: Comm. ACM 20 (1977) No.11, p. 874–878, 7 refs.
This encoding permits the construction of a single byte string from multiple strings such that decoding is straightforward and the mapping is order preserving. (Author, abbr.)

38 Index Generation Programming

3301 Kemp, D. A.: **A simple computer program to produce alphabetical subject indexes.** In: Program 11 (1977) No. 2, p. 64–71
The purpose of the program is to make it possible to record the intellectual analysis of the class number as quickly as possible; and to use the computer to do the 'clerical' work of producing an alphabetical index from this data. (Author)

39 Evaluation of Indexing

See also 3248

3302 Dayton, D. L., Fletcher, M. J. et al: **Comparison of the retrieval effectiveness of CA condensates (CACon) and CA Subject Index Alert (CASIA).** In: J. Chem. Inf. Comput. Sci. 17 (1977) No. 1, p. 20–27
Paper studies the vocabulary characteristics of the two files and the relative retrieval effectiveness of CACon and CASIA for a range of general subject and chemical substance topics... The results demonstrate that chemical substance nomenclature is a distinctive content feature of CASIA. A search study shows that CASIA gives significantly better recall than CACon for chemical substance topics and that both files give comparable recall for general subject topics when appropriate methodology is used.
(Author, abbr.)

3303 Gardner, T., Goodyear, M. L.: **The inadequacy of interdisciplinary subject retrieval.** In: Spec. Libr. 68 (1977) No. 5–6, p. 193–197, 12 refs.
Shows experiences from searching Index Medicus, International Nursing Index, Sociological Abstracts and Psychological abstracts for sources referring to 'death and dying' and 'abortion'. Draws some conclusions from the frustrating results.

3304 Ghosh, J. S.: **The information content of titles in contraception literature.** In: J. Chem. Inform. & Comp. Sci. 17 (1977) No. 1, p. 36–40. 22 refs.
Report about an examination of 2152 document titles recorded in the Index Medicus, 1973–75 and of 567 'contraceptive' titles in the Index Medicus of 1963–65. Employing the Montgomery-Swanson method, it was found that 92,2% of the documents from the later period and 88,0% of those from the earlier one had at least one 'contraception term' in their titles. It is concluded that the title search method is a very effective means of retrieving pertinent documents in the field of contraceptive technology. (Author, abbr.)

3305 Rowland, J. F. B., Veal, M. A.: **Structure-text and nomenclature-text searching for chemical information:** an experiment with the Chemical Abstracts Integrated Subject File and registry system. In: J. Chem. Inf. Comput. Sci. 17 (1977) No. 2, p. 98–89

4 On Universal Systems

41 On Universal CS in General

3306 Reichardt, G.: **Die Einheitsklassifikation.** Ergebnisse des Gutachtens über das Projekt. (The Standard Classification. Results of a Project Review). (In German). In: DFW. Dokumentation, Information 25 (1977) No.4, p. 129–133
Summary of the comments collected during an extensive study of the papers and proposals of the Project Group concerned with the elaboration of a Standard Classification for German libraries. The main failure seems to have been the negligence of classification theoretical (methodological) considerations.

3307 **Problems of Library classification.** In: Libra 13 (1975–1976).
The entire volume – 6 contributions – is devoted to library classification: 3308 Hinton, F.: Dewey Decimal Classification. – 3309 Foskett, D. J.: Subject analysis in information control. – 3310 Dhyani, P.: Some reflections on Universal Decimal Classification. – 3311 Sen Gupta, B.: Development and possibilities of library classification. – 3312 Nakamura, H.: Nippon Decimal Classification. – 3313 Dhyani, P.: Use of CC and DC in College Libraries of Rajasthan; a survey.

42 On the Universal Decimal Classification, UDC

See also 3140–3150, 3310, 3313

3314 Chiapetti, F. s., Fiori, C., Pizzigallo, D.: **A Contribution to documentary informatics: two thesauri for UDC Class 1.** (In Italian). In: Note bibliogr. e doc. sci. (1976) No. 24, 64 p.

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3315 Leonov, R. A., Lur'e, I. A.: **Automation of subsidiary routines in maintaining a set of linguistic devices.** (In Russian). In: Tr. Gos. publ. nauč.-techn. biblioteka SSSR (1976) Vyp. 9, p. 128–132, 5 refs.
Reports and evaluates the pilot operation of an automated UDC maintenance system. (Authors)

43 On the Dewey Decimal Classification, DDC

See also 3165, 3308, 3313, 3456

3317 Alonso, P. A. G., Prescott, D. F.: **Deweying maps.** In: Austr. Libr. J. 26 (1977) p. 47–52

3318 Batty, D.: **Dewey abroad.** The international use of the Dewey Decimal Classification. In: Quart. J. Libr. Congr. 33 (1976) No. 4, p. 300–310, 25 refs.
The paper discusses features of use of the scheme in different countries, principal comments on its shortcomings, the organizational and technical problems in DDC application and updating, and describes the theoretical and practical publications devoted to its development and improvement.

3319 Bloomberg, M., Weber, H.: **An introduction to classification and number building in Dewey.** Littleton, Colo.: Libraries Unlimited, Inc. 1976. 199 p., ISBN 0-87287-115-0
A concise introduction to the DDC, intended for library technical assistants, clerks and para-professionals.

3320 Comaromi, J. P.: **Knowledge organized is knowledge kept. The Dewey Decimal Classification, 1873–1976.** In: Quart. J. Libr. Congr. 33 (1976) No. 4, p. 311–331, 21 refs.
Historical review of the DDC in each of its 18 editions.

3321 Gangadhara, Rao, P.: **Case studies in Decimal Classification, 18th ed.: Ireland and its subdivisions.** In: Timeless Fellowship 10 (1975–76) p. 56–63

3322 Kušul, A. Ja.: **On the centenary of Melvil Dewey's Decimal Classification.** (In Russian). In: Bibliotekoved i. Bibliografija zu Rubežom 58 (1976) p. 31–45

3323 McKinley, J. W.: **Dewey? Sure we do!** Report from the LAA Dewey Decimal Classification Liaison Committee. In: Austr. Libr. J. 25 (1976) p. 396–7

44 On the Library of Congress Classification, LCC and LC Subject Headings

See also 3457, 3458

3324 **Atlantic universities switch to LC.** In: Feliciter 22 (1976) p. 8

3325 Schön, H. G.: **Book review of Classification. Class K, Law (General)** and Subclass KE (Law of Canada). Washington, D. C.: U.S. Library of Congress. Subj. Cataloging Div. 1976. In: Intern. Classificat. 4 (1977) No. 2, p. 109
Shows the trends in juridical classification, the solution offered by the Library of Congress new scheme for Law in General and for Law of Canada and points out the necessities for a possible international solution of these problems.

47 On the Library-Bibliographical Classification, LBC (BBK)

3326 **Optimisation problems of the Library-Bibliographical Classification:** the work experience of the Scientific Classification Division, USSR Academy of Sciences Library. (In Russian). Leningrad: Isd. otd. Biblioteka AN SSSR 1976. 231 p.
The following list of contributions of this collection is not complete: 3327 Panov, A. A.: A contribution to the conception of the second LBC edition: an approach to the problem. – 3328 Kolojarcev, M. V.: Work procedures in LBC refinement: a case study of extension and correction of Section IV "E Biological sciences". – 3329 Trapeznikova, L. V.: The use patterns and improvement methods of common divisions (with special reference to the Rubber Class). – 3330 Kudrin, V. I.: Some delimitation problems in the LBC with special reference to the social sciences. – 3331 Suchmaneva, E. G., Mjasnikova, L. V.: A contribution to the optimisation of LBC Class Ch 23 Scientific Information. – 3332 Dančenko, T. N., Panov, A. A.: On a retrieval language for the national computer-based printed union catalogue of foreign monographs. – 3333 Kac, L. A., Leonov, R. A., Lur'e, I. A.: Indexing quality estimation: an analogue of production quality estimation. – 3334 Grobova, M. A.: The Library-Bibliographical Classification and the scientific classification of entries in bibliographies. – 3335 Stanislavskaja, Z. V.: Problems in the study of retrieval language paradigmatics.

3336 **Introduction problems of the Library-Bibliographical Classification.** Vol. V (In Russian). Moskva: Gos. Bibl. SSSR Im. V. I. Lenina 1976.
Contains the following contributions: 3337 Chandžjan, I. G.: Classification of scientific research methods (and optimisation of the common division "v6 Scientific methods") in the LBC. – 3338 Muljukova, N. B.: Structure optimisation problems of LBC subject classes, with special reference to classes D and R. – 3339 Gosina, G. I.: Tables of ethnic standard divisions in the LBC: a contribution to standard division optimisation. – 3340 Litvinenko, L. I.: A single table of common divisions of place: a pressing need for the Library-Bibliographical Classification. – 3341 Jusupov, S. N.: Existing law classification schemes and a general law thesaurus. – 3342 Romanov, R. M.: Comparative analyses of the psychological perception of LBC and UDC notations. – 3343 Borod'ko, R. G.: Optimisation possibilities for LBC class III 103 Lexicology.

48 On Other Universal CS (alph.)

See also 3312

3344 Haendler, H.: **Book review of Scheele,** M.: Ordnung und Wortschatz des Wissens. 1. Bd.: Das Ordnungssystem. Universelle Facetten-Classifikation (UFC). Schlitz/Hessen: Verl. Guntrum II. 1977. 208 p. In: Mitt. Ges. f. Bibl. wes. u. Dok. d. Landbaues (1977) No. 26, p. 95–99
Reports about the principles which guided the author to create a universal system based on basic phenomena and using a notation of four digits only expressive of level of subdivision (decimal notation). Points out the unevenness in specificity resulting from this decision as well as the strangeness of subordinations occurring by this limitation. (Review in German).

3345 Scheele, M.: **Die universelle Facetten-Classifikation** (UFC). Ein modernes System zur Ordnung des Wissens (In German). In: Med. Welt 28 (1977) p. 1526–1529, 4 refs.
An introductory description concerning the new universal classification system called UFC (see Class. Lit. 2602 in Intern. Classificat. 4 (1977) No. 2).

5 On Special Objects CS (Taxonomies)

51 Numerical Taxonomy

See also 3169, 3171, 3213,

3346 Muller, M. E.: **An approach to multidimensional data array processing by computer.** In: Comm. ACM 20 (1977) No. 2, p. 63–77, 17 refs.
Presentation of some recent work on the development of general-purpose computer-based statistical and data processing capabilities for handling multidimensional arrays of data. Attention is first given to some of the general problems of multidimensional table and array processing. A summary of some recent develop-

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ments, in particular at the World Bank (system WRAPS – World Bank Retrieval and Array Processing System) follows.
(Author, abbr.)

3347 Niblett, B., Boreham, J.: **Cluster analysis in court.** In: Jurimetr. J. 17 (1976) No. 1, p. 32–38

3348 Sokal, R. R.: **Cluster analysis.** In: Belzer, J. (Ed.): Encyclopedia of Computer Sci. & Technol. 5 (1976) p. 37–46, 7 refs.

57 On Commodity CS

See also 3250

3349 Heydrich, H., Berger, E.: **DAIS – Dornier Artikel Identifizierungs-System.** Rationelle Materialwirtschaft in einem Industrieunternehmen. (In German). In: Forum Ware 5 (1977) No. 3–4, p. 107–125
Dornier uses the Item Identification Guide System for the description and management of its materials (products and parts of products). Presentation of the computer processing of the data involved.

3350 Hölzl, J.: **Ergänzende Bemerkungen zur maschinellen Produktbeschreibung und Warenklassifikation.** (Supplementary remarks concerning computerized product description and commodity classification) (In German). In: Forum Ware 5 (1977) No. 3–4, p. 126–130, 22 refs.
Description of a computerized product classification by using a matrix for the articles and the characteristics of articles (commodities, products). In Table 1 three related international or inter-industrial product identification systems are compared. Discussion of the possibilities of such classification and identification systems.

58 On CS for Kinds of Documents

3351 Korn, F.: **A classification schedule for photographs by process or apparatus.** In: Spec. Libr. 68 (1977) No. 4, p. 145–148, 8 refs.
Description of the system; copies of the schedule itself are available from the author.

3352 Swanson, E. B.: **The application of function descriptors to the development of an information system typology.** In: J. Amer. Soc. Inform. Sci. 28 (1977) No.5, p. 259–267, 13 refs.
A type of descriptors, termed a function descriptor, is suggested for application to the description and classification of information systems, and for the development of an information system typology. In the exploratory description of 25 systems, a list of 83 Function Descriptors was developed. Consensual agreement in the application of these was not simply achieved. App. I gives the Function Descriptor List, App. II shows the Consensus Description of UMPLIS. (Author, abbr.)

6 On Special Subject CS

62 On SC for Physics and Chemistry (incl. Electr.)

See also 3248, 3252, 3253, 3263, 3266, 3295, 3299

3353 Byer, W. L., Landau, H. B., Stalder, E. W.: **Development of a chemical use classification system to facilitate reporting under the Toxic Substances Control Act.** In: J. Chem. Inform. & Comp. Sci. 17 (1977) No.4, p. 197–200, 2 refs
A classification system was developed to enable manufacturers and processors of industrial chemical to report categories or proposed categories of use of such chemicals to the Environmental Protection Agency in accordance with the Toxic Substances Control Act. To accomodate the two aspects of chemical use (i.e. function and application), a faceted classification scheme was designed . . . Linking the(se) two facets in a single notation code provides a comprehensive indication of a chemical's use or uses. (Author, abbr.)

63 On CS for the Astro- and Geosciences

3354 Sarapov, I. P.: **On the geological thesaurus.** (In Russian). In: Primenenie mat. metodov i EVM pri poiskach polesn. iskopaemych. Novosibirsk 1976, p. 160–170
Critical review of the geological thesaurus of the All-Union Research Institute for Mineral Products Economy and Exploration, USSR.

65 On CS in the Human Area (5)

See also 3227

3355 Lazarescu, G.: **Thesaurus of descriptors in the field of education and training.** (In Rumanian). In: Stud. si cerc. doc. 18 (1976) No. 1–2, p. 147–154

66 On CS in the Socio-Area

See also 3230, 3325, 3347, 3402

3356 El Hadi, M.: **CAFRAD Information Retrieval System** (CAFRADIRS) with particular emphasis on CAFRAD Thesaurus of Administrative Information Descriptors. In: Official report of the African seminar for librarians and documentalists of administrative information services. 31 March–7 April 1975. Achimota: Ghana Institute of Management and Public Administration 1975. p. 211–228, 8 refs.
Description of the thesaurus and the principles for the form of descriptors.

3357 Cornog, M., Landau, H. B.: **Application of lexicotraphic techniques to the production of a national criminal justice glossary and thesaurus.** In: Proc. 39th ASIS Ann. Meeting, Vol. 13 (1976) Pt. 1, p. 139 (Abstract), Pt. 2, Fiche 9, Frame A9–. 5 refs.

3358 Gebhardt, F.: **Worthäufigkeiten in der Datenbasis Verfassungsrecht.** (Word frequencies in the data base for constitutional law.) (In German). In: Gebhardt, F. (Ed.): Beiträge zur Methodik juristischer Informationssysteme. Berlin: Schweizer 1975. p. 99–130

3359 Moys, E. M.: **Classification.** In: Moys, EM. (Ed.): Manual of law librarianship: the use and organization of legal literature. London: A. Deutsch 1976. p. 548–580
A comprehensive survey on classification in the field of law per se and as treated in the general and some special classification systems as well as guidance on practical classification methods, and reclassification. – In the same book there is also a contribution by E. M. Moys entitled "Cataloguing and indexing".

3360 Svoboda, W. R.: **Automatisierte Erstellung von Kontextassoziation.** Zum Problem der Erstellung eines juristischen Thesaurus. (Automatic production of context-associations. Concerning the construction of a thesaurus in the field of law.) (In German). In: GMD Spiegel (1977) No. 1, p. 46–58

67 On CS in the Economics and Technology Area

See also 3269, 3279

3361 Mildren, K. W. (Ed.): **Use of engineering literature.** London: Butterworths 1976. 621 p., 73 refs.
Contains a chapter on classification and indexing in engineering.

3362 Davies, J. E.: **Mechanical engineering information organisation, Pt. II: systematic classification scheme.** In: IATUL Proc. 8 (1976) p. 11–28
For Pt. I see Intern. Classificat. 4 (1977) No.1, (2482). Reports the treatment of mechanical engineering in the DDC, UDC, Bliss, LCC, CC and in Thesaurofacet.

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68 On CS in the Science and Information Area

See also 3438–3440

3363 Simpson, I. S.: **The Institute of Information Scientists Criteria for Information Science.** In: Inform. Process. & Management 13 (1977) No. 6, p. 385–387
Subdivision into the following sections: 1. Knowledge and its communication, 2. Sources of information, 3. Organisation of information, 4. Retrieval of information, 5. Dissemination of information, 6. Management of information, 7. Data processing, 8. Research methods, 9. Mathematics, 10. Linguistics, 11. Foreign languages, 12. Advanced information theory and practics.

7 Classification and Language

71 General Problems of Natural Languages, Metalanguages, Semiotics

See also 3115, 3116, 3125, 3151, 3152, 3153–3163, 3164

3364 Gamezo, M., Lomov, B., Rubachin, V.: **Signs and psychic activity.** (In Russian). In: Obščestv. nauki (1977) No. 2, p. 111–126, 23 refs.
A. o. a broad classification scheme is proposed which divides signs into (1) feature signs, or iconic signs, (2) dicrete conventional signs, (3) projection signs (rendering spatial characteristics, and (4) combinatorial signs. Each class of signs is characterized.

3365 Ty Pak: **Toward the theorization of semiotics:** a review of the Bonn Colloquium. In: Semiotica 16 (1976) No. 2, p. 159–191, 14 refs.

72 Semantics

3366 Blimes, J.: **Meaning and interpretation.** In: Semiotica 16 (1976) No. 2, p. 115–128, 11 refs.
It is distinguished between representation and evidence. The former relates to the meaning which an individual using a sign wants to convey, the latter is the information fromthe fact that a sign has been actually used in communication.

3367 Bülow, E.: **Book review of Engelkamp, J.:** Satz und Bedeutung. Stuttgart etc.: Verlag W. Kohlhammer 1976. In: Intern. Classificat. 4 (1977) No.2, p. 110–112
Analyzing review of a psycholinguistically approached work on sentence meanings and sentence structures from a linguistic point of view. (In German).

3368 Eisenberg, P. (Ed.): **Semantik und künstliche Intelligenz.** Beiträge zur automatischen Sprachbearbeitung 2. (Semantics and artificial intelligence) (In German). Berlin: de Gruyter 1977. 244 p., 160 refs.
Contains contributions by Charniak, Fraser, Hellwig, Hays, Schank, Minsky, Winograd and Wilks (partly as translations) in the field of artificial intelligence.

3369 Gruber, J. S.: **Lexical structures in syntax and semantics.** Amsterdam; North-Holland Publ. 1976. 385 p., 18 refs.

3370 Kandelaki, G. L.: **Semantics and motivation of terms.** (In Russian). Moskva: Nauka 1977. 167 p.
Standard patterns of meaning structure have been isolated for the first time and a general classification of these patterns has been constructed. The motivational groups which combine the features on which the construction of terms rest have been identified. (Author, abbr.)

3371 Michell, G.: **Toward a usable definition of synonymy.** In: Fourth Canadian Conf. on Information Science. Proceedings. Ottawa 1976. p. 151–159

3372 Pinxten, R., Vandamme, F. (Ed.): **Issue on semantics.** In: Communication & Cognition 10 (1977) No. 3/4, 221 p.
Introduction by the editors and the following 9 contributions on different topics of semantics: 3373 Hofmann, Th. R.: Experimental lexicography and semantics. – 3374 Jackendorff, R.: Toward a cognitively viable semantics. – 3375 Peeters, G.: Language, meaning and cognition: a social-psychological approach. – 3376 Pinxten, R.: Descriptive semantics and cognitive anthropology: in search for a new semantic model. – 3377 Steinberg, D. D.: Truth, information and semantic feature theory. – 3378 Stemmer, N.: Conveying semantic information through dictionary rules. – 3379 Vandamme, F. J.: Register-semantics. – 3380 Wierzbicka, A.: Mental language and semantic primitives. – 3381 Wilks, Y.: Good and bad arguments about semantic primitives.

3382 **Problems of syntactic semantics. Conference papers.** (In Russian). Moskva: Mosk. gos. ped. inst. in. jasykov 1976. 276 p.
Papers presented at a conference on semantics of syntactic structures. – 3383 Barchudarov, L. S.: The deep sentence structure: a semiotic aspect.– 3384 Guseva, E. K.: System-cybernatic approach and problems in computational linguistics.– 3385 Abdurasakov, M. A.: Denotative aspect of sentence semantics: semantic and syntactic models of the sentence. – 3386 Abramov, B. A.: Relationship between semantic and formal models of the sentence. – 3387 Avaliani, Ju. Ju.: Relationship between semantic and formal sentence structures in languages of different systematic types. – 3388 Apuchtin, V. B.: A method of semantico-syntactic analysis. – 3389 Aussem, V. I.: Features of semantic and syntactic structure of the texts of abstracts. – 3390 Zolotova, G. A.: Relationship between formal and semantic structure of the sentence. – 3391 Kopanev, P. I.: Phraseological constructions and translation. – 3392 Korableva, L. G.: Relationship between formal and semantic models of the sentence. – 3393 Kobrin, R. Ju.: Linguo-statistical analysis of terminological systems. – 3394 Mursin, L. N.: Text compression and the semantic structure of the sentence. – 3395 Višnjakova, S. M.: Statistical study of multiple meaning of English words. – 3396 Pavlov, V. M.: Application limits of formal structuring in syntax. – 3397 Potapova, M. D.: On logico-syntactic organisation of the parts of the sentence. – 3398 Raevskij, M. V.: Semantically equivalent syntactic structures in German and Russian and the relationship between 'deep' and 'surface' structures. – 3399 Strachova, V. S.: Modelling the structure of a complex sentence on the basis of valencies. – 3400 Cejtlin, S. N.: Semantics of syntactic patterns. – 3401 Černyševa, I. I.: Set phrases as embodiments of interaction of the semantics of different language levels.

73 Automatic Language Processing

3402 Müller, B. S. (Ed.): **Beiträge zur Sprachverarbeitung in juristischen Dokumentationssystemen.** (Contributions to language processing in legal information systems) (In German). Berlin: Schweitzer 1976. 202 p., 17 refs. = Datenverarbeitung im Recht, Beiheft 7.
Contains the following contributions: 3403 Antel, R.: Suche mit maskierten Wortstämmen. – 3404 Gebhardt, F.: Ein Modell für Worthäufigkeiten. – 3405 Loosen, J.: Zusammenführungen: Pragmatische Lösung eines einfachen Problems bei der Arbeit mit einem Korpus juristischer Texte. – 3406 Müller, B. S.: Kompositazerlegung. – 3407 Reiner, G.: Abstandsoperatoren bei der Suche mit Ausdrücken auf verschiedenen Textebenen. 3408 Weihermüller, M.: Untersuchungen über Rankingalgorithmen in Dokument-Retrieval-Systemen.

3409 Zemanek, H.: **Der Index Thomisticus.** (In German). In: Elektron. Rechenanlagen 19 (1977) No. 3, p. 112–122, 9 refs.
Description of the biggest information processing enterprise in the humanities, the index to the 118 works of St. Thomas Aquinas and 61 works of other authors from his time. (See also 1076 and 2180.)

76 Lexicon / Dictionary Problems

3410 Bertsch, E.: **Automatische Lexikographie, Analy-**

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se **und Übersetzung.** (In German). In: Sprache u. Datenverarb. 1 (1977) No. 1, p. 74–75
Report on the international colloquy, 23–25 Sept. 76 in Saarbrücken on automatic lexicography, analysis and translation. The 18 papers are listed in the end section.

3411 Czerni, S.: **Technical dictionaries. The 25th anniversary** of the Technical Terminology Department of Poland's Scientific and Technical Publishing House. (In Polish). In: Normalizacja 44 (1976) No. 12, p. 23–25
Over the 25 years past some 150 scientific and technical dictionaries were issued, mono-, bi-, and multilingual, general technical, specialised and narrowly specialised (with and without definitions).

3412 Drosdowski, G., Henne, H., Wiegand, H. E.: **Nachdenken über Wörterbücher.** (Reflecting dictionaries.) (In German). Mannheim/Wien/Zürich: Bibliographisches Institut. Dudenverlag 1977. 143 p.
The three authors tackle – each in his own contribution – the historical, theoretical and practical approach of contemporary lexicographical knowledge and possible future improvements in dictionary making.

3413 Wotjak, G.: **Zu den Systembeziehungen in der Lexik.** (System relations in the vocabulary) (In German). In: Linguist. Arb. ber. (1976) No. 13, p. 26–45
The author singles out the following 16 types of relations in the vocabulary: (1) A common derivational family, (2) Homonymy, (3) Multiple meaning, (4) Synonymy, (5) Appurtenance to different functional language subsets, the meanings being identical, (6) Antonymy, (7) Collocation, (7) Whole/part relationship, (9) Action/tool relationship, (10) Different degrees of the same property relationship, (11) Relationship between concepts that can be described by one and the same keyword, (12) Lexico-semantic subsystems (class/element relationship), (13) Thematic series, (14) Conceptual groups, (15) Semantic fields of various types, (16) Logical relationships. He concludes that a universal classification of a vocabulary may only be based on a system of scientific concepts, independent of a particular language.

77 General Problems of Terminology

See also 3117, 3166, 3167, 3243, 3370

3414 Association Française de Terminologie (AFTERM): **Terminologies 76.** Colloque international, Paris-La Defense, 15–18 Juin 1976. Paris: La Maison du Dictionnaire 1977. 433 p.

3415 Auger, P., Rousseau, L.-J.: **Méthodologie de la recherche terminologique.** Quebec: Office de la langue française 1977. 80 p.

3416 Bachrach, J. A.: **Le Xe Anniversaire du Conseil International de la Langue Française.** Sassenage, 17 au 20 mai 1977. In: Terminologie Bull. (1977) No. 29, p. 43–51.
Report about the C.I.L.F.'s 10th anniversary meeting in Sassenage near Grenoble its objectives and its publications (e.g. the journal "La Banque des Mots", proceedings of colloquia on special language relations and technical languages, and its 15 special vocabularies published between 1971 and 1977).

3417 De Besse, B.: **L'Association Française de Terminologie.** In: Terminologie Bull. (1977) No. 29, p. 53–61
Report on the objectives and activities of this association which was founded in May 1975 and which had its first international colloquium in June 1976. A cooperation exists with the Régie de la langue française in Quebec, Canada.

3418 Drozd, L. (Ed.): **Terminologicka Studie 6.** Collection of scientific papers of the Faculty of Farm Economics and Management, Agricultural College, Prague. Praha: Statni Pedagogické Nakladatelstvi 1976. 182 p. Kčs 16.50
14 Papers of a Colloquy which took place in 1973 in Prague devoted to "Questions of style and linguistic culture in terminology". No translation offered in either German or English. 5 papers are in German: 3419 Balazs, J.: Fragen des Stils und der Sprachkultur der ungarischen Fach- und Wissenschaftssprache. – 3420 Fleischer, W.: Einige Bemerkungen zur Terminologie der Gesellschaftswissenschaften. – 3421 Hoffmann, L.: Zur vertikalen Schichtung der Fachsprache. – 3422 Reinhardt, W.: Zu einigen Wortbildungserscheinungen unter dem Gesichtspunkt der Nominalität und der Verbalität der technischen Fachsprache des Deutschen. – 3423 Drozd, L.: Bemerkungen zur Motivationsart in der Terminologienormung.– The rest of the papers are in either Czech, Polish or Russian. – 3424 Hron, F.: Die Bedeutung des Kolloquiums „Zu Fragen von Stil und Kultur der Fachsprachen" (CS). – 3425 Jedlicka, A.: Die Kultur des wissenschaftlichen Stils der Sprache aus traditioneller und heutiger Sicht (CS). – 3426 Danilenko, V. P.: Besonderheiten fachsprachlicher Wortbildungen (RU). – 3427 Sinielnikoff, R.: Die Bildung polnischer biologischer Termini (PL). – 3428 Dwuznik-Jadaczka, H.: Terminus und Ausdruck der Allgemeinsprache (PL). – 3429 Filipec, J.: Anmerkungen zur landwirtschaftlichen Terminologie in einem tschechischen allgemeinen Wörterbuch (CS). – 3430 Tejnor, A.: Zur Fragen der Sprachnorm und der Codierung von Benennungen (CS). – 3431 Roudny, M.: Zur Methode der Terminologiearbeit und zur Einführung der Ergebnisse in die Praxis (CS). – 3432 Trnka, B.: Zur Diskussion der Fragen bzgl. Stil und Kultur der Wissenschaftssprache (CS).

3433 Felber, H.: **Infoterm News.** In: Intern. Classificat. 4 (1977) No. 2, p. 107–108
Excerpt of Infoterm Newsletter No. 6, covering a report on the Third European Congress on Information Systems and Networks, Luxemburg, 3–6 May 1977, a report on a Meeting of Experts on 'Interconcept" principles and strategies, Paris, Unesco, 9–11 May 1977 and some terminology news from the World Health Organization (WHO) in Geneva.

3434 Kerpan, N.: **Histoire de la terminologie au Canada et au Québec.** (In French). In: Meta 22 (1977) No. 1, p. 45–53

3435 Krommer-Benz, M. (Comp.): **World guide to terminological activities.** Guide mondial des activités terminologiques. München: Verlag Dokumentation 1977. 311 p., DM 68,– = ISBN 3-7940-5504-7; = Infoterm Series 4.
Lists the organizations involved in terminology work, the terminology banks existing and the commissions and committees of ISO and other standardization bodies devoting themselves to terminology work. Arrangement according to the UDC with a subject index in English and French.

3436 **List of foreign standards for scientific and technical terminology.** (In Russian). Moskva: VNII techn. inform., klassifik. i kodirovanija 1976. 294 p.
Bibliography of 3119 terminological standards of 43 countries up to Jan. 1, 1976. Arrangement according to the classification schedule of the USSR Standards Index, 1975.

78 Special Terminology Problems

3437 Goosse, A.: **La néologie française aujourd'hui.** Observations et réflexions. (In French). Paris: Conseil International de la Langue Française (CILF) 1975. 72 p.

3438 Kolobrodova, E. S.: **Unification of informatics terminology.** In: Intern. Forum on Inform. & Doc. 2 (1977) No. 3, p. 30–32, 7 refs.
Summary of the state-of-the-art in information science terminology, its development prospects and the main trends in the efforts to streamline it. (Author)

3439 **Library terminology.** (In Russian). Moskva: Gos. biblioteka SSSR im V.I. Lenina 1976. 57 p. = Sbornik naučnych trudov, vyp. 2
Collection of papers concerned with the historical development of the main concepts of librarianship, with problems and results in the field of library terminology work in the SU republics, with the linguistic methods of analysis of terminology systems and with some aspects of unification and standardization of scientific terminology.

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3440 Manochina, R. P.: **On the library terms making up the subject group of the "Methods guidance to libraries".** (In Russian). In: Vopr. metod. rukovodstva bibliotekami. Moskva 1976. p. 68–78, 3 refs.

3441 Marinow, L.: **The diachrony and synchrony of the science of science terminology.** (In Polish). In: Zag. naukozn. 12 (1976) No. 1, p. 102–115, 2 refs.
On the basis of a study of the Dictionary of Science of Science Terminology published by the Bulgarian Academy of Sciences, the author concludes that there is still a lack of terms for the adequate description of the phenomena studied. (Author, mod.)

3442 Morgenštern, I. G.: **Basic terms in library information work.** (In Russian). In: Nauč. u. techn. biblioteki SSSR (1977) vyp. 2 (156), p. 3–7, 17 refs.
Discussion of the terms denoting the information functions of a library. Definitions are given for the terms 'individualised, mass-oriented and group-oriented information', 'alphabetic card file of journal articles' and 'collection of unpublished bibliographies'. (Author)

3443 Tatarkiewicz, J.: **Technical-commercial information: a classification of terms.** (In Polish). Aktualn. probl. inform. i dok. 21 (1976) No. 5, p. 17–21, 30 refs.
Discusses inconsistencies in the use and understanding of the terms 'technical-commercial information', 'business information', 'technical-commercial literature', and 'business literature', as well as some other terms in the field. Existing definitions are examined, new ones proposed. (Author, abbr.)

79 Problems of Translation (incl. Multilingual CS)

See also 3166, 3167

3444 Chakraborty, A. R.: **Translational linguistics of ancient India.** Calcutta: Kanakdhara, 10/16 Kabi Bharat Chandra Road, Calcutta-28, India 1976. 56 p.
The author of "Translation in Medieval Bulgaria" (1969) presents in this slim volume another part of his intended history of translation, namely with regard to (1) ancient Indian philosophy of language – its relevancy to the problems of translation – and (2) Sanskrit and other neighbouring languages – their translational contacts. In introductory chapters he discusses the translation activity in general and perspectives, scope and his plan for a history of translation.

3445 Harris, B.: **Toward a science of translation.** In: Meta 22 (1977) No. 1, p. 90–92

8 Applied Classing and Indexing

83 Indexing of and by Titles, Phrases

See also 3274, 3275, 3304

3446 Farradane, J.: **A comparison of some computer-produced permuted alphabetical subject indexes.** In: Intern. Classificat. 4 (1977) No. 2, p. 94–101, 10 refs.
Short description of computer-produced alphabetical subject indexes by the methods of PRECIS, NEPHIS, an adaptation of Relational Indexing and POPSI, Comparison of these methods with 12 examples. Discussion of the various different characteristics. The desirability of information retrieval tests of these systems is emphasized. (Author)

3447 Hunt, R., et al.: **PRECIS, LCSH and KWOC: report of a research project** designed to examine the applicability of PRECIS to the subject catalogue of an academic library. Pt. 1: PRECIS, LCSH and the study catalogues. Wollongong, Australia: The Library, Univ. of Wollongong 1976. 139 p.

3448 Taylor, A., McCordick, I.: **PRECIS: indexing to revolutionize subject access to information in school resource centers.** In: Can. Libr. J. 33 (1976) No. 6, p. 523, 525–528, 6 refs.

88 Indexing of Primary Literature and Documents

3449 Crawford, W. C.: **Building a serials key word index.** In: J. Libr. Autom. 9 (1976) No. 1, p. 34–47, 4 refs.
The system uses MARC-format records. It was built at the University of California at Berkeley.

3450 Mischo, W. H.: **A computer-produced newspaper index.** In: J. Libr. Autom. 10 (1977) No. 1, p. 41–52
The indexer is required to directly select natural-language terms or phrases appearing in the headline or text of the newspaper article as subject descriptors. . . (Author, abbr.)

3451 Torchia, M. M.: **Two experiments in automated indexing:** the Presidential Papers and the Papers of the Continental Congress. In: The Amer. Archivist 39 (1976) No. 4, p. 437–445
The indexing of the Presidential Papers by the Library of Congress involved some 2 million manuscripts. Work started with punched cards in 1958; operations later transferred to an IBM 360 computer. The indexing of the papers of the Continental Congress (about 50 000 pieces) started in 1971.

89 Indexing and classing of pictures, etc.

3452 Post, J. B., Post, J.: **Indexing the Hexamer General Surveys.** In: Spec. Libr. 68 (1977) No. 3, p. 103–108
The Hexamer General Surveys are a 19th century set of 29 volumes of surveys of selected industrial properties in the Philadelphia, Pa. area. The mechanics and 'philosophy' of the authors' index are described as well as the often humorous inadequacies of the older indexes. (Authors)

3453 Wehmeyer, L. M.: **Cataloguing the school media center as a specialized collection.** In: Libr. Resourc. & Techn. Services 20 (1976) No. 4, p. 315–325

9 Classification "Milieu" (Org. & Econ.)

92 Persons and Institutions in Classification

See also 3417

3454 Felber, H.: **Wüsters Lebenswerk auf dem Gebiet der Terminologie, Klassifikation und Dokumentation.** (In German). In: Sprachmittler (1977) No. 2, p. 43–50
This reprint from ÖNORM (1977) No. 5 summarizes the contributions of Eugen Wüster with regard to standardization and esp. basic standards in terminology and lexicography (model-dictionary "The Machine Tool"), bibliographies of dictionaries, Infoterm, general science of terminology, language planning, international terminology-key, International Dictionary for Electrical Engineering, ABC rules, spelling reform, and refers to his more than 500 publications in 23 fields.

3455 Srivastava, A. P.: **Ranganathan: a pattern maker.** A syndetic study of his contributions. New Delhi: Metropolitan Book Co. 1977. 137 p.
Meant "as a sort of homage" to his teacher but at the same time with the intention to help Ranganathan's constructive ideas and realizations in library science to become better known the book is concerned with picturing patterns that Ranganathan made in classification, cataloguing, management, library organization, library education and in international librarianship.

95 Education and Training in Classification and Indexing

3456 Chapman, G.: **Team teaching of decimals: an integrated library and mathematical approach.** In: Austr. Sch. Librn. 13 (1976) No. 3, p. 61–66
Describes a project which aimed to introduce Form I pupils to the basic concepts of the Dewey Decimal Classification system

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within the framework of the decimal segment of their mathematics course.

98 User Studies

See also 3318

3457 Bates, M. J.: **Factors affecting subject catalog search success.** In: J. Amer. Soc. Inform. Sci. 28 (1977) No. 3, p. 161–169, 19 refs.
The study examined the effects of two variables on success in searching an academic library subject catalog that uses Library of Congress subject headings. The variables were "subject familiarity" and "catalog familiarity"... Success was measured as degree of match between search term and term used by the library for desired books on the subject. Surprising results were that overall matching success was strikingly low. (Author, abbr.)

3458 Bates, M. J.: **System meets user: problems in matching subject search terms.** In: Inform. Process. & Management 13 (1977) No. 6, p. 367–375, 19 refs.
Sixty-one undergraduate and graduate students in psychology, economics, and librarianship provided the subject terms they would use to search an academic library catalog in 30 hypothetical search instances. The subject indexing tested was that of the Library of Congress. Results were produced on see references, subject/place order, noun/adjective order, specific entry, direct entry, and a priori probability of subject term matching. It was found to be very difficult to develop a good strategy for searching a catalog using LC subject headings. The overriding conclusion was that the LC subject cataloging approach is badly in need of rationalization. (Author)

3459 Zuzuki, M.: **On the use of a unique classification system.** (In Japanese). In: Semmon tosyokan (1976) No. 65, p. 17–24
Of a total of 1490 information centres in Japan, 500 or 33.6% use their own schemes, 630 or 42.7% use the Nippon Decimal Classification, 234 or 15.7% employ UDC. Among the special libraries 41.3% use their own classifications, 35.9% use NDC and the rest use UDC. The choice of the scheme depends on collection size, retrieval system scope and function, and information services offered. The UDC has been traditionally used in retrieval systems for chemistry, electrical engineering and in government organisations, whereas the NDC is largely limited to local information units and private libraries.

99 Standardization in Classification

3460 Araki, K.: **Introduction to and comments on ISO 2788:** Guidelines for the Establishment and Development of Monolingual Thesauri, 1974. (In Japanese). In: Zyoho kanri 19 (1976) No. 6, p. 417–425, 21 refs.

3461 Durance, C. J.: Workshop papers: Technical services coordinating group: **Components of a subject authority control system** and the present state of development. In: Can. Libr. J. 33 (1976) p. 449–451

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