0 Form Divisions

01 Bibliographies

2201 Farrell, W. T.: **Hierarchical clustering: a bibliography.** Los Angeles, Calif.: University of California 1975. 30 p. = NTIS: AD-A022 990
The majority of the 184 references listed were published within the last ten years.

2202 Laureilhe, M. T.: **Septième complément à la bibliographie des thesauri** et index par matières parus depuis 1960 (au 31 décembre 1975). In: Bull. Bibl. France 21 (1976) No.3, p. 107–113
Lists 54 thesauri of which 17 have been accessed in the Bibliothèque nationale. An appendix lists 38 thesaurus projects under development. (See also 036, 524, 1128 and 1129 in I.C. 74–1, 74–2 and 75–2).

2203 **Annuaire des thesaurus: suivi d'un index des domaines et sous-domaines couvertes par les thesaurus et d'une liste des organismes auteurs. 2e ed.** (In French). Paris: Bur. Nat. Inform. Sci. et Techn. 1975. Rev. by M.-Th. Laureilhe in: Bull. Bibl. France 20 (1975) No.11, p. 858 (In French)

2204 **Some recommended books on indexing** (in the Society of Indexers library). In: Indexer 10 (1976) p.37

02 Literature Reviews

2205 Dahlberg, I.: **Major developments in classification.** In: Voigt, M. J., Harris, M. H. (Eds.): Advances in Librarianship, Vol. 7. New York–San Francisco–London: Academic Press 1977. p. 41–103, 180 refs.
Contains the following chapters: 1. Sketching recent classification history, 2. Developments related to the six universal classification systems in use today, 3. Developments in classing methodology, 4. Developments in universal classification, 5. Organizational activity in the classification field.

2206 Hickey, D. J.: **Subject analysis: an interpretive survey.** In: Library Trends 25 (1976) No.1, p. 273–291, 3 p. bibl.
General problems of subject analysis, development since 1876 and futures perspectives.

2207 Landry, B. C., Rush, J. E.: **Automatic indexing.** Progress and prospects.In: Belzer, J. (Ed.): Encyclopedia of Computer Science and Technology. New York: Dekker 1975. Vol. 2, p. 403–447, 85 refs.

2208 Sidorčenko, V. D.: **Semantic structure of a thesaurus: state of the art and development trends.** (In Russian). In: Naučno-techn. inform., Ser. 2 (1976) No.9, p. 3–12, 74 refs.
The components of an information retrieval thesaurus are described as (1) a set of meaning-expressing elements, (2) a set of lexico-semantic relations, and (3) the conceptual system. The development trend of thesauri is outlined consisting in improved forms of concept representation, new models of lexico-semantic relations, more ramified relations and a larger stock of concepts. (Orig. abstr.)

03 Dictionaries, Terminologies

2209 Nakamura, Y.: **Let's have a clear understanding in basic concepts. I. The case of 'sort' and 'classification'.** (In Japanese). In: Dokumentesyon Kenkyu 26 (1976) No. 2, p. 65–67

2210 Natanson, E.: **Termes et concepts de la classologie.** (In French). In: Meta, Canada 21 (1976) No.2, p. 134–140
Study of the concepts and the terminology of 'classology', the discipline concerned with the "theory, methods and procedures of classing and the creation of classification systems".

2211 **Classification Terminology – DDC.** In: Intern. Classificat. 3 (1976) No.2, p. 106–107
67 special terms and their definitions in alphabetical order as used by the authorities of the Dewey Decimal Classification.

2212 **Terminologičeskij slovar' po informatike.** (Dictionary of informatics terms) (Title in 14 languages). Moskva: Meždunarodnyj Centr Naučnoj i Techničeskoj Informacii 1975. 752 p., Rubel 9.–
The dictionary comprises 2235 terms covering various areas of information science and practice as well as of related areas. Pt.I consists of an alphabetic list of terms (with synonyms) and their definitions in Russian. Each term is accompanied by its corresponding equivalent terms in the national languages arranged in the following order: Bulgarian, Hungarian, Spanish, Macedonian, German, Polish, Rumanian, Serbo-Croatian, Slovak, Slovenian, Czech, English, French. To each term of the Russian alphabetic list a code is given, indicating its subject division of a broad classification system given in the introduction. It contains under 02.221 a place for "Systematisation. Classification. Indexing. Coding", altogether 202 terms could be identified with this code in the alphabet; Information retrieval languages terms are placed under 02.241, altogether 28 terms could be found; under 04 Logic altogether 127 terms were put and under 05 Semiotics altogether only 14.– There is an index for the terms in each of the languages.

04 Classification Systems and Thesauri

041 Universal Classification Systems

2213 **Classificação Decimal Universal. 37. Educação, Ensino. Lazer.** Ed. desenvolvida em língua portuguesa. Rio de Janeiro: Instituto Brasileiro de Informação em Ciência e Tecnologia. Lisboa: Centro de Documentação Científica 1976. 29 + 56 p. = FID Publ. 342
This special edition of class 37 Education of the UDC has been prepared by the IBICT/CDU group; tables and index were generated by computer-program ELVCDU/3 (author: Prof. Elvia de Andrade Oliveira).

2214 **Clasificación Decimal Universal.** La Habana: Inst. Cubano del Libro 1974. 831 p., C $ 40.– = FID Publ. 535
Edition prepared (with financial assistance from Unesco) by the Cuban National Member of FID

2215 Gupta, Sh.: **CC needs more schedules: physical anthropology, depth classification version of CC.** In: Indian Libr. Movement 2 (1975) No.3, p. 101–108
The design is given for a depth classification version of CC for compound subjects going with the Host Class YU Physical Anthropology. The schedules are followed by an alphabetical subject index.

2216 **Bibliotečno-bibliografičeskaja klassifikacija ... Sokraščennoe varjant. Svodnyj alfavitno-predmetnyi ukazatel'.** (Cumulated alphabetical subject index to the Library-Bibliographical Classification). Moskva: Kniga 1975. 544 p.

2217 **SPINES Thesaurus: a controlled and structured vocabulary of science and technology for policy-making, management and development.** Vols.I–III. Paris: Unesco Press 1976. Vol.I: 80 p., Vol.II (in 2 parts) 316 + 236 p.,

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Vol.III: 35 Graphic displays, A3x2 format. 165 F. = ISBN 92-3-101377-7
Vol. I contains a description of the SPINES system, rules and conventions of the SPINES Thesaurus, directions for use, list of top descriptors serving as auxiliary devices, list of international organizations and list of organizations, experts and bibliographical sources consulted. Vol. II contains the alphabetical list of the descriptors and their relationships and Vol. III a global graph and 34 special area graphs of related fields of knowledge. There are altogether 7735 alphabetical entries (numbered) but there is no linking from these numbers to the entirely different numbering of the charts and their subcharts.

2218 **Stamm, R. P., Ryerson, T.: NTIS subject classification. Springfield, Va.:** National Technical Information Service 1975. 95 p. = NTIS: NTIS/SR-75/01
Contents: the academically oriented classification scheme endorsed by the Conunittee on Scientific and Technical Information (COSATI), the current NTIS classification scheme used along with the COSATI categories; subject matter scope notes and an index to the NTIS scheme as well as conversion tables. (Authors, abbr.)

2219 **Outline of the Classification of Science and Technology.** (In Japanese). Tokyo: Japan Science Foundation. Science Museum, Div. of System Development 1976. 243 p.
The tables have a decimal notation to which the index refers. (See also description by T. Yosimura in Intern. Classificat. 4 (1977) No.1).

04–01/09 Special Classification Systems – Objects

2220 Voegelin, C. F. and F. M.: **Classification and index of the World's languages.** New York–Oxford Amsterdam: Elsevier 1977. 658 p. = ISBN 0-444-00155-7
Arrangement according to broad classes which, however are not themselves assembled together. The entries are alphabetical. Thus under G one finds GERMANIC and under I INDO-EUROPEAN, but there are then references to all the Indoeuropean languages, among which GERMANIC. There is an extensive bibliography (p. 359–383) and an alphabetical index (p. 387–658) for all the languages existing.

04–1/9 Special Classification Systems – Subjects

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

2221 Schiminovich, S. (Ed.): **Physics and astronomy classification scheme – 1976.** (PACS 1976). New York, N.Y.: Amer. Inst. of Physics 1975. 18 p.

2222 **A concordance to the INSPEC Classification, 1969–1976.** London: Institution of Electrical Engineers 1976.
Provides a synopsis of the changes made to the classification in the period 1969–1976 for each of the three subject sections– physics, electrical and electronics engineering and computer science and control engineering.

2223 **Thesaurus of organic reactions.** (In Russian). Moskva: VINITI 1975. 236 p.
The thesaurus consists of the following five parts: (1) Lexico-semantic list of descriptors and non-descriptors; (2) Index of generic-specific relationships; (3) Alphabetic list of descriptors with English and German equivalents; (4) Alphabetic list of English keywords with Russian equivalents; and (5) Alphabetic list of German keywords with Russian equivalents.

2224 Cruset, J.: **La photogrammétrie: définition, méthodes, historique et terminologie.** In: Banque des Mots (1976) No.11, p. 71–92, 6 refs.
The vocabulary is presented in French with equivalents in English and German and with definitions in French.

2225 Bokij, G. B. et al.: **Russian-German minerals thesaurus, Vol. I.** (In Russian). Moskva: VINITI 1976. 300 p.
Bilingual Russian-German subject register as part of the "roof"-thesauri for chemistry and geology developed for the State STI System.

2226 **Specialised descriptor dictionary for mining-chemical industry.** Pt. I and Pt. 2 (In Russian). Moskva: NII Techn.-Ekon. Issled. 1975. 227 + 172 p.
This is the second edition, revised and enlarged. It is composed of three parts and a list of interdescriptor hierarchical relations.

2227 **Thesaurus of agricultural terms.** Scottsdale, Arizona: Oryx Press 1976. 83 p., $ 9.50
Includes over 25000 agricultural terms generated from the titles of the journal articles indexed for the Bibliography of Agriculture published by the Oryx Press.

2228 Koekebakker, F. A.: **Agricode for agricultural libraries.** Wageningen: Neth. Centre Agric. Publ. Doc. 1976. 136 p. = ISBN 90-2200-567-4
English version of the Dutch 'Landbouwcode', translated from the second edition of 1962 (FID 337). It is based on the UDC.

2229 **Information-retrieval thesaurus for forestry and forest industry.** (In Russian). Moskva: GOSINTI 1975. 225 p.
Thesaurus comprises 2500 terms (2210 descriptors and 290 keywords). The descriptor entries are arranged alphabetically. Three indexes (classified, direct keyword and inverse keyword indexes) provide additional access.

2230 **Information retrieval thesaurus for bread baking.** (In Russian). Moskva: GOSINTI 1975. 287 p.
Description of the bakery information retrieval thesaurus, used in the Kvantor IR system. It contains 3000 lexical units or 2600 descriptors and 400 keywords, arranged alphabetically with three supplementary indexes. In addition there is a list of linkwords and two indexes to it (direct and reverse).

2231 **European Brewery Convention Thesaurus.** Zoeterwoude, Netherlands: European Brewery Convention 1976. hfl 135.–
A multilingual thesaurus for the languages E, D, F and Nl, of about 3100 terms in alphabetical arrangement (each language separate with its equivalents). For further information contact: EBC Information and Documentation Group, c/o Heineken Technisch Beheer B.V. Smeetsweg 1, P.O. Box 510, Zoeterwoude 2406, Netherlands.

2232 **Klassifikationsschema der Internationalen Dokumentation der Ernährungswirtschaft und Ernährungswissenschaft I.D.E.E.** (Classification scheme for the international documentation of nutrition science and nutrition economics.) (In German). Wien: Österr. Ges. f. Ernährungsforsch. 1975. 36 p.

2233 Dubynina E. I. et al.: **Information retrieval authority list for the medical sciences and health services.** (In Russian). Moskva: BNII Med. i. Med.-Techn. Inform. 1976. 132 p.

2234 Höpker, W.-W.: **Das Problem der Diagnose und ihre operationale Darstellung in der Medizin.** (The problem of diagnosis and its operational presentation in medicine). (In German). Berlin–Heidelberg–New York: Springer Verl. 1977. 105 p. = Suppl. 1/Jg. 1977 zu den Sitzungsber. d. Math.-naturwiss. Kl. Heidelberger Akad. d. Wiss. = ISBN 3-540-08079-1
Discusses in an introductory part the definitions of illness, health and kinds of diagnoses as well as their relation to information, language and classification. Classification systems in medicine are shortly described and the requirements of a useful thesaurus in medicine are pointed out. The "Thesaurus der Medizin" (TdM) is described and presented (p. 73–105) (a faceted classification). The collaborators are mentioned on the title page. The bibliography comprises some 700 entries.

2235 **Berufskundliche Informations- und Dokumentationssystematik für die Beratungsstelle und Vermittlungsdienste der Bundesanstalt für Arbeit.** Ausg. 1974. (Classification scheme for vocational information and documentation services.) (In German). Nürnberg: Bundesanstalt für Arbeit 1974. 128 p.

2236 Steiner, W. A. F. P. (Comp.): **Classification scheme and list of subject headings for the Squire Law Library, University of Cambridge.** Dobbs Ferry, N.Y.: Oceana

https://doi.org/10.5771/0943-7444-1977-1-51 https://www.inlibra.com/de/page/agb - Open Access - (cc) BY

Publications, Inc. 1974. 159 p. = ISBN 0-379-20060-0. $ 10.–

2237 Gemar, J.-C.: **Vocabulaire phraséologique établi sur la base des traités instituant les communautés européennes.** (In French). In: Meta 21 (1976) No.1, p. 110–112
Presentation of the glossary in six languages, established by the Terminology Bureau of the Commission of European Communities.

2238 Renaud, M.: **Vocabulaire horloger.** In: Banque des Mots (1976) No.11, p. 55–70, 2 refs.
This vocabulary for the terms in the field of clock-making lists especially those which are generally not found in the current dictionaries or which are not well defined. The French terms are presented with the English equivalents and a definition in French.

2239 **Automotive Engineering Terms. A thesaurus.** Motor Industry Information Group 1974. 40 p.
The thesaurus was based on one developed by the Technical Librarian of Chrysler (U.K.) Ltd.

2240 **Information retrieval thesaurus for railway transport.** (In Russian). Moskva: GOSINTI 1975. 296 p.
Lists alphabetically about 3000 terms in the railway transportation field and several allied fields, (2800 descriptors and 200 keywords). Three auxiliary indexes (classified, direct and reverse keyword indexes) help to provide access as well as a list of 'service keywords'.

2241 **Thésaurus informatique.** (2nd ed.) Paris: Centre National de la Recherche Scientifique 1976. 3 vols.
Thesaurus of about 1 200 descriptors in alphabetical and hierarchical lists, a 'liste permutée' and a list 'correspondances français-anglais'.

2242 **Categories of the Computing Sciences. Classification System for Computing Reviews.** A Description. In: Comp. Rev. 17 (1976) No.5, p. 175–198
A characterization of each of the 201 categories is given, used to present the abstracts of the journal 'Computing Reviews' in a systematical way. For each one a definition/description as well as a scope note on the coverage and a note on excluded subcategories are outlined. In some cases comments are added also. Index to this Classification System on p. 196–198.

2243 **Doppeltnotierte Einheitsklassifikation** (Double-noted standard classification). **Philosophie.** (In German) Berlin: Deutscher Bibliotheksverband. Arb.stelle f. d. Bibliothekswesen 1977. X, 227 + 167 p.
As a first accomplishment of a project toward a standard classification for all the libraries of the Federal Republic of Germany the tables for the discipline 'philosophy' are presented, based on the collections (and their notations) of the Munich State Library and added to these a tripartite arbitrary notation which fixes those classes of items of the Munich library for which considerable holdings could be seen to exist. The literature of certain philosophers is kept together with the one about them. In the annex 3 steps of abridged versions of the scheme are given as well as test classifications from the Deutsche Bibliothek and the Zentrallektorat ÖB (Public libraries).

05 Periodicals and Serials

2244 **Infoterm News Letter.** International Information Centre for Terminology (Infoterm), Leopoldsgasse 4, A 1021 Wien. 1 (1976) No. 1–
Appears from time to time in the journal "Lebende Sprachen". No.1 was included in Lebende Sprachen 21 (1976) No.3, p. 139–142
Nr. 1 contains: A list of terminological data banks and references to new books in the field. No. 4 contains a bibliography of the terminological standards existing, standards and guidelines on thesauri and a calender of future meetings.

06 Conference Reports, Proceedings

2245 Bašin, M. L., Bagrad, M. V.: **The scientific conference "Classification of information and the scientific management of the development of a socialist society".** (In Russian). In: Naučno-techn. inform. Ser. 1 (1976) No.3, p. 35–36
Report on a conference which took place in Riga, Febr. 1975 on the above topic and outline of its papers and recommendations.

2246 **Rechnerunterstützte fachsprachliche Lexikographie.** (Computer-aided lexicography for special languages.) (In German). Internationales Kolloquium an der Technischen Universität Dresden vom 5.–7. Februar 1975. In: Wiss. Z. d. Techn. Universität Dresden 24 (1975) No.6, p. 1241–1292
The Colloquium was organized by the Institut for Applied Linguistics and the Computer Center of the Technical University of Dresden. The volume contains the following papers: 2247 Baumann, E., Stahl, H.: Tagungsbericht. 2248 Baumann, E. et al.: Das Elektronische Wörterbuch der Fachsprachen Russisch/Englisch/Deutsch – EWF. 2249 Filipec, J.: Relevante Terminusmerkmale und einige Möglichkeiten ihrer Bearbeitung durch technische Mittel. 2250 Drozd, L.: Ordnungssysteme in der Terminologie. 2251 Hotzler, H.: Der Aussagegehalt einer technischen Information als Funktion der Fachlexik. 2252 Tejnor, A.: Zur Problematik der Bearbeitung von Fachwortschätzen mittels Lochkarten. 2253 Hoffmann, L.: Häufigkeitswörterbücher der Subsprachen von Wissenschaft und Technik – ein Ergebnis der rechnerunterstützten Textanalyse. 2254 Spitzbardt, H.: Automatische Wurzelanalyse im modernen Indonesischen. 2255 Mater, E.: Zur Bildung von Quasistämmen für die rechentechnische Verarbeitung. 2256 Gross, H.: Gedanken zur Methodik der fachsprachlichen Lexikographie. 2257 Borsdorf, W.: Näherungsverfahren zur Bestimmung des lexikographischen Erfassungsgrades. 2258 Troebes, O.: Erwägungen zu einem Fügungswörterbuch russischer fachsprachlicher Verbindungen. 2259 Hlaváč, T.: Einige Erfahrungen bei der maschinellen Verarbeitung diakritischer Zeichen. 2260 Klingel, W.: Die Herstellung von Wörterbüchern im rechnergesteuerten Fotosatz. 2261 Lindner, U.: Eine Realisierungsmöglichkeit der Freiantwortkontrolle im rechnergestützten Unterricht unter Benutzung eines Verfahrens der automatischen Satzanalyse. 2262 Lebelt, W.: Eine AIDOS-Version zu einem Begriffskatalog „Informationsverarbeitung", dargestellt am Beispiel der Sektion Informationsverarbeitung.

2263 All-Union Institute for Scientific and Technical Information: **Proceedings of the Meeting of the FID Committee "Terminology of Information and Documentation", Moscow, 22–24 May 1975.** (Title also in Russian). Moskva: VINITI 1976. 119 p.
Preface by the chairperson of FID/DT, Mrs. G. S. Ždanova and the 11 papers presented in Russian and English, as follows: 2264 Ždanova, G. S.: Report on the activities of FID/DT Committee "Terminology of Information and Documentation". 2265 Felber, H.: Co-operation in terminology of documentation and information. 2266 Popov-Čerkasov, I. N., Volkova, I. N.: Terminology standardization today and tomorrow and its rôle in MIS linguistic support. 2267 Kuskov, A. N.: Organizing the informatics terminology service for the patrons of the international system of scientific and technical information. 2268 Fogl, J., Kubatova, V.: Interpretation of the basic concepts of information science. 2269 Beling, G., Wersig, G.: Terminology in the intersection between informatics (information science) and informatics (computer science). 2270 Ščerbina-Samoilova, I. S.: On relations between term systems and classifications. 2271 Šrejder, Ju. A.: A system of concepts as the base of terminology. 2272 Paščenko, N. A.: Terminological control in information retrieval. 2273 Lindemann, H.: Terminological control of primary publications in information science. 2274 Basova, I. M.: Terminological control in the field of informatics.

2275 Höhne, H.: **Kolloquium zur Propagierung der Einheitsklassifikation in Gotha: Bericht** über das Seminar zu Problemen der Sachkatalogisierung vom 1.–4.Sept. 1975. (In German). In: Z. bl. Biblwes. 90 (1976) No.2, p. 61–62
Report on a Colloquium in Gotha (1–4 Sept. 1975) on the problems of subject cataloguing which treated the difficulties in introducing a standard classification into the libraries of the GDR, the problems associated with the BBK (Library-Bibliographical Classification) in the USSR and the current state of development and prospects for the UDC.

2276 Horsnell, V.: **Report of a Workshop on Multilingual Systems.** Wetherby: The British Library 1976. III, 35 p., £ 2.50 = BLRD Report 5265; ISBN 0-85350-137-8

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The Workshop took place at Dunchurch Industrial Staff College on 6–7 October 1975. The report includes the summaries of the papers presented, accounts of the discussion sessions and recommendations for further research.

2277 **UNISIST International Symposium on Information Systems and Services in Ongoing Research in Science,** organized by Unesco in collaboration with the Smithsonian Science Information Exchange, USA, 27–29 Oct. 1975, Paris. Budapest: Hungarian Central Technical Library and Documentation Centre 1976. 469 p., ISBN 963-592-062-8
Contains the 45 papers and discussions to the 4 Sessions. The questions of classification systems and thesauri used for the subject representation of the research reports were treated in almost every paper, however especially detailed only in the following: 2278 Wolff-Terroine, M., Plante, S.: The Macrothesaurus, a new instrument with which to index multidisciplinary data banks.– Of interest may be in this regard also: 2279 Sorokin, Ju. N.: Ways of solving the compatibility problem in the International Scientific and Technical Information System.– List of participants and author index.

2280 **International Symposium on the Cataloguing, Coding and Statistics of Audio-Visual Materials.** In: Unesco Bull. Libr. 30 (1976) No.3, p. 174
The International Symposium was held at Strasbourg from 7–9 Jan. 1976.

2281 Höhne, H.: **Bericht über das Seminar für Klassifikationsfragen vom 31. Mai bis 4. Juni 1976.** (In German). In: Zbl. f. Bibl.wes. 91 (1977) No.1, p. 15–17
Report on the papers of another classification seminar held at Gotha which were mostly concerned with the problems of adaptation of the Russian BBK in the libraries of the DDR and with the possibilities of the UDC.

2282 **UNISIST/NFAIS International Seminar on Indexing.** In: UNISIST Newsletter 4 (1976) No.3, p. 4–5
Short description of the organizational questions and the purposes of the seminar which took place from 21–25 June 1976 in Warsaw.

2283 Krommer-Benz, M.: **Colloque Internationale de Terminologie, Paris, June 1976.** In: Intern. Classificat. 3 (1976) No.2, p. 99–100

2284 Fellmann, U.: **European Centenary Seminar on the DDC,** Sept. 26–30, 1976, Banbury, U.K. In: Intern. Classificat. 3 (1976) No.2, p. 96–98

2285 Pelletier, M.: **The public libraries and the Dewey Decimal Classification.** (In French) In: Bull. Bibl. France 21 (1976) No.12, p. 539–546
Report on the European Seminar for the celebration of the Centenary of the Dewey Decimal Classification, held at Banbury, England, Sept. 26–30, 1976.

2286 Felber, H.: **Moscow Meeting of ISO/TC37/WG1 "Principles of terminology",** Sept. 27–30, 1976. In: Intern. Classificat. 3 (1976) No.2, p. 100–101

07 Textbooks

2287 Wynar, B. S., Immroth, J. P.: **Introduction to cataloguing and classification.** 5th ed. Littleton, Colorado: Libraries Unlimited 1976. 426 p. = Library Science Text Series
Completely revised and updated edition containing also the changes regarding the Anglo-American Cataloging Rules. A new chapter on comparative classification provides an overview of Cutter's Expansive Classification, J. D. Brown's Subject Classification, Bliss's Bibliographic Classification, the UDC and Ranganathan's CC.

2288 Ungurian, O.: **Elementy Teorii Języków Informacyjnych.** (Elements of Information Languages Theory). (In Polish). Warszawa: Polska Akademia Nauk. Ośrodek Informacji Naukowej 1976. 253 p., 135 refs.
Manual dealing with the function of information languages in information systems, terminological problems, the indexing process, principles of organization and construction of information languages. Examples of different languages are given. Bibliography.

08 Other Monographs

2289 Maltby, A. (Ed.): **Classification in the 1970s. A second look.** Rev. ed. London: C. Bingley. Hamden, Conn.: Linnet Books 1976. 262 p., ISBN 0-85157-221-9; ISBN 0-208-01533-7
Contains the following partly revised and updated contributions: 2290 Maltby, A.: Classification – logic, limits, levels. 2291 Mills, J.: Bibliographic Classification. 2292 Gopinath, M. A.: Colon Classification. 2293 Immroth, J. P.: Library of Congress Classification. 2294 Lloyd, G. A.: Universal Decimal Classification. 2295 Vickery, B. C.: Classificatory principles in natural language indexing systems. 2296 Keen, E. M.: Prospects for classification suggested by evaluation tests. 2297 Austin, D.: The CRG research into a freely faceted scheme. 2298 Freeman, R. R.: Classification in computer-based information systems of the 1970s. 2299 Sparck Jones, K.: Automatic classification. 2300 Vann, S. K.: Dewey Decimal Classification.– Index.

2301 Ungurian, O.: **Teoria i praktyka klasyfikacji fasetowej S. R. Ranganathan,** Warszawa: Instytut Informacji Naukowej, Technicznej i Ekonomicznej 1975. 260 p. Zl 67.00
Presentation of the contributions of S. R. Ranganathan to library science, especially outline of his theory of faceted classification and the Colon Classification, and his special terminology, including also an English-Polish glossary of Ranganathan's original terms with definitions. The book is also meant to explore the possibilities of using faceted classifications in Polish information systems.

2302 **Original notation methods.** Collected translations of foreign works on indexing. (In Russian). Leningrad: Biblioteka Akad. Nauk SSSR, Vyp.4, 1976. 74 p.
The volume contains the following selection of translated articles: 2303 Toman, J.: A system of faceted classification with a multidimensional mnemonic notation and with a classification formula. 2304 Dobrowolski, Z.: Notational system with short symbols. 2305 Grolier, E. de: New studies in the symbolism of documentary classifications. 2306 Fugmann, R., Braun, W.: Hierarchical notation of concepts: a worthwhile application area for programmable computing automata. 2307 Richmond, P. A.: A simple mnemonic large-base number system for notational purposes.

09 Standards, guidelines

2308 Österreichisches Normungsinstitut; Fachnormenausschuß „Bibliothekswesen und Dokumentation": **Bibliothekswesen und Dokumentation. Verzeichnis ausgewählter Normen und Normentwürfe mit kurzen Erläuterungen.** (Directory of selected standards). Wien: Österr. Normungsinst. 1976. 29 p.
Contains descriptions of standards in the field of library science, information science, terminology/lexicography and classification. Covers the ISO-standards as well as those from Austria, Federal Republic of Germany, German Democratic Republic and Switzerland.

2309 **UNISIST Guidelines for the Establishment and Development of Multilingual Thesauri.** Paris: Unesco 1976. 49 p. = SC.76/WS/102
These Guidelines are identical with the Revised Draft Version of the Unesco/ISO/TC 46/WG5 – Editorial Group Document of Sept. 1976 and carries a Unesco-Copyright.
They contain the following chapters: 1. Introduction, 2. Definitions, 3. The basic problems of multilingual thesauri, 4. Presentation and arrangement, 5. The process of constructing a multilingual thesaurus, 6. Organizational aspects.

1 Theoretical Foundations of Classification

11 General Theory of Order

See also 2245, 2290, 2295

2310 Dahlberg, I.: **Classification theory, yesterday and**

https://doi.org/10.5771/0943-7444-1977-1-51 https://www.inlibra.com/de/page/agb - Open Access - (cc) BY

today. In: Intern. Classificat. 3 (1976) No.2, p. 85–90, 34 refs.
Until very recently, classification theory was held to be nothing but an expressed or unconscious knowledge framed in intuitively given reasons for the subdivision and arrangement of any universe. Today, after clarification of the elements of classification systems as well as of the basis of concept relationships it is possible to apply a number of principles in the evaluation of existing systems as well as in the construction of new ones and by this achieving relatively predictable and repeatable results.
(Author)

2311 Enç. B.: Spiral dependence between theories and taxonomy. In: Inquiry 19 (1976) No.1, p. 41–71

12 Conceptual Basis of Classification

2312 Balk, M.: Individualisierung chemischer Herstellungsverfahren. (Individualization of chemical procedures) (In German). In: Mitt. dt. Patentanwälte 67 (1976) No.11, p. 204–210, 11 refs.
Die Individualisierung erfolgt durch die Koppelung der Reaktionsgleichung mit der Raum-Zeit-Koordinate ihrer Verwirklichung. Es werden Identitätsrelationen und ein Unterscheidungskriterium festgesetzt. Ferner wird ein Neuheitskriterium für chemische Herstellungsverfahren aufgestellt, das die Grundlage einer patentrechtlichen Neuheitsprüfung von Herstellungsverfahren bilden kann.

2313 Raskina, A. A., Sidorov, I. S., Šrejder, Ju. A.: Semantic foundations of object-feature languages (In Russian). In: Naučno-techn. inform., Ser. 2 (1976) No.5, p. 18–25, 21 refs.
The semantics of the main classes of lexical units (LU) in object-feature languages is analysed. The analysis makes use of the tools of taxonomy and meronymy in terms of which it is convenient to speak of the contents and scope of notions expressed by LU. Meanwhile, the tools themselves are modified: the concepts are refined of 'taxon', 'meron', and 'archetype'; categories are introduced of 'object kernel', 'conceptual image', constant correspondence'. (Orig. abstr. abbr.)

2314 Kutschera, F. v.: Einführung in die intensionale Semantik. (Introduction into intensional semantics) (In German). Berlin–New York: W. de Gruyter 1976. 186p.
Contains the following chapters: Die Sprache der elementaren Prädikatenlogik. Notwendigkeit. Konditionalsätze. Glaubenssätze. Normsätze. Die Sprache der Typenlogik. Verallgemeinerungen des Interpretationsbegriffs. Intensionale Semantik und natürliche Sprachen. Bibliography. Keyword-index. List of symbols used.

2315 Bealer, G.: Predication and matter. In: Synthese 31 (1975) p. 493–508

2316 Gabbai, D. M.: A generalization of the concept of intensional semantics. In: Philosophia 4 (1974) No.2–3, p. 251–270

2317 Gorškova, T. M.: Statistical investigation of the scope and morphological structure of a term. (In Russion). In: Inform. Jasyki. Moskva 1975. p. 112–122, 286, 11 refs.
Report on the findings of a statistical study of terms occurring in the journal "Voprosy filosofii". The multi-word phrases and the morphological organisation of terms were analysed.
(Author, abbr.)

2318 Grene, M.: Is genus to species as matter to form? Aristotle and taxonomy. In: Synthese 28 (1974) p. 51–69

2319 Leonovič, G. A.: Role of terms in scientific cognition. (In Russian). In: Filos. i nauka. Leningrad: Leningr. Universitet 1975. p. 17–20, 4 refs.
Discussion of the role of philosophical and scientific terms in cognition which are considered as promoting the creation of new knowledge and new concepts. They determine the formal structure of scientific theories and shape the process of scientific cognition.

2320 Merrill, G. H.: A free logic with intensions as possible values of terms. In: J. of Philosoph. Logic 4 (1975) No.3, p. 293–326

2321 Zemach, E. M.: Sachverhalte, Tatsachen und Eigenschaften. (State of affairs, facts and properties). (In German). In: Ratio 17 (1975) No.1, p. 45–49

2322 Marx, W.: Erkenntnistheoretische Reflexion zum Problem imprädikativer Begriffsbildungen. (Epistemological reflection concerning the problem of impredicative concept formations). (In German). In: Ratio 17 (1975) No.1, p. 32–44

13 Mathematics of Classification

2323 Rebrova, M. V.: Diffuse sets in classification theory. (In Russian). In: Naučno-techn. inform., Ser.2 (1976) No.10, p. 15–21, 13 refs.

2324 Radecki, T.: Mathematical model of information retrieval system based on the concept of fuzzy thesaurus. In: Inform. Process. & Management 12 (1976) No. 5, p. 313–318, 5 refs.

14 Systemology and classification

2325 Mironov, V. N., Urlev, L. D.: Systems-structural approach to information language typology. (In Russian). In: Inform. Jasyki. Moskva 1975. p. 151–159, 288, 8 refs.
Presentation of a non-conventional approach to the structure of intellectual acts in cognition. The case is built for a four-level system of metalanguages to refelct the nature and content of information. This set of metalanguages represents a hierarchical structure, provides for compatibility among systems at different levels and for information interchange irrespective of the sectoral affiliation of the system. (Author)

2326 Tarail, L. A.: The feasibility of the systems approach in library classification research. (In Russian). In: Organiz. katalogov i vnedrenie Biblioteč.-bibliograf. klassifik. v. GPNTB Sib. otd. AN SSSR. Novosibirsk 1975. p. 120–130, 11 refs.
Discussion of some principles of the systems approach as applied to library classification systems, which are regarded as systems of concepts.

15 Psychology and Epistemology of Classification

2327 Piaget, J.: Structures and categories. In: Logique et Analyse (1974) No. 67–68, p. 223–240

16 Development of Science and Classification

2328 Oeser, E.: Wissenschaftstheorie und empirische Wissenschaftsforschung. Bd. I von „Wissenschaft und Information". (Philosophy of science and empirical science research). (In German). Wien–München: Oldenbourg Verlag 1976. 158 S. ISBN 3-486-48111-8 (R. Oldenbourg München)

2329 Oeser, E.: Erkenntnis als Informationsprozeß. Bd. 2 von „Wissenschaft und Information". (Cognition as an information process.) (In German). Wien–München: R. Oldenbourg 1976. 144 S. ISBN 3-486-49261-6 (R. Oldenbourg München)
8 Kapitel: Der Informationsbegriff als Grundlage der Erkenntnistheorie – Die semiotische Explikation des Informationsbegriffs und die Analyse des Informationsgehalts – Der Informationsprozeß im Systemverhalten – Der informationsverarbeitende Automat als Analogiemodell kognitiver Funktionen – Informationsprozesse und Informationsstrukturen – Der Algorithmus als grundlegendes Verfahren der automatischen Informationsverarbeitung – Die Grenzen der logischen Perfektionierung der automatischen Informationsverarbeitung – Planung und Organisation von Informationssystemen. Literatur. Personenregister. Sachregister.

2330 Oeser, E.: Struktur und Dynamik erfahrungswissenschaftlicher Systeme. Bd. 3 von „Wissenschaft und Information". (Structure and dynamics of systems of empirical science.) (In German). Wien–München: R. Ol-

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denbourg Verlag 1976. 160 S. ISBN 3-486-49271-3 (R. Oldenbourg München)
6 Kapitel: Wissenschaft als Informationssystem – Die Basis erfahrungswissenschaftlicher Erkenntnis: Systemrelative Elementarinformationen – Begriffsbildung durch Abstraktion: – Die erste Strufe der Informationsverdichtung – Hypothesenbildung durch Induktion: Die zweite Stufe der Informationsverdichtung. – Theorienbildung durch Deduktion: die dritte Stufe der Informationsverdichtung. – Theoriendynamik: Der interne Mechanismus der Wissenschaftsentwicklung. Literatur. Personenregister. Sachregister.

2331 Small, H. G.: Structural dynamics of scientific literature. In: Intern. Classificat. 3 (1976) No.2, p.67–74, 14 refs.
A methodology is described for the structural analysis of scientific literature using the frequency with which items have been cited together (cocitation) as the measure of association between highly cited documents. A clustering procedure applied to these data results in the formation of groups of documents identifiable as research specialties. The principal concern of the paper is to analyze patterns of change in these structures from year to year, using data from the 1973 and 1974 *Science Citation Index*. The rate of change of clusters and the document turnover in clusters suggest that scientific research fronts are changing very rapidly. Change in the relationships among specialties is also observed by comparing configurations of clusters obtained by multidimensional scaling. By rotation of successive M-D-S-CAL plots to a least squares congruence for corresponding clusters, it is possible to show how the clusters have "moved" relative to one another from one year to the next. (Author)

2333 Vásárhelyi, P.: A quantitative analysis of the laws of scientific development. (In Hungarian). In: Tudomanyszervez. tájék. 15 (1975) No.5, p. 632–638, 721, 727–728

2334 Nowakowska, M.: An empirical approach to the evolution of structure of a scientific discipline. (In Polish). In: Zagadnienia Naukoznawstwa 10 (1974) No. 4, p. 501–518

2335 Kikel', P. V.: The integrative function of the mathematisation of scientific knowledge. (In Russian). In: Materialy nauč.-teor. konf. molodych učenych. Minsk. Gos. Ped. Institut. Minsk 1975. p. 181–189, 6 refs.

17 Classification Problems

2336 Beck, H.: Klassifikation und Informationswiedergewinnung. Zu aktuellen Problemen aus bibliothekarischer Sicht IV. (Classification and information retrieval. Concerning present problems from a librarian's point of view. Pt. IV). In: Zbl. Bibl. wes. 90 (1976) No.5, p.201–214, refs.

2337 Murinson, E. A., Kochetova, S. M., Biryulina, E. A., Šenderov, V. Z.: Analysis of information scattering in US patent file and problems of broad subject searching. (In Russian). In: Naučno-techn. inform. Ser.1 (1976) No.4, p. 18–22, 9 refs.
Discussion of the problems of broad-subject patent searches using the US Patent Classification as against the Referativnyj Žurnal. Some 30 % of relevant information was shown to be lost as a result of scattering of items over neighboring subject sections of the Classification.

2338 Palais, E. S.: The significance of subject dispersion for the indexing of political science journals. In: J. Acad. Librarianship 2 (1976) No.2, p. 72–76, 17 refs.

2339 Riggs, F. W.: Information needs of social scientists: a review article. In: Libr. Quarterly 46 1976) No.3, p. 299–303
Review of D. J. Foskett: Classification and indexing in the social sciences. 2nd ed. London 1974. Recommends that a third edition may consider more the real needs of social scientists.

2340 Watanabe, M.: Arrangement and storage of information. (In Japanese). In: Zyoho kanri, Inform. & Doc. 18 (1975) No.7, p. 606–612, 3 refs.

19 History of classification

See also 2205, 2413

2341 Babiczki, B.: The 80th anniversary of the FID and the history of the UDC in Hungary. (In Hungarian). In: Tud.es müsz.tajek. 22 (1975) No.9, p. 649–657
Prior to the First World War it was Ervin Szabo who promoted the UDC in Hungary mainly. By the late 1930s the system was used by about 25 large libraries. In the last thirty years it has been used on an increasingly wide scale.

2342 Grolier, E. de: Classification one hundred years after Dewey. In: Unesco Bull. Libr. 30 (1976) No.6, p. 320–329
Appreciation of the fact that the DDC and the UDC, despite their obvious shortcomings enjoy the most widespread use in the world. Discussion of the present situation concerning encyclopaedic as well as specialized classification systems characterized by the fact that cultures, nations, systems seem to stick to their own achievements forgetting about the necessary world-wide cooperation in information handling. In addition to this there is only very little research and development work done in the science of classification–taxology. The journal International Classification is mentioned as an indication for the fact that taxology is on the way to become an established discipline.

2343 Mölgaard-Hansen, R.: SfB Jubilee Odyssey. In: Libr. Sci. Slant Doc. 13 (1976) No.2, p. 43–47
Short historic account of the activities of the joint FID/CIB International Building Classification Committee (IBCC) concerning the use of the UDC and SfB systems as authorized tools for developing worldwide uniformity in the classification and indexing of building information. Significant features of the development work are shown to be consistent with the trends in documentary classification in general in recent years. (Author)

2344 Palmer, B. I.: The socio-historical background to library classification. In: Reynolds, M. M., Daniel, E. H. (Eds.): Reader in Library and Information Services, Englewood, Colo.: Microcard Editions Books 1974. p. 455–464 (Orig. publ. in Palmer, I.: Itself an education. London 1962.)

2345 Rayward, W. B.: The universe of information. The work of Paul Otlet for documentation and international organisation. Moscow: VINITI 1975. 390 p. = FID Publ. 520
Elaborate and most interesting study relying "almost exclusively on masses of original documentation kept in an institution in Brussels called Mundaneum", and presenting among others the history of the UDC from its very start until to the death of Otlet in 1944.

2 Structure & Construction of CS

21 General Questions of Structure

2346 Laureilhe, M.-T.: Le thesaurus, son rôle, sa structure, son élaboration. Lyon: Presses de l'E.N.S.B. 1977. 48 p.
Account of a range of matters concerned with the structure and construction of thesauri, their qualities, necessary time for establishment a.o. Examples of thesaurus displays, bibliography, index.

2347 Slype, G. van: Definition of thesauri. Essential characteristics. Final Report (2 vols.). Bruxelles: Bureau Marcel van Dijk 1976. 52 + 60 p.
The report was prepared for the Commission of the European Communities. The objective of the study: to define the characteristics of thesauri which determine the performance of documentation systems, to propose optimal values or ranges of values for these characteristics whenever it is necessary to do so, and to evaluate, as a function of these characteristics, a sample of ten multilingual and ten monolingual thesauri. Concludingly some 30 recommendations for the improvement of the guiding principles for the establishment and development of thesauri are given.

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22 Elements and Special Structures of CS

See also 2208, 2387

2348 Enyingi, P., Blume, E. J., Ellenberger, J.S., Cohen, M. L.: What lies ahead for legal subject headings. In: Law Libr. J. 68 (1975) No.4, p. 435–452, 5 refs.
Result of a panel discussion held at the American Association of Law Libraries' 68th Annual Meeting, Los Angeles, June 1975.

2349 Gor'kova, V. I., Chodža-Bagirova, A. E.: A study of the information characteristics of a hierarchical classification. (In Russian). Moskva: VINITI 1975. 22 p., 16 refs. (Ms. No. 221–76, dep. 26 Jan. 1976)
Shows the possibility of using natural language information characteristics for analysing a hierarchical classification for division levels. Defines the concepts of classification redundance and entropy which are based on classification structure statistics. Suggests an objective assessment of a classification as an IR language which relies on theoretical inferences and experimental calculations. The analysis of the information characteristics of a classification scheme is illustrated by the example of the UDC. (Author)

2350 Gundermann, B.: Prinzipklassifikatoren als Hilfsmittel für eine rationelle Lösungsfindung im konstruktiven Entwicklungsprozeß. (Classificators used as tools for a rational solution in the construction development process.) (In German). In: Wiss. Z. Techn. Hochsch. Ilmenau 22 (1976) No.4, p. 79–95, 4 refs.
A faceted classification with descriptors is proposed for the ordering of information and documents in a construction company.

2351 Kolotova, A.S.: A method for identification of terms on the basis of a semantic analysis of abstracts. (In Russian). In: Leksika. Terminologija. Stili. Vyp.3 Gor'kij 1974. p. 154–170, 15 refs.
Based on the evaluation of 500 abstracts in economics three word groups are distinguished: objects, aspects and object-linking relations. Concerning the 'aspects' nine word groups were distinguished. The dictionary of names of relation types includes names of relations and ways in which they are realized. It is assumed that after eliminating aspect and redundant words as well as logico-grammatical relation words, an abstract will consist only of terms belonging to the field of knowledge concerned.

2352 Kristal'nyj, B. V., Raskina, A. A., Sidorov, I. S.: Description of the paradigmatics of an object-attribute retrieval language: methods and procedures. (In Russian). In: Vopr. inform. teorii i praktiki. Moskva 28 (1976) No.1, p. 100–119, 3 refs.

2353 Leski, K.: Some problems concerning the development of thesauri. (In Polish). In: Aktual. Probl. Inform. Dokument. 21 (1976) No.1, p. 31–33

2354 Seetharama, S.: Term-concept relationship in an information retrieval thesaurus. In: Libr. Sci. Slant Doc. 13 (1976) No.2, p. 67–73, 7 refs.
Concept representation in thesauri, especially the representation of compound concepts, has been studied. The criteria and relative advantages in representing a compound concept either as a precombined descriptor or as a combination of elemental descriptors, are discussed with illustrative examples taken from Medical Subject Headings (MeSH) of the National Library of Medicine. (Author)

2355 Sokolov, A. V.: The design principle of facet-block thesauri. (In Russian). In: Inform. jasyki. Moskva 1975. p. 222–243, 290, 4 refs.
Different thesauri are made compatible by a standard facet-block structure built into their semantic organisation. A general-purpose list of facets and descriptor blocks is given. (Author)

2356 Stančev, N.T.: An approach to the development of a descriptor language with elements of grammar. (In Russian). In: Naučno-techn. inform., Ser. 2 (1976) No.7, p. 20–23
Proposal for an original approach to the development of a descriptor language vocabulary. The grammar of this language is built as a matrix of the following form: Action-Object, Means-Action-Object, and Circumstance-Action-Object.
(Orig. abstr., abbr.)

2357 Tkač, S.S.: On 'subordination' of term categories and 'priority' of terms within a category in an information retrieval system for solid state physics. (In Russian). In: Naučno-techn. inform., Ser.2 (1976) No.1, p.30–33, 8 refs.
A method is described of defining relations between term categories and individual terms of an information language, which make it possible to formally analyse a connected natural language text during automatic translation into the information language without any syntactic analysis. (Orig. abstr.)

23 Construction of CS

See also 2591

2358 Abesadze, E.V., Cypkina, T.S.: Facet analysis applied to building an information language. (In Russian). In: Naučno-techn. inform., Ser.2 (1976) No.9, p. 16–17, 2 refs.
The application of the principle of facet analysis makes it possible during the semantic processing of a document to correlate it with the specific design objectives and tasks of a planning organisation. (Orig. abstr., abbr.)

2359 Gopinath, M.A., Prasad, K.N.: Compatibility of the principles for design of thesaurus and classification scheme. In: Libr. Sci. Slant Doc. 13 (1976) No.2, p. 56–66, 11 refs.

2360 Lejčik, V.M.: A tentative multilevel classification of terms in present-day natural and artificial languages. (In Russian). In: Naučno-techn. inform., Ser.2 (1976) No.6, p. 3–7, 27 refs.
The classification of terms by the service sphere proceeds from correlating a terminology to the sphere of human activity or the branch of knowledge served by the subset of language in question. The classification by function is based on an analysis of the usage of terms in natural and artificial languages.
(Orig. abstr., abbr.)

2361 Lohmann, H.-D.: Devising and using multilingual systems of classification. (In Hungarian). In: Tudoman. es Musz. Tajek. 23 (1976) No.4, p. 165–169, 5 refs.
Elaboration techniques of multilingual thesauri require the determination of classes of concept equivalencies. These methods are described as well as problems of total, partial and zero equivalencies.

2362 Richmond, P.A.: Classification from PRECIS: some possibilities. In: J. Amer. Soc. Inform. Sci. 27 (1976) No.4, p. 240–247
The PREserved Context Index System (PRECIS) developed for subject indexing for the British National Bibliography is discussed as a basis for various studies relating to classification which could be made from its initial phrases, strings, entries and back-up structure. Specific possibilities include use of methodologies such as Goffman's 'indirect method', Fox's 'characterization' of rules, derivation of empirical hyperbolic distributions, and lognormal distributions. The relationship of existing methods of subject analysis to each other through PRECIS is explored. Brief samples are included. (Author)

2363 Rosa, M. V.: The South Rio Grande bibliography of biomedical science: development of a normalized language. (In Portuguese). In: Rev. da Escola de Biblioteconomia da Universidade Federal de Minas Gerais 5 (1976) No.1, p. 27–41, 7 refs.
Description of the standard type thesaurus chosen for indexing. Its basic classification structure as well as the chosen citation order are pointed out. The steps followed in the construction of the indexing system are explained.

2364 Ungvary, R.: Structural basis of thesaurus systems to be formed from thesaurus modules. Special field and analytical-synthetical system of the classification of concepts. (In Hungarian). In: Informatika (1974) No.3, p. 3–12
Division of subject fields of thesaurus systems and the principle of the thesaurus modules. Adoption of the principle of faceted analysis.

2365 Villar, M.O.: Construccion de tesauros. (In Span-

https://doi.org/10.5771/0943-7444-1977-1-51 https://www.inlibra.com/de/page/agb - Open Access - (cc) BY

ish). Santiago: Comisión National de Investigación Cientifica y Tecnologica (CONICYT) 1975. 34 p., 7 refs.

24 Relationships

See also 2354, 2382, 2388, 2519

2366 Broxis, P.F.: Syntactic and semantic relationships. Or: a review of PRECIS: a manual concept analysis and subject indexing, D. Austin. In: Indexer 10 (1976) No.2, p. 54–59, 3 refs.

2367 Ikach, S.S.: On the relations of 'subordination' and 'priority' in an information retrieval language for solid state physics. (In Russian). In: Naučno-techn. inform. 2 (1976) No.1, p. 30–33

2368 Ivanov, V.C.: Synonymic transformations in an information language with a developed grammar. (In Russian). In: IV Vses. Konf. "Probl. razvitija edinoj sistemy nauč.-techn. inform. v strane". Moskva, 24–27 cent. 1974, Moskva: VINITI 1974. 11 p. (Ms. No.3614–75, dep. 16 Dec. 1975)
The initial data base is a set of Russian nominal sentences which describe the primary subject-matter of the document. The synonymic transformation rules formulated so far have been verified manually on a body of 620 search summaries on informatics and a body of 400 abstract titles from the 'Informatics' abstract journal of VINITI. (Author, abbr.)

2369 Spang-Hanssen, H.: Roles and links compared with grammatical relations in natural languages. Lyngby, Denmark: Dansk Teknisk Litteraturselskab-Dtl. 1976. 33 p.= Skriftserie Nr. 40, ISBN 87-7426-013-8
Updated reprint of a paper read to a seminar on the linguistic and logical basis of classification in Nov. 1966 which had not as yet been published.

2370 Stokolova, N.A.: Syntactic tools and semantic power of information languages. Pt. II of 'Elements of a semantic theory of information retrieval'. In: Intern. Classificat. 3 (1976) No.2, p. 75–81, 37 refs.
Different kinds of syntactic tools of information languages (IL) in use, considered as meaning-distinguishing tools, are described as simplified forms of some initial IL grammar tools called 'standard phrases' which are n-place' relational predicates of a special kind. A quantitative evaluation is attempted of the effects which the idiosyncracies of the syntactic tools of IL's have on their semantic power. (Author)

26 Notation, Codes

See also 2280, 2302–2307, 2455, 2504, 2590

2371 Mittal, R.L.: Call number and collection number: their implications on book arrangement. In: Indian Library Movement 3 (1976) No.1, p. 1–6
Brief examination of six systems of book numbering.

27 Compilation, Updating, Storage & Maintenance of CS

2372 Andreev, V.D., Englin, Ju.N.: The flow diagram of thesaurus development and use during the design and operation of an experimental Automatic Data Bank of the RSFSR State Planning Committee' MIS. (In Russian) In: Effektivn. obščestv. proiz-va i planir., Vyp.22. Moskva 1975. p. 121–131, 4 refs.
Description of an IR language designed for formalized and unique description of economic indices constituting the factographic stock of the Automatic Data Bank mentioned.

2373 Antopol'skij, A.B., Vajsberg, A.M., Žaruvinskaja, L.A.: The design principle of automated housekeeping programs for State STI System's information languages. (In Russian). In: Naučno-techn. inform., Ser.2 (1976) No.6, p. 8–12, 15 refs.
Description of an automated reference information system, developed at the Information Coding Institute (VNIIKI) of the USSR State Standardization Committee, for the handling of current data on modifications of information languages within the system's framework. It produces data on the information languages in current use and on their latest modifications, keeps record of these and conducts pertinent examinations, provides methodical guidance and secures compatibility of the State's STI systems languages. (Orig. abstr., abbr.)

28 Compatibility & Concordances of CS

See also 2279

2374 Korel'skaja, T.D.: Translation algorithm of a natural language versus a predicate calculus language. (In Russian). In: Naučno-techn. inform. 2 (1975) No.6, p. 24–34, 9 refs.
The algorithm is founded on syntactical transformations in the field of geometry.

2375 Norwood, J.W.: Machine-aided retrieval. Alexandria, Va.: Defense Documentation Center 1975. 45 p. = AD/A-006 500
Comparison analysis of Machine-Aided Retrieval (MAR) and Machine-Aided Indexing (MAI) terminology for system compatibility with the Natural Language Data Base (NLDB).

2376 Potanova, R.D.: A study of the compatibility between the central subject indexing and the local library subject indexing. (In Russian). In: Sov. bibliografija (1975) No.5, p. 22–30

29 Evaluation of CS

2377 Carvalho, M.M. de, Botelho, T.M., Paranhos, W.M. M. da R.: Indexing languages: analysis and evaluation. (In Portuguese). In: Rev. da Escola de Biblioteconomia da Universidade Federal de Minas Gerais 5 (1976) No.1, p. 42–59
The languages compared were: a) uniterms, b) EJC Thesaurus 1964, c) ERIC Thesaurus, 1970, d) Library Literature Subject Headings List 1963 and e) Schultz, C.: Thesaurus of Information Science 1968.

3 Classing and Indexing (Methodology

31 Theory of Classing and Indexing

See also 2390

2378 Artandi, S.: Machine indexing: linguistic and semiotic implications. In: J. Amer. Soc. Inform. Sci. 27 (1976) No.4, p. 235–239, 14 refs.
Discussion of the psycholinguistic aspects underlying the indexing process and recommendation to consider the fact that indexing involves connotative meaning and pragmatic information processes.

2379 D'Alleyrand, M.R.: Emphasis indexing. In: Indexer 10 (1976) No.2, p. 70–72, 4 refs.
Presentation of an indexing method by which the descriptors are arranged according to importance of their respective concepts and placed within a matrix which then may also serve for the search through matrices comparison.

2380 Vilenskaja, S.K.: The interrelation between the subject and classified approaches in a unified computer-based retrieval system: new trends in IR system theory and practice abroad. (In Russian). In: Bibliotekoved. i bibliogr. za rubežom 54 (1975) p. 3–22, 28 refs.

32 Subject Analysis

See also 2206, 2358

2381 Kiršner, Z., Buraneva, E.: A method of automatic indexing. (In Russian). In: Nauč.-techn. inform., Ser. 2 (1976) No.9, p. 34–36
With special reference to Czech, an indexing procedure is described, which is based on the analysis of noun complexes. The analysis algorithm is described. The advantages of the approach are pointed out as existing in the reliable choice of word combinations and a greater flexibility as compared with thesaurus-based systems. (Orig. abstr.)

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2382 Kochmanskij, A.V., Segal', V.A., Ginzburg, M.P.: **Semantic analysis of documents and the grammatical tools of a documentary IRS.** (In Russian). In: Nauč.-techn. inform., Ser. 2 (1976) No.7, p. 12–15, 12 refs.
The indexing principles of a specialized documentary IR System (Neft-2) are discussed. Each document search pattern, as well as a search specification, must indicate the goal of the R&D project concerned, its object or subject-matter, and the methods or means used to achieve the goal. Concepts of the upper two levels of abstraction, extracted from the text, are entered into the search pattern to specify these elements. A descriptor language with a minimal precoordination of terms and with roles, links and term weights is used for indexing. (Orig. abstr.)

2383 Kristal'nyj, B.V., Goršenina, S.V., Raskina, A.A., Sidorov, I.S., Ustinova, Z.S.: **On the logical processing of information in developing the IR language for a data retrieval system.** (In Russian). In: IV Vses. Konf. "Probl. razvitija edinoj sistemy nauč.-techn. inform. v strane", Moskva, 24–27 sent. 1974, Moskva: VINITI 1974. 15 p. (Ms. No. 3617–75, dep. 16 Dec. 1975).
Information analysis preceding the development of a data retrieval system is essential for devising indexing methodology. It includes (1) the development of rules for the identification of text fragments corresponding to each object which is part of the IR system, and (2) establishing a typology of text fragments etc. Thesaurus development includes the identification of a system of objects for a given IR system and the analysis of concepts which describe these objects in terms of their object discrimination capacity (traditional IR languages for data retrieval systems are based on the dichotomy 'object–attribute'). An attribute in a given set of objects is any function which is inconstant with respect to this set. Elements of the function value range are referred to as attribute values. Four classes of lexical units are identified in such IR languages: (1) names of objects; (2) names of attributes; (3) values of attributes; and (4) names of attribute groups. Setting of these classes determines the main relations between IR language lexical units; special tools are required for their specification. (Author)

2384 Salton, G., Wong, A.: **On the role of words and phrases in automatic text analysis.** In: Computers and Human. 10 (1976) No.2, p. 69–87, 14 refs.

33 Classing and Indexing Techniques

See also 2204, 2282

2385 Sokolov, A.V.: **Content analysis: a method for handling prognostic information.** (In Russian). In: Prognosir. razvitija bibl. dela vSSSR, Moskva. Vyp. 5 (1975) p. 66–73, 4 refs.

2386 Hodges, K.: **Chronological order.** In: Libr. Rev.25 (1975) No.2, p. 57–62, 24 refs.

2387 Ivankin, V.I.: **Algorithmic evaluation of keyword selection techniques in coordinate indexing.** (In Russian). In: Naučno-techn. inform., Ser. 2 (1976) No.5, p.13–17, 11 refs.

2388 Yates-Mercer, P.A.: **Relational indexing applied to the selective dissemination of information.** In: J. Doc. 32 (1976) No.3, p. 182–197, 13 refs.
Farradane's relational indexing method was applied in an SDI system in the field covered by Metals Abstracts.

34 Automatic Classing and Indexing

See also 2207, 2299, 2489

2389 Ciganik, M.: **Realisierung einer automatischen Indexierung mit Rückkopplung im Rahmen des IRIS-Systems.** (Realisation of automatic indexing with feedback in the IRIS-System) (In German). In: IX. Kolloquium über Information und Dokumentation vom 12.–14.Nov. 1975. Themenkreis 3. Ilmenau/Thür.: Institut für Inform. wiss., Erfindungswes. u. Recht d. TH, 1976 = Dokumentation/Information H. 32, p. 75–89, 21 refs.
Proposal to use the microstructure of texts, especially the facet relations hidden in prepositional relators (metainformation-facet-relators) for automatic extraction of informative phrases of texts.

2390 Garfield, E., Sparck-Jones, K.: **What is automatic indexing? Letters to the editor.** In: J. Doc. 31 (1975) No.3, p. 216–217
Garfield suggests to use the term "algorithmic indexing" instead of "automatic indexing" in referring to the 1974 article on the topic by Sparck-Jones. She–in reply–emphasises her understanding of "automatic indexing" as a linguistic concept.

2391 Heym, D. R., Siegel, H., Steensland, M. C., Vo, H. V.: **Computer recognition and segmentation of chemically significant words for KWIC.** In: J. Chem. Inform. & Comp. Sci. 16 (1976) No.3, p. 171–176, 6 refs.
Description of an algorithm which recognizes and segments chemically significant words and thus provides additional index entry points for Keyword-In-Context (KWIC) Indexing.

2392 Hodes, L.: **Selection of descriptors according to discrimination and redundancy. Application to chemical structure searching.** In: J. Chem. Inform. & Comp. Sci. 16 (1976) No.2, p. 88–93, 17 refs.
The discrimination can be defined in terms of incidence and mutual incidence of descriptors in a file.

2393 Kravčenko, N.D.: **An indexing algorithm in a library IR system.** (In Russian). In: IV Vses. konf. "Probl. razvitija edinoj sistemy nauč.-techn. inform. v strane", Moskva, 24–27 sent. 1974. Moskva: VINITI 1974. 14 p. 5 refs. (Ms. No.3616–75, dep. 16 Dec. 1975).
Presentation of an indexing algorithm which was applied to full texts in order to select indexing tags for document search patterns. The linguistic analysis procedures modelling the intellectual indexing process are described. The quality of the procedure was assessed.

2394 Movson, L.M.: **One approach to automatic indexing of agricultural texts using application grammar.** (In Russian). In: Inform. jasyki. Moskva 1975. 160–165, 288
The formalisation devices used for syntactic-semantic relations include the principal constant operator-relators in application grammar. An indexing algorithm is described which is built on the concept of semantic invariance of related notions. Natural language text sentences together with relators form a hybrid language which is the algorithmisation method with regard to the problem in question. (Author)

2395 Tkač, S.S.: **A method for automatic indexing of coherent natural language texts by sequential object identification.** (In Russian). In: Inform. analiz i linguist. probl. inform. sistem. Kiev 1975. p. 61–72, 3 refs.
Presentation of an automatic indexing method applied to natural language texts of the VINITI Abstract Journal 'Physics'.

35 Automatic Ordering

Siehe auch 2201

2396 Gagnon, R.: **An automatic cluster analysis algorithm.** Final report. Wright-Patterson Air Force Base, Ohio: Aerospace Medical Res. Lab. 1976. 23 p. = NTIS AD-AO22 898
The algorithm presented finds clusters in a set of data. It also merges clusters which are their own closest neighbors, are sufficiently close to each other and result in a sufficiently small variance. The criteria were empirically derived and are related to data statistics.

2397 Yu, C. T.: **The stability of two common matching functions in classification with respect to a proposed measure.** In: J. Amer. Soc. Inform. Sci. 27 (1976) No.4, p. 248–255, 7 refs.
A measure for the quantification of the changes in classification under small changes in data is proposed. A comparison of two common matching functions, namely the single matching function and the cosine function, is made with respect to the measure. The sensitivities of clusters defined as connected components and as maximal complete subgraphs are also compared. (Author)

36 Coding

2398 Osinga, M., Verrijn Stuart, A.A.: **Documentation**

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of chemical reactions. III. Encoding of the facets. In: J. Chem. Inform. Comp. Sci. 16 (1976) No.3, p.165–171, 5 refs.

37 Reclassification

2399 Wheelbarger, J.J., Clouse, R.W.: **A comparison of a manual library reclassification project with a computer automated library reclassification project.** Washington, D.C.: National Institute of Education 1975. 22 p. = EDRS:ED 104 379; HC $ 1.58, MF $ 0.76

38 Index Generation Programming

2400 Houghton, B., Roberts, S.: **WADEX: the Liverpool Word and Author Index program for ICL series 1900 machine.** In: Cat. & Index (1975) No.39, p. 5–7
The WADEX suite is written in COBOL and can be used to produce printed alphabetical author and keyword indexes, natural language title indexes, controlled keyword indexes, natural language indexes with keyword enrichments and author indexes. Copies of the WADEX suite are available for teaching purposes.

2401 Miller, N.P.: **Computer implementation of the thesaurus vocabulary in the automated data bank** of the Computer-based Planning and Control System at the State Planning Committee of the Russian Federation. (In Russian). In: Effektivn. obščestv. proiz-va i planir. Vyp. 22. Moskva 1975. p. 132–144, 5 refs.

39 Evaluation of Indexing

2402 Boyce, B., Lockard, M.: **Automatic and manual indexing performance in a small file of medical literature.** In: Bull. Med. Libr. Assoc. 63 (1975) No.4, p.378–385, 15 refs.

2403 Hoyle, W. G.: **Error detection in mechanized classification systems.** In: Inform. Process. & Management 12 (1976) No.5, p. 333–7. 7 refs.

2404 Klingbiel, P.H., Rinker, C.C.: **Evaluation of machine-aided indexing.** In: Inform. Process. & Management 12 (1976) No.6, p. 351–366, 5 refs., 5 app.
Report of several comparisons designed to measure the retrieval effectiveness of MAI (machine-aided indexing) and manual indexing procedures under normal operational conditions.
(Orig. abstr., abbr.)

2405 Kokorina, A.P.: **Indexing replicability in descriptor retrieval systems.** In: Autom. Doc. & Math. Linguist. 10 (1976) No.1, p. 82–87, 10 refs.
A method of partly algorithmic, though manual, indexing of documents is described using 'standard phrases'. The results of an experiment are reported. The algorithmic procedure has been shown to ensure a far greater reproducibility of indexation.
(Author, abbr.)

2406 Meulen, W.A.v.d., Janssen, P.J.F.C.: **Automatic versus manual indexing.** In: Inform. Process. & Management 13 (1977) No.1, p. 13–21, 3 refs.
A comparative evaluation has been carried out on the Philips DIRECT and the British INSPEC retrieval system. DIRECT is based on automatic indexing, whereas INSPEC uses manual subject indexing. Two queries were submitted to both systems, using the same data base. The results are expressed in terms of recall and precision. Both recall and precision of INSPEC were found to be higher than those of DIRECT by 20 %. It is concluded that this is mainly a result of the query formulation. The effectiveness obtained with automatic indexing of documents is equivalent to that of the manual procedure. (Authors)

2407 Smetaček, V., Königova, M.: **Experimental subjects and text judgements.** (In Czech). In: Cs. inform. 17 (1975) No.10, p. 252–257

4 On Universal Systems

41 On Universal CS in General

2408 Scibor, E.: **Recent trends in the development of information retrieval languages.** (In Russian). In: Bjul. nauč.-techn. inform. MC AGROINFORM 2 (1975) No.1, p. 11–17, 13 refs.
Merits and drawbacks of descriptor languages are discussed as well as revision and use of UDC and LCC and various specialized systems. A trend toward international standardization of IR languages is noted.

2409 Vorsaa, K.: **Ranganathan, Bliss og DK5.** (Ranganathan, Bliss and the Danish Decimal Classification, 5th ed.) (In Danish). (Dissertation). Copenhagen: Danish Library School 1974. 71 p., 11 ann. = Studies from the Royal School of Librarianship No.7

42 On the Universal Decimal Classification, UDC

See also 2294, 2345

2410 Hamberger, S.: **The processing of special literature with the aid of UDC-based peek-a-boo cards.** (In Hungarian). In: Tudoman. Musz. Tajek. 22 (1975) No.10–11, p. 761–766, 3 refs.
Description of the use of peek-a-boo cards in processing a library collection with UDC.

2411 Oliveira Carvalho, A. de, Pontes deCarvalho, M.B.: **Semantics and the Universal Decimal Classification.** (In Portuguese). In: Ci. da Inform., Bras. 4 (1975) No.2, p. 91–102, 30 refs.
A number of concepts which might serve as a basis for a classification of semantics are presented. A comparison with the relevant UDC divisions revealed the inadequacy of the latter concerning the concepts in question.

2412 Onomura, H.: **How to be friendly with the UDC.** (In Japanese). In: Dokumentesyon kenkyu 26 (1976) No.1, p. 33–37
Discussion of the UDC rules of use, design principles and structure.

2413 Remete, L.: **Participation of Hungarian experts in the activities of the Institut International de Bibliographie.** (In Hungarian). In: Tudoman. Musz. Tajek. 22 (1975) No.9, p. 635–644, 15 refs.
E. Szabo was the first to modify and improve class 3 Social Sciences of the UDC in 1902. He pioneered the introduction of UDC in Hungary. Author, abbr.)

2414 Sanner, L.-E.: **The future of the UDC.** (In Swedish). In: T. Dokument., Sverige 32 (1976) No.4, p.75–79.
Development of the UDC and work of the committee FID/CCC.

2415 Vladimirova, A.V.: **Analysis concerning the state of a UDC dictionary** (with special reference to UDC divisions 626/627 Hydrotechnical Construction). (In Russian). In: Nauč.-techn. inform., Ser. 2 (1976) No.8, p. 15–22, 10 refs.
A formal approach to establishing the criteria and ways of improving the UDC dictionary is proposed; it is based on a statistical analysis and building of rank distributions for the set of UDC numbers describing the documents of an experimental file and for the set of keywords not covered by the respective UDC divisions. (Orig. abstr.)

43 On the Dewey Decimal Classification, DDC

See also 2284, 2285, 2300

2416 Comaromi, J.P.: **Dewey in the USA & Canada. Summary of the use of the Dewey Decimal Classification in the United States and Canada.** In: Cat. & Index (1976) No. 43 p. 3–5, 3 refs.
Short description of the methods used for a statistical evaluation of DDC use in US and Canadian libraries and some results of the investigation, especially regarding user responses to changes and revisions.

2417 Downing, J.C.: **The DDC: the classification upon which the sun never sets.** In: Wilson Libr. Bull. 50 (1976) No.10, p. 797–800
Reviews in short the history and the application of the Dewey Decimal Classification as well as instances of international cooperation on its basis.

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2418 Sweeney, R.: Music in the Dewey Decimal Classification. In: Catalogue & Index (1976) No.42, p. 4–6
Analysis of the problems to be encountered in a classification of music and presentation of new outline and citation order for a revision of the class 780 Music in the DDC.

2419 Trotter, R.: The use of Dewey in BNB. In: Catalogue & Index (1976) No.41, p. 3–6
Short report about problems encountered in the years since the adoption of a standard version of the Dewey Decimal Classification at the British National Bibliography, and discussion of implications from a correlation of the PRECIS strings with DDC numbers.

2420 Trotter, R.: The new Dewey area tables for Great Britain and their application. In: Cat. & Index (1975) No.39, p. 1, 3–4

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

See also 2293

2421 Library of Congress: An introduction to Library of Congress subject headings. Washington, D.C.: Library of Congress. Cataloging Distriction Service 1975. 72 p. $ 4.–
Published both in the introduction to the 8th ed. of the LC Subject Headings and as separate vol.

2422 Kovar, H.M.: Notes on the author notations and tables used in Library of Congress schedule for Icelandic literature. In: Libr. Resources & Techn. Services 20 (1976) No.1, p. 70–72, 3 refs.

2423 Strohmeyer, E.: The cataloguer in Africa: international techniques are awaiting reforms. In: Ugandan Libraries (1975) March, p. 65–74
Critical description of the Library of Congress Subject Headings concerning African history, geography, ethnic groups and religion.

45 On the Bliss Classification, BC

See also 2291

2424 Mills, J.: A comment on the article by R.A. Ukoh 'Library Classification and Change: the example of Bliss'. In: Libri 26 (1976) No.2, p. 156–157

2425 Mills, J.: The new Bliss Classification. In: Catalogue & Index (1976) No.40, p. 1, 3–6
Summary of the decisions taken for the revision of the Bliss Classification and their consequences concerning internal organisation of classes, facet analysis, citation order, filing order, notation, and the A/Z index. Also, maintenance of the new BC and its possible future envisaged for about a century. It will be published in 20 separate volumes in the forthcoming 3–4 years.

46 On the Colon Classification, CC

See also 2292, 2301

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

See also 2275, 2281

2426 Fadičeva, E.N.: Application of the LBC in a computerized information retrieval system. (In Russian). In: Sovet. Bibliotekoved., SSSR (1976) No.3, p. 61–73

2427 Žarikova, L.A.: Some problems in the improvement of the LBC class "Computer Programming". (In Russian). In: Organiz. katalogov i vnedrenie BBK v GPNTB Sib. otd. AN SSSR. Novosibirsk 1975. p. 94–115, 16 refs.

2428 Grebenjuk, I.N., Markova, E.P.: Some problems in the improvement of the LBC table issue VI,E Biological Sciences, Class E 591.4 Mycology. (In Russian). In: Organiz. katalogov i vnedrenie BBK v GPNTB Sib. otd. AN SSSR. Novosibirsk 1975. p. 116–119

2429 Žarikova, L.A.: A note on the optimal representation of the MIS concept in the LBC using the facet principle. (In Russian). In: Organiz.katalogov i vnedrenie BBK v GPNTB Sib. otd. AN SSSR. Novosibirsk 1975. p. 131–139, 3 refs.

2430 Introduction problems of the Library-Bibliographical Classification. Vol. IV (In Russian). Moskva 1975. (For Vol. I and II see entries 829 and 1531 in Intern. Classificat. 2 (1975) No.1 and 3 (1976) No.1 resp.)
2431 Murav'eva, N.V., Stepanova, N.A.: The organic chemistry class in general library and bibliographical classifications. (p.6–17). 2432 Perevoščikova, L.M., Fetisov, V.N.: Classifying materials in Subclass 'V383 Atomic nucleus'. (p.18–25). 2433 Gubar', S.D.: An analysis of the scientific scope of Class Ju7 Ethics. (p.26–36). 2434 Koval', L.M.: Some methodological problems in the use of LBC schedules to classify literature on the socio-revolutionary links between the USSR and Italy. (p.37–43). 2435 Kyročkina, M.A.: Common division 'b' and its application to guiding and legislative materials – a case study of the Lenin Library Information/Bibliographic Division. (p.44–53). 2436 Vulych, I.P.: Developing a subject version of the LBC for specialised libraries and information centers: a case study in the literature of music. (p.54–60). 2437 Denisenko, E.S.: Library-Bibliographical Classification (LBC) in Slovakia. (p.61–67).

48 On Other Universal CS (alph.)

See also 2278

2438 Abe, K.: Construction of JICST Thesaurus 1975. I. Selection of scientific and technical terms and their relationships. (In Japanese). In: Zyoho kanri. Inform. & Doc. 18 (1975) No.6, p. 463–472

2439 Araki, K., Onodera, N.: Construction of JICST Thesaurus 1975. II. Selection of chemical terms and their relationships. 1. (In Japanese). In: Zyoho kanri, Inform. & Doc. 18 (1975) No.7, p. 571–577, 5 refs.

2440 Hanada, T., Shimizu, S., Mitsuhashi,H., Sugamijy, K.: Construction of JICST Thesaurus 1975. II. Selection of chemical terms and their interrelationships. 2. (In Japanese). In: Zyoho kanri. Inform. & Doc. 18 (1975) No. 8, p. 645–646

2441 Ono, Sh., Sahara, T.: Construction of JICST Thesaurus 1975. III. Construction of JICST Thesaurus by computer. (In Japanese). In: Zyoho kanri, Inform. & Doc. 18 (1975) No.9, p. 729–739
Thesaurus structure and keyword arrangement were determined using a functional vocabulary control device called DOCTOR (Display Oriented Communication Tool for On-Line Retrieval). The main functions of the system are listed and each one discussed separately.

2442 Completion of work on the JICST Thesaurus. (In Japanese). In: Dokumentesyon kenkyu 25 (1975) No.11, p. 500
Work has been completed by the Japan Information Centre of Science and Technology. The thesaurus contains 29 173 descriptors and 4 825 keywords.

2443 Adler, E., Fleisher, K.: Development of a Hebrew thesaurus for the indexing of periodicals. (In Hebrew). In: Israel Soc. Spec. Librar. Inform. Centres Bull. 6 (1976) No.3, p. 65–69

2444 Cukerman, E. M., Černova, T. S., Žuravel', E. S., Kureeva, N. S., Razumova, V. G.: Subject Headings List for main Soviet information publications and its use. (In Russian). In: Naučno-techn. inform. Ser. 1 (1975) No.3, p. 24–32, 4 refs.
Discussion of a Subject Headings List ('Rubrikator'), which covers 2200 publications issued by All-Union and sectoral information organs.

2445 Mowery, R. L.: Cutter classification: still at work

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In: Libr. Resources & Techn. Services 20 (1976) No.1, p. 154–156

2446 Plante, S., Cruson, C., Wolff-Terroine, M.: **Le macrothésaurus des sciences et techniques.** In: Documentaliste 14 (1977) No.1, p. 20–26
Description of the history, the fundamental principles, the structure and the presentation of what has been termed 'macrothesaurus' (of science and technology). It will contain an alphabetical part and a hierarchical part organized according to subject fields (thèmes).

2447 Sidorova, A. K., Mec, N.P., Morozov, V.A., Sover, N. B.: **Some aspects of developing an information retrieval language for a republican interdisciplinary computer-based STI system.** (In Russian). In: IV Svses. konf. "Probl. razvitija edinoj sistemy nauč.-techn. inform. v strane". Moskva, 24–27 cent. 1974. Moskva: VINITI 1974. 6 p., 2 refs.
The core of the IR language is a classificatory-descriptor language with its upper level represented by the All-Union Classification of Applied Sciences and Technology and the lower levels represented by sectoral microthesauri for sets of multidisciplinary problems ... (Authors, abbr.)

5 On Special Objects CS (Taxonomies)

52 On Taxonomies & Nomenclatures for Chemicals

2448 Schultz, J. L.: **Polymer nomenclature, classification and retrieval in the Du Pont Central Report Index.** In: J. Chem. Inform. Comp. Sci. 15 (1975) No.2, p. 94–100. 4 refs.
A comprehensive nomenclature system for polymers has been devised wherein some items are named from their starting monomers, some from prescribed monomers and others from their structural repeating units (SRUs). Each polymer, classified according to features obvious from its name, is posted in the Descriptor File under registry-number descriptors corresponding to the registry numbers of its monomers, and a small number of class descriptors are used for overall features. (Author, abbr.)

53 On Taxonomies for Area 3

2449 Kettig, R. L., Landgrebe, D. A.: **Classification of multispectral image data by extraction and classification of homogeneous objects.** Lafayette, Indiana: Purdue University, Lab. f. Applications of Remote Sensing 1975. 19 p. = NTIS: N76-15527

2450 Swain, P.H., Wu, C.L., Landgrebe, D. A.: **Layered classification techniques for remote sensing applications.** Lafayette, Ind.: Purdue University 1975. 12 p. NTIS: N76-10555
Outline of the layered classification method and discussion of several applications to pattern classification for which the approach is suited. (Laboratory for Applications of Remote Sensing)

57 On Commodity CS

2451 Kamencev, A. A., Gumenjuk, V. E., Poletaev, A. N.: **The role and significance of the All-Union Classifier of Enterprises and Offices in the organisation of a common scientific and technical information system.** (In Russian). In: IV Vses.konf. "Probl. razvitija edinoj sistemy nauč.techn. inform. v. strane", Moskva, 24–27 cent. 1974. Moskva: VINITI 1974. 9 p. (Ms. No. 3647-75, dep. 16. Dec. 1975)
Description of the purpose and structure of the Classifier and its role and significance in the national STI system.

2452 Strebkova, O. G.: **On the information analysis of a management decisions classifier.** (In Russian). In: Nauč-techn. inform. Ser. 1 (1976) No. 7, p. 16–19, 5 refs.
Information analysis of management actions is necessary for a formalization of management decision making. By using the subject headings of the All-Union Classifier of Management Documentation (ACMD), one can cut down the cost of management documents analysis. The author proposes a formal notation and a schematic division of ACMD concepts of various hierarchical lavels. Any managerial decision can be written as a list of factors forming its vector. Two types of relation between the elements of the management decision vector are to be distinguished: (1) classifying, and (2) associative; the latter should form the basis for an information of the classifier of management actions. (Orig. abstr.)

59 On CS for Objects in Area 9

2453 Schack, I.: **ISRN-proposal International Standard Record Number. A modified article coding system for sales products of the music industry.** In: Intern. Symp. Cat. Coding Stat. Audio-v. Mater. Proc., Strasbourg 1976. Paris: Unesco 1976. p. 123–135

2454 Cnattingius, C.: **International Standard Recording Code (ISRC).** In: Intern. Symp. Cat. Coding Stat. Audio-v. Mater., Proc., Strasbourg 1976. Paris: Unesco 1976. p. 136–138
Presentation of the structure of a code for music.

2455 Chesnais, P.: **Reflexions sur les possibilités de codification dans le domaine des documents sonores et/ou visuels.** In: Intern. Symp. Cat. Coding Stat. Audio-v. Mater. Proc., Strasbourg 1976. Paris: Unesco 1976. p. 139–149

6 On Special Subject CS

61 On CS for Mathematics and Area 1 Fields

2456 Leska, M.: **Terminology and information languages in the field of standardisation.** (In Polish). In: Normalizacja 43 (1975) No.11–12, p. 81–84
Description of the activities of the Polish Committee on Measures and Standards which it conducts in the field of terminology of standardisation. (Author, abbr.)

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

2457 Landau, H. B., Byer, W. L.: **Production of a hierarchical chemical thesaurus.** In: J. Chem. Inform. & Comp. Sci. 16 (1976) No.3, p. 141–146, 8 refs.
Through the utilisation of computer-aided thesaurus building techniques, a standard vocabulary of chemical nomenclature was established to facilitate indexing and retrieval for a data base which defines worker exposures to organic and inorganic chemical compounds. Developed for the National Institute for Occupational Safety and Health, this vocabulary control tool contains 12000 terms with approx. 8000 preferred descriptors and approx. 4000 chemical synonyms. (Author, abbr.)

2458 Mal'ceva, G. F.: **English-Russian thesaurus type descriptor dictionary for accelerator technology and thermonuclear plants. Pt. I.** (In Russian). Gos. Kom.po ispol'z. atom.energ. SSSR. NII Elektrofiz. Apparatury im. D. V. Efremova. Preprint B-o249. Leningrad 1975. 63 p.
The dictionary contains 2004 keywords, grouped in subject categories. Associative inter-descriptor relations are expressed by paradigmatic clusters. (Author, abbr.)

2459 Malley, I.: **The INSPEC scheme as a library classification.** In: Aslib Proc. 28 (1976) No.8, p. 279–282, 4 refs.
Experiences in the application of the INSPEC classification scheme in a special library.

63 On CS for the Astro- and Geosciences

2460 Ehmke, G.: **Zur Klassifikation der Geowissenschaften.** In: Z. geol. Wiss. 2 (1974) No.11, p. 1309–1331

64 On CS in the Bio-Area

2461 Shibles, R.: **Terminology pertaining to photosynthesis.** In: Crop. Sci., USA 16 (1976) No.3, p. 437–439, 7 refs.

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Definitions of terms recommended by the terminology committee of the Crop Science Society of America (CSSA).

2562 Blumenbach, D.: **Thesaurus Phytomedicine. Structure and experiences from its application in indexing.** (In German). In: Mitt. Ges. Bibl.wes. u. Dok. d. Landbaues (1977) No.25, p. 33–54
The thesaurus has been used for the indexing of approx.150 000 bibliographic items and about 3000 requests. It is continuously updated. Description of its structure, number of descriptors, statistical data concerning corrections and retrieval times.

2463 Müller, E.: **The roof vocabulary of the agricultural sciences. Aims, structure, state of development.** (In German). In: Mitt. Ges. Bibl.wes. u. Dok. d. Landbaues (1977) No. 25, p. 19–31
Description of the methodology used for the compilation of the roof vocabulary which is to serve the indexing of subject-fields within the AGRIS-scope.

2464 Gerd, A. S.: **A word to add on the biology thesaurus structure.** (In Russian). In: Nauč.-techn. inform., Ser. 2 (1976) No.10, p. 32–33, 15 refs.
Proceeding from an analysis of Russian ichthyology texts, it is suggested that the development of a thesaurus of Latin names of families, genera and species should be discussed separately from the creation of a thesaurus of the popular names of taxons as well as of a union thesaurus of biology. The specific features of the sources of these thesauri and their common structural patterns are described. (Orig. abstr., abbr.)

2465 Mildner, H.: **Der internationale Thesaurus für die Land- und Forstwirtschaft.** (In German). In: Informatik, Berlin-O 23 (1976) No.4, p. 31–33, 13 refs.
Description of the methods used in constructing the Russian-German thesaurus for agriculture and forestry comprising about 5000 terms.

2466 Gimilio, R.: **Information system of the documentation centre for the River Senegal basin development programme: F-SENDOC.II.** The management procedures of the retrieval vocabulary. (In French). In: Documentaliste 12 (1975) No.4, p. 157–172
Description of the information centre located in St. Louis, Senegal and its tape-stored thesaurus of 5000 terms (IBM 370-145 computer).

65 On CS in the Human Area

2467 Chvostov, N. N.: **Development of the medicine thesaurus: methodological problems.** (In Russian). In: IV Vses. konf. "Probl. razvitija edinoj sistemy nauč.-techn. inform. v. strange". Moskva, 24–27 cent. 1974. Moskva: VINITI 1974. 14 p. (Ms. No. 3621-75, dep. 16 Dec. 1975)
The All-Union Research Institut of Medical and Medical-Technological Information has developed an Information Retrieval Thesaurus for Medicine (1973) which is the basis of the IR language for the sectoral IR system. The thesaurus comprises 9500 descriptors and 2300 non-descriptors. It has the following structure: the subject authority list (a part of the All-Union Information Classification), the alphabetic sequence, the classified sequence, which is represented by 12 descriptor fields built by facets (organisms, anatomic terms, diseases, etc.) (Author)

2468 Cuzmer, T. S.: **Actual system of terms and their definition used in respiration physiology.** (In Russian) In: Fiziol. Ž. SSSR 62 (1976) No.7, p. 1080–1093, 19 refs.

2469 Höpker, W.-W.: **Struktur und Kompatibilität des Thesaurus der Medizin.** (Structure and compatibility of the Thesaurus of Medicine). (In German). In: Intern. Classificat. 3 (1976) No.2, p. 81–84, 6 refs.
The medical thesaurus described is an international, compatible thesaurus in the German language the structure of which is based upon both a hierarchical classification and a variable classification of facets. Both classification principles are shown by three digit letters and figures. The thesaurus is compatible with the Clinical Key of Diagnosis (KDS), the International Classification of Diseases (E) (ICD/E), and the Systematized Nomenclature of Pathology (SNOP). Its volume comprises 22000 different terms. (Author)

2470 Aitchison, J.: **The EUDISED thesaurus: a preliminary appraisal.** In: Educ. Libr. Bull. 18 (1975) No.3, p. 12–25, 3 refs.
Discussion of the purpose of the thesaurus, its compilation methods, its subject coverage, layout, terminology (high proportion of compound terms).

2471 Bakewell, K. G. B.: **The Unesco: IBE Education Thesaurus (second edition): a description and assessment.** In: Educ. Libr. Bull. 19 (1976) No.2, p. 9–19
Comparison of the different editions of the IBE thesaurus and of the treatment of a number of subjects in it, in the EUDISED thesaurus, the London Education Classification and the Thesaurus of ERIC descriptors. Concludes that there is no real justification for the duplication of educational thesauri which exists. (Author, abbr.)

2472 Seibert, I. N.: **A handbook of standard terminology and a guide for recording and reporting information about educational technology.** Washington, D.C.: Assoc. for Educat. Comm. & Technol.; Natl. Center for Educat. Statistics. Office of Education 1975. 278 p., (U.S. Govern. Printing Office $ 3.40)

66 On CS in the Socio-Area

2473 Gebhardt, F.: **Worthäufigkeiten in der Datenbasis Steuerrecht.** (Word frequencies in the data base for fiscal law.) In: Datenverarb. im Recht 5 (1976) No.3, p. 277–290, 7 refs.
On the basis of 5069 decisions word frequencies were established and compared with a former statistical study on 1003 decisions.

2474 Muranivskij, T. V., Nikolaeva, M. A.: **Use of an IR language in the design of a social sciences automated IR system.** (In Russian). In: Inform. Jasyki. Moskva 1975. p. 166–189, 290
Examination of the scope for application of an open-ended vocabulary, free-indexing IR language in the socio-political field. A case is made for a system joining together elements of conventional classification schemes, thesauri, and controlled vocabulary. (Author, abbr.)

2475 Focken, H. G.: **Verkettete Klassifizierungsnummern zur Informationsaufbereitung und -rückgewinnung in Informationssystemen für den Entwicklungsbereich.** (Chain classification numbers for information analysis and information retrieval in development information systems.) (In German). In: Z. wirtsch. Fertigung 71 (1976) No.6, p. 255–259, 9 refs.

2476 Cejpek, J.: **The choice of a suitable information retrieval language for an automated system of legal information.** (In Slovakian). In: Kniznice a ved. inform., Bratislava 8 (1976) No.2, p. 70–73, 5 refs.

67 On CS in the Economics and Technology Area

2477 Chozin, N. P.: **Toward the development of an economic information language.** (In Russian). In: Techn. sredstva obrabotki inform., Moskva 1975. p. 30–50, 7 refs.

2478 Medvedev, A. A.: **Information languages used in MIS for various purposes.** (In Russian). In: Nauč.-techn. inform., Ser. 2 (1976) No.4, p. 14–18, 7 refs.
Possible uses of information languages of various types in MIS are discussed. The language capacity is shown to be enhanced by introducing paradigmatic and syntagmatic relationships into it. Compatibility of information languages used in various management information systems is considered. (Orig. abstr.)

2479 Winkel, A.: **A consumer-oriented subject heading list: an automation project developed at the Copenhagen School of Economics and Business Administration.** (In Danish). In: Bogens Verden 57 (1975) No.7, p.225–228
The program contains 3 main files: (1) subject headings, (2) classification codes, (3) scope notes.

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2480 Ikonnikova, V. I., Varenova, L. I., Zueva, N. M.: Possibility of using the "Kristall" information language to build a price information retrieval system. (In Russian). In: Tr. Volgogr. politechn. instituta, vyp.4 (1975) p. 61–65, 3 refs.

2481 Kosačkov, L. S., Micheev, Ju. A., Koroleva, L. V.: Describing economic situations in the IC information language. (In Russian). In: Inform. analiz.i lingvist. probl. inform. sistem. Kiev, 1975. p. 15–20
(IC = Information Categories language). Description of the main properties of information models of complex systems. Nine basic categories are distinguished. The field under investigation is economics.

2482 Davies, J. E.: Mechanical engineering information organisation, Pt.I: subject term authorities. In: IATUL Proc. 7 (1974) No.2, p. 60–74, 13 refs.
A survey of the following subject term authority systems is given: TEST, NASA Thesaurus, The Engineering Index, SHE: Subject Headings for Engineering and English Electric Thesaurofacet.

2483 Wåhlin, E.: Uniform classification in the building sector. Pt.I: Classification of products. In: National Swedish Building Research Summaries S4:1977. 3 p.
Summary of Report R47:1976, 132 p., Orig. Swedish. 'Uniform' is understood to refer to a uniform complex of systems which share common features.

2484 Hölzl, J.: Modell eines Warenthesaurus. (Model of a commodity thesaurus.) (In German). In: Forum Ware 4 (1976) No.2, p. 147–157, 13 refs.

2485 Kališevskaja, L. K., Fenina, N.A.: An information language for documentary information evaluation. (In Russian). In: Nauč.-techn. inform. Ser. 2 (1975) No.12, p. 14–19, 39, 5 refs.
The particular version described in the paper is intended for handling information about the manufactured products of various firms and factories. (Author, abbr.)

2486 Sizaire, P.: Plaidoyer pour un vocabulaire international de navigation. (In French). In: Navigation 24 (1976) No.94, p. 218–221
The vocabulary should be built up similar to the international electrotechnical vocabulary.

68 On CS in the Science and Information Area

2487 Partos, J.: Modernisation of the classification of R&D statistics by branches of knowledge in Hungary. (In Hungarian). In: Tudomanys-zervez. tajek. 15 (1975) No.5, p. 616–631, 720–721, 727
In 1974 the Government Science Policy Committee endorsed recommendations drafted by the Hungarian Academy on an improved classification of research statistics in various fields of science. The main features of the new scheme and the changes are discussed in detail with a comparison against the 1973 statistics. (Author, abbr.)

2488 Uzilevskij, G. Ja.: On classification of types of bibliography from the standpoint of semiotics. (In Russian). Orel 1975. 13 p., 7 refs. (Ms. No. 663-76. dep. VINITI, 9 March 1976).

2489 Nadeždina, M. E.: A factographic IRS on content elements of topographic and marine navigation maps. (In Russian). In: Naučno-techn. inform., Ser. 2 (1976) No.2, p. 9–12, 6 refs.
The file and the language of documentary-factographic IRS on elements of the contents of maps and atlases are described, as are the principles of automatically selecting discrete objects in passing over from large-scale to small-scale maps. (Orig. abstr.)

2490 Summann, F.: Probleme der Sachkatalogisierung im Fach Bibliothekswissenschaft. Mit einem Entwurf einer Fachsystematik Bibliothekswissenschaft. (In German). Berlin-W: Deutscher Bibliotheksverband. Arbeitsstelle für das Bibliothekswesen 1976. 81 p., 80 refs. = Bibliotheksdienst Beiheft 122

2491 Nalevkova, M.: Conceptual system of informatics. (In Czech). In: Cs. inform. 17 (1975) No.10, p. 241–245, 13 refs.
A review of studies is given which can serve to formulate 27 basic concepts in informatics. (Author, abbr.)

2492 Hiroki, M.: Construction and maintenance of a news thesaurus. (In Japanese). In: Zyoho kanri, inform. & doc. 18 (1975) No.8, p. 647–655
One of the functions of an information system for newspaper companies and broadcasting office is to produce automatically thesaurus-based indexes to newspapers.

69 On CS in the Culture Area

2493 Palatsky, C.: Art library subject headings system: the Metropolitan Museum of Art. In: Spec. Libr. 67 (1976) No.8, p. 371–376, 5 refs.
Outline of the basic principles governing the system of subject headings and explanation of its structure with the help of specific examples.

2494 Howard, J. V.: A new Roman Catholic classification. In: Bull. of the Assoc. of British Theological & Philosophical Libr. (1976) No.6, p. 9–12
A critical discussion of the article by E. V. Hinwood (See 1529 in Intern. Classificat. 3 (1976) No.1 p. 49).

7 Classification and Language

72 Semantics

2495 Hofmann, T. R.: Bibliography on the semantics of human language. Ottawa, Ont.: University of Ottawa Press, 1974. 118 p. = Linguistic Bibliography Series, 1. $ 4.50

2496 Arsent'eva, N. G.: From semantic features of a word to its surface-syntactic features: problem statement and computer experiment results. (In Russian). In: Nauč.-techn. inform., Ser. 2 (1976) No.9, p. 25–33, 10 refs.
A method of computer-assisted study of relationship between the semantic and syntactic properties of words is described. Rules are considered which serve the computer to generate, from a given word's definition and part of speech data, the word's surface-syntactic characterisation... The results of computer processing of more than 800 word definitions are given ...
(Orig. Abstr., abbr.)

2497 Bilmes, J.: Meaning and interpretation. In: Semiotica 16 (1976) No.2, p. 115–128, 11 refs.

2498 Charniak, E., Wilks, Y. (Eds.): Computational semantics: an introduction to artificial intelligence in natural language comprehension. New York: North-Holland Publ. Co. 1976. 294 p., $ 19.– = ISBN 0-444-1110-7; = Fundamental Studies in Computer Science, Vol. 4
Contains among others the following papers: 2498a Samlowski, W.: Case grammar. 2498b King, M.: Generative semantics. 2498c Wilks, Y.: Parsing English I. 2498d Wilks, Y.: Parsing English II.

2499 Engelkamp, J.: Satz und Bedeutung. (Sentence and meaning). (In German). Stuttgart etc.: Verl. W. Kohlhammer 1976. 100 p. DM 18,80, ISBN 3-17-001770-5
Contains the following 7 chapters: Das Phänomen. Definitionen und Begriffe. Propositionen und ihre Abbildung in der Satzstruktur. Experimentelle Untersuchungen zur Verarbeitung von Propositionen. Sprecherkommentare zu Propositionen und ihre Abbildung in der Satzstruktur. Die Dynamik der Aktualisierung propositionaler Informationen und ihre Abbildung in der Satzstruktur. Rückblick.– Bibliography. Answers to test questions. Name and subject index.

2500 Egorova, N. A.: Semantic explication as subject identification and formalisation. (In Russian). In: Nauč.-techn. inform. Ser. 2 (1976) No.1, p. 26–29, 46, 47, 8 refs. English transl. in: Autom. doc. & Math. Linguist.

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10 (1976) No.1, p. 22–27; title: "Semantic explication as a way to detect and formalize plot".
A semantic explication language is proposed which treats a natural language sentence as a microsubject and the author of the explication as the carrier of the macrosubject – a certain theme represented by a fixed set of basic phrases of the type 'A has a'. The semantic interpretation, i.e. the analysis and expression of the microsubject, is performed by relating the sentence to the basis. In this way a deep semantic structure is obtained to which, in its turn, a semantic formula of the explication language is ascribed. An analysis of semantic formulas is given in conclusion. (Author, abbr.)

2501 Held, W. v.: **Zur Beschreibung und Darstellung begrifflicher Komponenten von Ausdrucksbedeutungen.** (Concerning description and representation of conceptual components of word meanings.) (In German). In: Braunmüller, K., Kürschner, W. (Eds.): Grammatik. Akten d. 1o. Linguist. Kolloquiums Tübingen 1975, Bd. 2, p. 167–176, 4 refs.

2502 Lehrer, A.: **Semantic fields and lexical structure.** Amsterdam: North-Holland Publ. 1974. 225 p., 34 refs. = North-Holland Linguistic Series 11

2503 Martin, J.: **A many-valued semantics for category mistakes.** In: Synthese 31 (1975) p. 63–83

2504 Rubaškin, V. S.: **Attribute and value.** (In Russian). In: Nauč.-techn. inform., Ser. 2 (1976) No.3, p. 3–10, 4 refs.
The semantic notation of a natural language vocabulary denoting attributes and their values is discussed; the semantic language is based on predicate calculus. A system of semantic dictionary characteristics is proposed, which suffices for the description and prediction of basic features of this kind of terms in natural language (semantic relations, question–answer correspondences of complex utterances, and the conditions of semantic wellformedness). (Orig. abstr. suppl.)

2505 Savigny, E. v.: **Meaning by means of meaning? By no means!** In: Erkenntnis 9 (1975) No.1, p. 139–143

2506 Schank, R. C.: **The primitive ACTs of conceptual dependency.** In: Theor. Issues Natur. Lang. Process. Interdisc. Workshop, Cambridge, Mass. 1975. p. 34–37

2507 Schirn, M.: **Identität und Synonymie.** Logisch-semantische Untersuchungen unter Berücksichtigung der sprachlichen Verständigungspraxis. (In German). Stuttgart: Frommann 1975. 260 p., 201 refs.

2508 Titiev, R. J.: **Sentences, semantics, stimuli, and Quine.** In: Theoria 41 (1975) No.1, p. 1–10

2509 Wilks, Y.: **Methodology in artificial and natural language understanding.** In: Theor. Issues Natur. Lang. Process. Interdisc. Workshop, Cambridge, Mass. 1975. p. 130–133

2510 Višnjakova, S. M.: **Resolving keyword polysemy in automatic text processing.** (In Russian). In: IV Vses. konf. "Probl. razvitija edinoj sistemy nauč.-techn. inform. v. strane", Moskva 24–27 cent. 1974. Moskva: VINITI 1974. 11 p. (Ms. No. 3640-75, dep. 16 Dec. 1975)
Methods to resolve word polysemy in a bilingual (English/Russian) experimental automatic indexing system are described. Multiple meaning words are divided into three groups according to three identified kinds of polysemy: (1) lexico-grammatical polysemy; (2) lexical polysemy and (3) mixed polysemy. Working definitions are given for each kind of polysemy. Polysemy rerolution algorithms have been developed and tabulated for 33 words under study. The development and testing of individual algorithms have made it possible to design a standard polysemy resolution algorithm. The experiments in automatic polysemy resolution were carried out on the Razdan-3 computer. (Author)

73 Automatic Language Processing

2511 Bondarenko, G. V.: **Distribution of repetitions in connected text: A basis for identification of supersyntactic units.** (In Russian). In: Nauč.-techn. inform. Ser.2 (1975) No.12, p. 20–31, 19 refs.
Patterns of distribution of intersentence repetitions are used to identify larger supersentence units of text structure, which occupy an intermediate position between the sentence and the text. The approach is shown to differ from that proposed by I.P. Sevbo, namely: there is no preliminary standardization of text and the representation of the sentence structure is more elementary ('positional splitting').

2512 Briner, L. L.: **Identifying keywords in text data processing.** In: Zelkowitz, M. V. (Ed.): Directions and Challenges. 15th Ann. Techn. Symp., June 17, 1976, Gaithersburg, Md. Washington, Assoc. Comp. Mach. 1976, p. 85–90, 12 refs.

2513 Doszkocs, T. A., Schultheisz, R. J., Vasta, B. M.: **Analysis of term distribution in the TOXLINE inverted file.** In: J. Chem. Inform. & Comp. Sci. 16 (1976) No.3, p. 131–135, 15 refs.

2514 Okulič, N. E.: **Algorithm for automatic identification of 'verb+object' phrase.** (In Russian). In: Meždunarod. seminar po mašinomu perevodu 1975. Tezisy dokl. u soobšč. Moskva 1975. p. 101–103

2515 Olney, J., Lam, V., Yearwood, B.: **A new technique for detecting patterns of term usage in text corpora.** In: Inform. Process. & Management 12 (1976) No.4, p. 235–250, 17 refs.

2516 Nagao, M., Tsujii, J.-I.: **PLATON – a new programming language for natural language analysis.** In: Intern. Inst. Appl. Systems Anal., Conf. Proc. Austr. (1976) No.6, p. 270–311, 12 refs.

2517 Weber, H. J.: **Verfahrensweisen bei der automatischen Auffindung von Wortformen.** (Procedures in automatic retrieval of word forms). (In German). In: Z. f. Phonetik, Sprachwiss. u. Komm.forsch., Berlin-O 29 (1976) No.3, p. 264–274, 15 refs.

74 Grammar Problems

2518 Miller, G. A.: **Comments on lexical analysis.** In: Theor. Issues Natur. Lang. Process. Interdisc. Workshop, Cambridge, Mass. 1975. p. 30–33, 6 refs.
Proposal for a semantic representation of a sentence in a formal language.

2519 Rubaškin, V. Š.: **The grammatical means of an information language.** (In Russian). In: Inform. Jasyki. Moskva 1975. p. 190–221, 290, 3 refs.
Discussion of the typology and principles of selection of information language grammatical means. Proposal for criteria for grammatical means classification: sense discriminating functions, formal text structure, ratio of lexical and grammatical means and degree of standardization of language expressions. (Author)

76 Lexicon/Dictionary Problems

See also 2246, 2548

2520 Mentrup, W.: **Wörterbuch am Wendepunkt?** (Dictionary's turning point?) (In German). Projekt eines großen interdisziplinären Wörterbuchs der deutschen Sprache (3. u. 4. Colloquium in Bad Homburg). In: Deutsche Sprache (1976) No.4, p. 370–379
Report on two meetings of a working party for the planning of a twenty-volume dictionary comprising the German language including also the terms of special fields.

2521 Paščenko, N.A. et al.: **Design criteria of a machine dictionary for the automatic indexing of coherent texts.** (In Russian). In: IV Vses. konf. "Probl. razvitija edinoj sistemy nauč.-techn. inform. v strane", Moskva 24–27 cent. 1974. Moskva: VINITI 1974. 13 p. (Ms. No.3512-75, dep. 16 Dec. 1975).

2522 Patrugin, Ju.: **The scope for polyhierarchical ordering of descriptors in information retrieval.** (In Rus-

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sian). In: Maš. per. i avtomatiz. inform. processov. Moskva 1975. p. 195–209
Discussion of the development of an optimally structured descriptor dictionary to minimise search times.

77 General Problems of Terminology

See also 2244, 2283, 2286, 2587, 2588, 2589

2523 Bausch, K.-H., Schewe, W.H.U., Spiegel, H.-R. (Eds.): Fachsprachen. Terminologie – Struktur – Normung. (Special languages. Terminology – Structure – Standardization). (In German). Berlin – Köln: Beuth Verl. 1976. 168 p. = DIN Normungskunde H.4. ISBN 3-410-10731-2. DM 28,–
20 contributions, 3 of which original ones, the rest reprints from scattered sources, arranged in six sections, a bibliography is added. Introduction by the three editors, the articles as follows: 2524 Möhn, D.: Sprache – Schlüssel zur Technik. 2525 Spiegel, H.-R.: Sprache, Mittel fachlicher Kommunikation. Die Fachsprachen und ihre Schichtung. Wesen und Aufgaben der Terminologienormung. 2526 Wüster, E.: Die allgemeine Terminologielehre. 2527 Wersig, G.: Probleme und Verfahren der Terminologiearbeit. 2528 Klaus, G.: Die Normierung der Sprache in semiotischer Sicht. 2529 Filipec, J.: Zur Spezifik des spezialsprachlichen Wortschatzes gegenüber dem allgemeinen Wortschatz. 2530 Pelka, R.: Die technische Sprache als Kommunikationsmittel neben anderen. 2531 Schütze, R.: "Außenrund-Schnelleinstechschleifen" – Bemerkungen zu einem Wortbildungstyp in der Fachsprache der Technik. 2532 Herzog, R.: Gegenwärtige Tendenzen in der terminologischen Wortbildung – Untersuchungen zur Verwendung der Kompositumstruktur in Fachwörtern der amerikanischen und deutschen Datenverarbeitungsterminologie. 2533 Pelka, R.: Metaphorik im Bereich der Werkstückbenennungen. 2534 Drozd, L.: Kürzung als Wortbildungsverfahren. 2535 Beneš, E.: Syntaktische Besonderheiten der deutschen wissenschaftlichen Fachsprache. 2536 Warner, A.: Phraseologische Grundsätze für die Technik – Bildung und Anwendung fachsprachlicher Wendungen. 2537 Ischreyt, H.: Die genormte Terminologie in der Schichtung der technischen Fachsprache. 2538 Bausch, K.-H.: Fach- und Gemeinsprache als kommunikationssoziologisches Problem. 2539 Möhn, D.: Fach- und Gemeinsprache. Zur Emanzipation und Isolation der Sprache. 2540 Spiegel, H.-R.: Produktive Wortbildungstypen in einer gewachsenen Fachsprache. 2541 Schewe, W.H.U.; Spiegel, H.-R.: Der Beitrag des DIN und des VDI zur Terminologie und Fachsprache. – Internationale und nationale Terminologienormen und VDI-Richtlinien zu den technischen Fachsprachen.

2542 Hoffmann, L.: Kommunikationsmittel Fachsprache. Eine Einführung (Communication by special language. Introductory text.) (In German). Berlin-O: Akademie-Verl. 1976. 498 p., 21 fig., 73 tabl. = Samml. Akademie-Verlag 44
Contains also a comprehensive bibliography of some 1400 references arranged according to the following topics: 1) Bibliographies, 2) Collections, 3) Special languages in general, 4) Terminology, 5) Translation of special language, 6) Education in special language, 7) Frequency lists and minimals of special language lexicogrphy.

78 Special Terminology Problems

See also 2263–2274

2543 Schipperges, H.: Die Sprache des Arztes. (The terminology of a physician.) (In German). Stuttgart, A. W. Gentner Verl. 1976. 32 p., 84 refs. ISBN 3-87247-218-6
Enlarged version of a paper presented at the XIth Annual Conf. of the Südwestdeutsche Gesellschaft für Innere Medizin, Mannheim, 15 june 1974. Contains proposals for a revision of the overabundant medical terminology. Pleads for lecturing medical terminology on the basis of a systematic display of medical concepts.

2544 Schnegelsberg, G.: Zweckmäßige Fachterminologie für Waren. (Suitable terminology for commodities). (In German). In: Forum Ware 4 (1976) No.2, p.145–146

2545 Ely, D. P.: The current status of audiovisual definitions and terminology: an international perspective. Paper presented at the Intern. Symposium on Audio-Visual Materials, Strasbourg, France, Jan. 9, 1976. EDRS ED 118 093, HC $ 1.67

2546 Skuinja, V. P.: Ways of developing a universal science terminology. (In Russian). In: Probl. nauč. upr. soc. obščestvom. Riga: Latv. Univ. 1975. p. 135–147

2547 Moller, H. J.: Probleme der psychiatrischen Wissenschaftssprache. (Problems of terminology in psychiatry.) In: Meth. Inform. Med. 15 (1976) No.4, p.241–246, 46 refs.

2548 Lejčik, V. M.: Lexicographic terminological activity. (In Russian). In: Terminol. bibl. dela, Moskva 1975. p. 6–15, 22 refs.
Review of the theoretic and applied aspects of lexicographic terminological work.

2549 Suslova, I. M.: Library science terminology as a system. (In Russian). In: Terminol. bibl. dela, Moskva 1975. p. 16–29, 8 refs.
A systematic arrangement of a terminological dictionary means a synthesis of a logical and a linguistic system. This assumption is exemplified by such an arrangement of library science terms.

2550 Suslova, I. M., Ulanova, L. N.: Lexicographic problems of library science terminology. (In Russian). In: Terminol. bibl. dela, Moskva 1975. p. 30–96

2551 Smirnov, I. P.: Features of formation, introduction and use of new terms. (In Russian). In: Terminol. bibl. dela, Moskva 1975. p. 97–99

79 Problems of Translation (incl. Multilingual CS)

See also 2276, 2309, 2361

2552 Černaja, E. B.: Some problems in the development of a bilingual information retrieval thesaurus. (In Russian). In: IV Vses. konf. "Probl. razvitija edinoj sistemy nauč.-techn. inform. v strane. Moskva, 24–27 cent. 1974. Moskva: VINITI 1974. (Ms. No. 3638-75, dep. 16 Dec. 1975)

2553 Grünhagen, P., Winkler, H.: Forderungen an den mehrsprachigen Informationsrecherchethesaurus. Requirements for the multilingual information retrieval thesaurus. (In German). In: Informatik 23 (1976) No. 5, p. 32–36, 9 refs.

2554 Leont'eva, N. N.: Special features of information language grammars and automatic translation from natural to information language. (In Russian). In: Maš. per. i avtomatiz. inform. processov, Moskva 1975. p. 65–73

2555 Pigur, V. A., Baranova, O. B.: Multilingual thesauri: a review. (In Russian). In: Naučno-techn. inform., Ser. 2 (1976) No.6, p. 13–18, 8 refs.
Review of the methodical guidance papers on the development of international thesauri issued by international organizations.
(Orig. abstr., abbr.)

8 Applied Classing and Indexing

81 General Problems and Indexing Rules

See also 2581, 2583

2556 Deo, M. S., Sinha, K. M.: Prenatal classification of articles and their utility after publication. In: Herald Libr. Sci. 15 (1976) No.2, p. 122–125, 5 refs.

2557 Keen, M.: A retrieval comparison of six published indexes in the field of library and information science. In: Unesco Bull. Libr. 30 (1976) No.1, p. 26–36, 3 refs.

2558 Ottovar, A.: Does PRECIS solve our subject cataloguing problems? (In Danish). In: Bibliotek 70 (1975) No.20, p. 504–505, 5 refs.

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Consideration of some critical points of view and recommendation to thoroughly examine PRECIS by an interdisciplinary team before putting it to usc in Danish public libraries.

2559 Kristensen, T.: 'I only fear the casual word which brings confusion into the world'. (In Danish). In: Bibliotek 70 (1976) No.1, p. 20–24, 3 refs.
Three replies to A. Ottovar's article on PRECIS in Bibliotek 70 (1975) No.20 by C. Shaw, J. B. Friis-Hansen and J. Sørensen.

82 Data Indexing

2560 Brugger, W. E., Stuper, A. J., Jurs, P. C.: Generation of descriptors from molecular structures. In: J. Chem. Inform. & Comp. Sci. 16 (1976) No.2, p. 105–110, 30 refs.

2561 Cohen, S. M., Dayton, D.L., Salvador, R.: Experimental algorithmic generation of articulated index entries from natural language phrases at Chemical Abstracts Service. In: J. Chem. Inform. & Comp. Sci. 16 (1976) No.2, p. 93–99, 5 refs.

2562 Ebe, T., Zamora, A.: Wiswesser Line Notation processing at Chemical Abstracts Service. In: J. Chem. Inform. Comp. Sci. 16 (1976) No.1, p. 33–35, 8 refs.

2563 Myers, D. C., Rathbun, J. A., Tate, F. A., Weisgerber, D. W.: Bridging and interlinking the information resources. In: J. Chem. Inform. Comp. Sci. 16 (1976) No. 1, p. 16–19, 3 refs.
The American Chemical Society through its Chemical Abstracts Service plans to establish a Regulatory Registry Service (RRS), based on the CAS Chemical Registry System, to uniquely identify substances in publicly available government agency files and thereby to provide a potential interfile link for substance-oriented data in these files. (Authors, abbr.)

83 Indexing of and by Titles, Phrases

See 2362, 2558, 2579

86 Indexing and Indexes of CS

2564 Muench, E. V.: Biomedical classification schemes; an English/Spanish correlation index to five library classification schemes based on MeSH. 7 vols. Ann Arbor, Mich.: Xerox University Microfilms 1975. 2519 p., Xerographic Copy $ 75.–
The five schemes were: National Library of Medicine (scheme), Library of Congress Classification, Dewey Decimal Classification, Cunningham scheme, Boston Medical to MeSH and a Spanish translation of MeSH.

2565 Murinson, E. A., Čausova, I. N., Šenderov, V. Z.: Use of the IPC alphabetical subject index in broad patent searches. (In Russian). In: Naučn. i techn. biblioteki SSSR 10 (1975) No.142, p. 19–22, 4 refs.
Proposes an indexing method for generic requests which result in a 25 % improvement of the recall ratio compared with the conventional method. (Author)

87 Indexing of Secondary Literature

2566 Nelson, R. D., Hensel, W. E., Baron, D. N., Beach, A. J.: Computer editing of general subject heading data for Chemical Abstracts volume indexes. In: J. Chem. Inform. Comp. Sci. 15 (1975) No.2, p. 85–94, 8 refs.
The computer editing (in four types of operations) results in the fact that only 4 % of index headings require additional human editing as against 100 % previously.

2567 Becker, F. E.: Audible indexing for dictation apparatus. U.S. Patent 3,881,072.1975. International Business Machines.

88 Indexing of Primary Literature and Documents

2568 Latyszojc, Z., Pajak, S.: The problems of application and utilisation of a descriptor language in patent information. (In Polish). In: Aktual. Probl. Inform. Dok. 21 (1976) No.1, p. 20–24, 7 refs.

2569 Bishop, D.: Indexing Victoria's shipping records. In: Indexer 10 (1976) p. 27–29 (Reprinted from Society of Indexers in Australia newsletter, Dec. 1973)

2570 Uhl, J.: Indexing Victoria's historic criminal records. In: Indexer 10 (1976) p. 24–6. (Reprinted from Society of Indexers in Australia newsletter, Begr. 1974)

89 Indexing and classing of pictures, etc.

2571 Brown, M.: Cartoon classification the Kent way. In: Libr. Assoc. Record 78 (1976) No.2, p. 77, 86

2572 Selmer, M. L.: Map cataloging and classification methods; a histroical survey. In: SLA Geogr. & Map Div. Bull. (1976) No.103, p. 7–12

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

91 General Problems of Organisation of Classification

See also 2205

92 Persons and Institutions in Classification

See also 2343

2573 Panov, A. A., Suchmaneva, E. G.: Classification problems in the USSR Academy of Sciences centralised library system. (In Russian). In: Probl. centralizacii raboty bibl. Moskva 1975. p. 51–59, 3 refs.

2574 Lemaš, I. M.: The Polish Committee for Classification Research. (In Russian). In: Bibliotekoved. i bibliogr. za rubezom 54 (1975) p. 62–70, 23 refs.

2575 American Society of Indexers: Register of indexers, 1975–1976. New York: Amer. Soc. Indexers, c/o P. Rooney, 30 Charles Street, New York. 1975? VIII+13 p., $ 3.–
List of the members of the Amer. Soc. of Indexers (names, addresses, telephone numbers, special subject and language capabilities of more than 150 indexers). Contains also "Guidelines for publishers and editors on index evaluation" and "Guidelines on employment terms for freelance indexers".

93 Organisation of Classification on the National and International Level

See also 2373, 2376

2576 Friis-Hansen, J. B.: Library classification systems in Denmark. In: Intern. Classificat. 3 (1976) No.2, p. 91–93
Report about the development of the classification system for public libraries in Denmark, the "Danish Dewey" and its five editions since its first one in 1915, as well as brief outline of more recent developments concerning subject cataloguing and cooperation between the Danish public libraries and the research libraries. I. C.

2577 Barth, C.: Zur Weiterentwicklung der Informationsrecherchesprachen in der DDR. (Concerning the further development of information retrieval languages in the GDR). In: Informatik 23 (1976) No.4, p.37–40

2578 Weitemeyer, M.: Which way to "Shared Classification"? A Danish view. In: Intern. Classificat. 3 (1976) No.2, p. 93–96, 13 refs.
Report on the results of an investigation to clarify 1) which classification systems are in use in other countries than Denmark meeting some preestablished criteria and 2) how much of the Danish classification data is preclassified on available magnetic tapes and in which classification system. Data for the use of the systems are shown as well as the percentages for language distribution of foreign literature in Danish research libraries. Discussion of new trends which may lead to use of a rough classification supplemented with subject headings. I C.

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95 Education and Training in Classification and Indexing

2579 Bakewell, K., Hunter, E.: **Teaching PRECIS at Liverpool.** In: Catalogue & Index (1975) No.36, p.3–6
Description of the teaching methodology used comprising guided reading, handout, lecture and tutorials.

2580 Dahlberg, I.: **Classification theory course in Rio de Janeiro.** In: Intern. Classificat. 3 (1976) No.2, p.103–104
Presentation of the teaching program and of the assignment for a term paper on a comparative analysis of a special subject-field in different universal classification systems.

2581 Davis, R. A.: **A curriculum in indexing and abstracting.** In: The Indexer 10 (1976) No.2, p. 75–

2582 Heinrich, G.: **A library classification training program.** (In German). In: Intern. Classificat. 3 (1976) No. 2, p. 101–103
Presentation of the course program regarding the 110 hours of lecturing and exercises (80:30) in library subject cataloguing and classification at the Bibliothekar-Lehrinstitut in Köln.

2583 Jackson, E. B., Cogswell, R. E., Forster, T.: **Practical training for indexing.** In: Spec. Libr. 67 (1976) No. 9, p. 428–432, 12 refs.

97 Economic Aspects in Classification and Indexing

2584 Manecke, H. J.: **Aufwand und Nutzen bei der Erarbeitung und Anwendung von Informationsrecherchesprachen.** (Expenditure and profit in the elaboration and application of information retrieval languages). In: Informatik 23 (1976) No.4, p. 34–36, 11 refs.
Recommends not to develop any more tools for greater expressibility of information but to apply standardized thesauri and decrease subjectivity of indexing at the same time.

98 User Studies

2585 Moll, J. K.: **Children's access to information in print: an analysis of the vocabulary (reading) levels of the subject headings and their application to children's books.** (PhD Thesis). Brunswick, N.J.: Rutgers Uniersity 1975. 163 p. = EDRS: ED 112912; HC 8.24, MF 0.76
Investigation of the comprehension of subject headings by children. It was found that for children reading above the national norm (USA) the subject catalog can provide access to 70 percent of juvenile reading material. Using nationwide comprehension scores the access was estimated to be only 29 percent.

2586 Needham, A.: **Classified or KWOC catalogues? Indicative comparison of the success and usability of a KWOC catalogue with UDC catalogues at four university libraries.** Bath, England: Bath University Library 1975. 41 p.
BUCCS Final Report, Paper No.6 summarizes the findings of a user study at Bath and three other university libraries concerning speed and performance of searches of different catalogues. It was concluded that the KWOC catalog is quicker and potentially more successful than a UDC classified catalog, at least in the mainly scientific and technological fields tested.

99 Standardization in Classification

See also 2275

2587 Almasy, C.: **International standardisation of terminology.** (In French). In: Banque des mots (1975) 10, p. 129–134

2588 Jansen, R.: **German and international standards for the construction of thesauri and terminological vocabularies.** (In German). In: Mitt. Ges. Bibl.wes. u. Dok. d. Landbaues (1977) No.25, p. 5–18
Describes the existing German and international committees and working groups concerned with the standardization in the field of terminology and thesaurus-construction as well as the German and international standards existing in these fields.

2589 Kobrin, R. Ju., Pekarskaja, L. A.: **Standardisation of terms: hopes and reality.** (In Russian). In: Nauč.-techn. inform., Ser. 1 (1976) No.9, p. 8–12, 24 refs.
The authors show the impossibility of a rigid standardisation of terms. Such a standardisation should not be based on the properties of 'ideal' terms but on the study of the real processes of functioning of terms in a language. Standard terms can be selected from the files of actual scientific and technical texts; terminological standards should be merely recommendatory.
(Orig. abstr. abbr.)

2590 Ehlers, H. J.: **International standardized numbering systems.** In: Intern. Symp. Cat. Coding Stat. Audio-v. Mater., Strasbourg 1976. Paris: Unesco 1976. p. 90–122, 5 p. refs.

2591 Korsunskaja, G. V., Razumova, V. G., Cukerman, E. M., Černova, T.S.: **Principles and methods of subject authority file design.** (In Russian). In: IV Vses. konf. "Probl. razvitija edinoj sistemy nauč.-techn. inform. v strane", Moskva 24–27 cent. 1974. Moskva: VINITI 1974. 8 p. (Ms. No. 3620-75, dep. 16 Dec. 1975)
Guidelines drawing on the experience in authority file and search tool design have been developed to aid in their unification and to facilitate their preparation. The guidelines concern the layout and composition of subject authority files of central sectoral and other information agencies. The files are based on the principles of hierarchical classification whereby the classification objects are arranged according to certain logical principles of continuity, coextensivity, etc. Rules for the use of standard divisions in authority files are given. The network of references, cross-references and notes is looked at. (Author, abbr.)

Supplementary information:

The work of **W. Belke** and **D. Graichen** (see ref. no. 1707 in I.C.3 (1976) 1, p. 55) has now been published. Its title: "Zur Theorie und Technologie der Klassifizierung von Informationen". In: Z. elektr. Inform. u. Energietechnik. Leipzig 6 (1976) No.4, p. 289–304

The contribution of **G. A. Cooke, D. M. Heaps, M. Mercier**: "The study of UDC and other indexing languages through computer manipulation of machine readable data bases" has been published in Serbo-Croatioan in: Informatika, Jugosl. 9 (1975) No.4, p. 141–152, 22 refs. (see also 438 in Intern. Classificat. 1 (1974) No.1, p.57)

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Outline of form and subject categories of the field of classification science and applied classification[1]

0 Form divisions

01 Bibliographies
02 Literature reviews
02 Dictionaries, terminologies
04 Classification systems & thesauri
05 Periodicals and serials
06 Conference reports, proceedings
07 Text books (whole field)*
08 Other monographs (whole field)*
09 Standards, guidelines

1 Theoretical foundations

11 General theory of order
12 Conceptual basis of class.
13 Mathematics of classification
15 Psychol. & epistemol. of class.
16 Development of science and class.
17 Classification problems
18 Classification research
19 History of classification

2 Structure and construction of CS**

21 General questions of structure
22 Elements and special structures
23 Construction of CS
24 Relationships
25 Sequencing of concepts/classes
26 Notation, codes
27 Compilation, updating, storage & maintenance of CS
28 Compatibility and concordances of CS
29 Evaluation of CS

3 Classing and indexing (methodology)

31 Theory of classing & indexing
32 Subject analysis
33 Classing and indexing techniques
34 Automatic classing and indexing
35 Automatic ordering
36 Coding
37 Reclassification
38 Index generation programming
39 Evaluation of indexing

4 On universal systems

41 On universal systems in general
42 On the UDC
43 On the DDC
44 On the LCC
45 On the Bliss Classification, BC
46 On the Colon Classification, CC
47 On the Libr.-Bibliogr. Class., LBC (BBK)
48 On other universal CS (alph.)
49 On CS for special user groups

5 On special objects CS (taxonomies)

51 Numerical taxonomy***
52 On taxonomies and nomenclature for chem.
53 On taxonomies for minerals and materials
54 On taxonomies for plants and animals
55 On taxonomies in the human area
56 On taxonomies in the socio area
57 On commodity CS
58 On CS for kinds of documents
59 On CS for objects in humanities area

6 On special subjects CS

61 On CS for mathematics and area 1 fields
62 On CS for physics and chemistry, incl. el.
63 On CS for the astro- and geosciences
64 On CS in the bio-area
65 On CS in the human area
66 On CS in the socio-area
67 On CS in the economics and technol. area
68 On CS in the information area
69 On CS in the culture and humanities area

7 Classification and language

71 Gen. probl. of nat. languages, semiotics
72 Semantics
73 Automatic language processing
74 Grammar problems
76 Lexicon, dictionary problems
77 General problems of terminology
78 Special terminology problems
79 Problems of translation (incl. multiling. CS)

8 Applied classing and indexing

81 General problems of indexes and indexing rules
82 Data indexing
83 Indexing of and by titles, phrases
84 Indexing of texts
85 Book indexing
86 Indexing and indexes of CS
87 Indexing of secondary literature
88 Indexing of primary literature

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

91 General probl. of organisation of class.
92 Persons and institutions in class.
93 Org. of class. on the national level
94 Org. of class. on the intern. level
95 Education and training in class. & index.
97 Economic aspects
98 User studies
99 Standardization in classification

* Monographs on special topics at spec. subdivisions
** CS stands for *C*lassification *S*ystems including thesauri
*** Except for 51 outline follows under 5 and 6 the main divisions in scheme ob subject fields as given in I.C.2 (1975) No. 1, p. 36

1 Slightly differing version from the one published in Intern. Classificat. 1 (1974) No. 2, p. 109

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