CLASSIFICATION LITERATURE

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Outline of form and subject categories of the field of classification science and applied classification

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
14 Systemology and 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

* Monographs on special topics at spec. subdivisions
** CS stands for Classification Systems including thesauri

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
75 Question-answering systems
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
89 Classing and indexing of pictures, etc.

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

*** 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

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0 FORM DIVISIONS

01 BIBLIOGRAPHIES

6686 Gallo, M.A.de: Inventory of Spanish and/or Portuguese documentary languages. Orig. en. In: Int.Classif. 1981 Vol 8, No.1, p.28-29
Report on the elaboration of an inventory of thesauri and other indexing languages in Spanish and/or Portuguese.

6687 U.S.National Agricultural Library: Thesauri and vocabularies for use in searching agriculturally related data bases, 1969 - December 1978. Orig. en. Beltsville, Md. 1979. 13 p.
106 citations from online search.

6688 Perruchet, C.: References for studying validity tests about data analysis. Prebibliographie pour l'étude des problèmes de validité en analyse des données. Orig. en, fr. Issy les Moulineaux, France 1981. 19 p.
Bibliography meant as a basis for meetings to be held in 1982 by the Research Group on Data Analysis of the CNET on the topic of validity tests about data analysis. The author solicits bibliographic data on these topics to be sent to: C.Perruchet, CNET/PAA/ATR/MTI, 38-40 rue du Général Leclerc, F-92131 Issy les Moulineaux.

6689 Wilke, J.: Bibliographie zu Verfahren der multivariaten Statistik, der mehrdimensionalen Klassifikation und ihre Anwendungen in Natur- und Gesellschaftswissenschaften 1901-1975 (Bibliography on processes of multivariate statistics of multidimensional classification and their applications in natural and social sciences, 1901-1975) Orig.de, ru.
Berlin/DDR: Akademie-Verlag 1978. 1123 p., 2 vols., DM 72.40
Lists some 7471 titles on factor analysis, principal component analysis, multidimensional scaling, cluster analysis, numerical taxonomy, pattern recognition. Each section in alphabetical arrangement. Separate sections for the authors with names in Cyrillic script. Introduction in German, indexes p.1039-1123.

6690 Robinson, P.: ESP (English for Special Purposes): The present position. Orig. en. Oxford: Pergamon Press 1980. 121 p. = Pergamon Institute of English: Position Papers
A 504-item bibliography covering the following kinds of publications: journals, project and conference reports, collections of papers and articles, articles on definitions of ESP, historical studies of ESP, books and articles on topics relating to education and training in the field and according to subject matter.

6691 Hjerppe, R.; Royal Inst.of Technol.Library: A bibliography of bibliometrics and citation indexing and analysis. Orig. en. Stockholm 1925. 163 p., Report TRITA-LIB-2013

03 DICTIONARIES, TERMINOLOGIES

6692 Goedecke, W.: Wörterbuch der Werkstoffprüfung (Dictionary of material testing) Orig. de, en, fr.
Düsseldorf: Verein Deutscher Ingenieure, VDI 1979. 382+486 p., 2 vols., ISBN 3-18-400434-1, 3-18-400435-X

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Contains definitions of over 600 terms taken from a wide range of disciplines. A large number of them are quoted verbatim from standard vocabularies.

6694 Patrick, P.K.(Comp.): Glossary of solid wastes. Orig.en. Genf: World Health Organizat.1980. 92 p. Sw.fr.12.-

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6696 British Standards Institution: Glossary of paper, board, pulp and related terms. Orig. en. London 1979. 25 p., ISBN 0-580-11075-3, BS 3202; ISO 4046-1978

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Düsseldorf: Verein Deutscher Ingenieure VDI 1976-1977. 354+369 p. , 2 vols., ISBN 3-18-419044-7, 3-18-419046-3

6698 Gorkova, V.I., Bakulina, I.I.(Eds.): Essential problems in terminology for informatics and documentation. Some methodological recommendations on dictionary developments. New terms in informatics. Orig. en, ru. Moskva: VINITI 1980. 111 p., FID Publ.570
This volume, compiled by the FID/DT Terminology of Information and Documentation Study Committee, includes the paper "Some methodological recommendations on dictionary developments" and a list of 1000 relatively new terms in information science with definitions in alphabetical order, prepared by E.G.Azgaldov and A.I.Chernyi.

6699 Jones, D.P. et al; National Center for Higher Education Management Systems: Handbook of standard terminology for reporting and recording information about libraries. Orig.en. Boulder, Colo. 1979. 317 p., 5 fig., 30 tab., 35 refs., ED 174205

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6701 British Standards Institution: Glossary of terms used in data processing. Pt.16: Information theory. Orig. en. London 1979. 8 p., ISBN 0-580-10852-X, BS 3527; ISO 2382/XVI-1978

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04 CLASSIFICATION SYSTEMS AND THESAURI

6703 Lenoch, H. (Comp.); Commission of the European Communities, Transl.Div., Terminology Bureau: System of classification: key to subject fields, country codes, language symbols. Orig. en. Luxemburg 1980. 118 p.

6704 Deusche Bibliothek: Schlagwort-Pool. Kumulationsperiode 1976/I-1979/II. T.1: Alphabet.Liste der Schlagwörter mit Angabe der Systematiknummer; T.2: Systemat.Liste d.genormten Schlagwörter (Subject-headings pool. Cumulation period 1976-1979. Pt.1: Alph.list of subject-headings with notation, Pt.2 Classified list of standardized subject-headings) Orig.de Frankfurt: Buchhändler-Verein 1980. 650p., ISBN 3-7657-0903-4

UDC

6705 Atomic Weapons Res.Establishment: Alphabetical Subject Index to the UDC. Vol.1: Alph.Subject Listing, Vol.2: UDC Order Listing. Orig.en. Aldermaston, U.K. 1980. 245+225 p.

6706 Lindahl, B.(Ed.): Reducerad UDK: Universelle Decimalklassificationen i kort urval for koordinativ klassificering av bygglitteratur. (Reduced UDC for coordinate classing of building literature) Orig. sv. Stockholm 1979. 180 p., ISBN 91-7240-035-8

DDC

6707 National Library of New Zealand, School Library service: Numerical and alphabetical subject headings for primary schools. Orig. en. Wellington, New Zealand 1978. 50 p.

6708 National Library of New Zealand, School Library Service: Subject headings for secondary school libraries. Orig. en. Wellington, New Zealand 1978. 58 p.

BBC (BLISS)

6709 Polytechnic of North London, School of Librarianship: Bliss Bibliographic Classification. Penultimate draft schedule for Class K: sociology and folklore. Orig. en. London 1980. 46 p.

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6710 Centre National de Documentation du Maroc: MAKNAZ - Thésaurus du système de documentation scientifique et technique. (Thesaurus for the scientific and technical documentation system) Orig. fr. Rabat, Morocco 1980. 1035 p., 12 vols.

SPECIAL CLASSIFICATION SYSTEMS AND THESAURI

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Hitchin, England 1980. 94 p., ISBN 0-85296-224-X

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6716 International Atomic Energy Agency: INIS Thesaurus, Rev.19. Orig. en. Wien 1980. 748 p., ISBN 92-0-178480-5

6717 Uranium Institute: The Library (including classification scheme). Orig. en. London, England 1980. 18 p.

6718 New York Institute of Technology; Center for Energy Policy and Research: Index to INFO EES Suggested Subject Headings. Orig. en. Old Westbury, N.Y. 1980. 26 p.

6719 National Research Council; Maritime Research Information Service: Index of MRIS subject terms keywords). Orig. en. Washington, D.C.: Natl. Academy of Sciences 1980. 151p.

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6733 Institut Gustave Roussy: CANCERNET thesaurus: English version. Orig.en. Villejuif, France 1980. 507 p., 3 vols.

6734 National Cancer Institute: Alphabetical and hierarchical listings of CANCER PROJ. index terms. Orig. en.
Silver Spring, Md. 1980. 59 p.

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Watford, England 1978. 135 p., ISBN 0-85083-422-8

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6758 British Standards Institution: Classification and numbering system and nomenclature of components for watches and clocks. Orig.en. London 1980. 4 p., ISBN 0-580-11355-8.

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05 PERIODICALS AND SERIALS

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6770 FID/CR News. Newsletter of the Committee on Classification Research (CR) of the Fédération Internationale de Documentation (FID). In: Int.Classif. B(1981)No.I, p.33-35
From 1981 on this newsletter which had been published separately since 1973 by the FID/CR Secretariat appears in IC. It contains a Calendar of Meetings, Reports of CR Groups in the countries of the worlds, news about activities of FID/CR and news about on-going research in classification.

6771 American University. English Language Institute: The ESP Journal. An International Journal of English for Special Purposes. Orig. en. Washington, D.C. 1980 Vol 1, No 1, 75 p.

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The No.1 contains a statement on aims and contents of this journal, a report on Infoterm and TermNet by H.Felber, a presentation on this institution as an example for similar presentations and book reviews and reports. Some sections are bilingual E-F side by side.

6773 Werner, R.: Book review of "Fachsprache". Internationale Zeitschrift für Fachsprachenforschung, -didaktik und Terminology. (Language for Special Purposes (LSP). Research. Teaching. Terminology. (Title also in French) 1(1979)No.1) de, Orig. In: Lebende Sprachen 1981, No 1, p.183-184

06 CONFERENCE REPORTS, PROCEEDINGS

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Contains the following contributions of interest: 6775 Winters, R.K.: Suggested guidelines for preparing multilingual forestry terminologies, p.129-132. - 6776 Bernetti, G.; Nocentini, S., Manolacu, G.M.: The Italian version of the multilingual forestry terminology, p.133-136. - 6777 Strand, L.: A multilingual thesaurus for forestry, p.141-145. - 6778 Garraud, S.: The French thesaurus AGRIOOC in view of new developments in computerized information retrieval systems in France, p.147-150. - 6779 Blatchford, O.N.: The value of ODC for information retrieval now and tomorrow, p.171-176. - 6780 Schenker, R.: Advocating the Oxford System of Decimal Classification for forestry, p.177-183.

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Report on a meeting held in Bratislava, Slovakia, 18-21 Sept. 1979.

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6783 Suslova, I.M.: Terminological activities in librarianship, p.4-5. - 6784 Barsuk, A.I.; Malevič, E.N.: Ways of assimilation of the USSR State Standard "Bibliography: terms and definitions", p.11-13. - 6785 Lejčik, V.M.: The objectives and directions of work in the field of library science terminology in the national languages of the USSR, p.14-15. - 6786 Lininja, S.Ja.: On some aspects in the forming of library science terms, p.16-18. - 6787 Skuinja, V.: Some linguistic principles of term building, p.19-21. - 6788 Tichonova, E.V.; Brodskaja, B.A., Abdurachmanov, Ch.: Toward the selection and organisation of lexical material for a Russian-Uzbek thematic dictionary of librarianship, p.22-24. - 6789 Jurman, Ch.: Some problems of the ordering of library terminology in the Estonian SSR, p.25-26. - 6790 Mikaeljan, C.O.: The state of the art in library and bibliographic terminology in the Armenian SSR, p.27. - 6791 Arutene, V.: On the work of the Council for Library Terminology of the Interdepartmental Library Commission in the Lithuanian SSR, p.28. - 6792 Maulinja, A.A.: The subsystem of classification and cataloguing terms: the present state and some problems, p.29-31. - 6793 Karma, T.: On uncertainties in the classification terminology, p.32-33.

6794 Krommer-Benz, M.(Ed.): Theoretical and methodological problems of terminology. Proc.International Symposium convened by Gosstandard, VNIIKI, Moscow 27-30 Nov.1979. Orig. en, ru, fr. = Infoterm Series 6. München: K.G.Saur 1980. 608 p.
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logy work of the Deutsches Institut für Normung (DIN - Standards Institute of the Federal Republic of Germany), p.429-432. - 6814 Vollmer, J.: Experience with Eurodicautom - the terminology bank of the European Communities, p.447-452. - 6815 De Castro, D.R.: A terminology bank for a technical university, p.458-464. - 6816 Smirnov, I.P.; Oubine, I.I.: New terms in scientific and technical translation and automatic dictionaries. p.476-479. - 6817 Miller, J.D.: Machine assisted translation: a new hope for terminology data banks, p.484-490. - 6818 Gor'kova, V.I.: Terminology development: the application of methods used in informatics, p.503-513. - 6819 Arntz, R.: Terminology as a discipline in the training of translators and interpreters in languages for special purposes, p.524-530. - 6820 Selander, E.: Terminology training - a tool for the improvement of international glossaries, p.543-549. - 6821 Dahlberg, I.: On the structure of definitions, p.568-570. - 6822 Dubuc,R.: La situation en terminologie, p.571-582. - 6823 Leska, B.M.: The connections between systems of concepts and thesauri, p.583-590. - 6824 Riggs, F.: Terminology for the social sciences, p.591-608.

6825 Manevič, S.M.; Sacharnyj, L.V. (Eds.): Problems of subject analysis and the subject catalogue. Orig. ru. Sb.Nauč.Trud. Gos.Publ.Biblioteka im.M.E.Saltykova-Ščedrina Leningrad 1979. 223 p.
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6836 Abstracts of papers presented at the 11th Annual Meeting of the North American Branch (The Classif.Soc.), 1-3 June 1980, Boulder, Colo. Orig. en.
In: Classif.Soc.Bull. 1981 Vol 4, No 4. p.44-73
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6880 Downing, J.C.: Round Table on Classification. Orig. en.
In: IFLA J. 1980 Vol 6, No 3. p.214-215
Meeting in Aug. 1980 at Manila.

6881 ECCSID WG3 Group in Prague. Orig. en.
In: Int.Classif. 1981 Vol 8, No 1. p.32
Report on the meeting Sept.9-11, 1980 in Prague concerned with discussions on the results of preliminary investigations into the compatibility of universal indexing languages, such as the UDC, the MISON Rubircator and the BSO.

6882 International Committee on Computational Linguistics (ICCL): COLING 80. Proc. of the 8th Intern.Conf.on Computational Linguistics, Tokyo, Sept.30 to Oct.4, 1980. Orig. en. Tokyo 1980. 616 p., 50 fig., 30 tabl., 500 refs.
Contains 93 papers arranged in chapters on 'linguistics', 'logic' and 'informatics'.

6883 Endres-Niggemeyer, B.: COLING 1980. 8. Internationale Konferenz über Computerlinguistik in Tokyo. (8th International Conference on Computational Linguistics in Tokyo) Orig. de. In: Nachr.Dok. 1981 Vol 32, No 1. p.44-46
The report covers general information on the conference as well as information on its results concerning computer-supported translation, lexicology, syntactical analysis, data and information processing and text analysis and verbal understanding of visual information.

6884 Hoffmann, L.: Internationales Kolloquium zur Fachsprachenforschung und Fachsprachenlehre unter Berücksichtigung des Spanischen (Saarbrücken, 6.8.Nov.1980). (International Colloquy on Research and Education in Terminology with Special Emphasis on Spanish) Orig. de.
In: Fachsprache 1981 Vol 3, No 1. p.26-29

6885 Biological Nomenclature and Classification Applied to Information Retrieval. Aslib Biological and Agricultural Sciences Group Meeting, London, 11-12 Nov.1980. Orig. en.
In: Aslib Proc. 1981 Vol 33, No 4. p.121-192
Included in this issue of Aslib Proc. are the 13 papers of the meeting mentioned as well as the reports of the separate group meetings during this conference together with recommendations. The papers are abstracted individually in this Classification Literature section.

07 TEXTBOOKS

6886 Aman, M.M. (Ed.): Cataloging and classification of non-Western material: concerns, issues and practices. Orig. en. London: Oryx Press, Mansell 1980. 368 p., ISBN 0-7201-0917-5
Selection of papers with emphasis given to original writings on materials in languages distributed widely in Western libraries.

6887 Davis, C.H.; Rush, J.E.: Guide to information science. Orig. en. Westport, Conn.: Greenwood Press 1979. 305 p., ISBN 0-313-20982-0
In this text one chapter is devoted to indexing and classification.

6888 Manheimer, M.L.: Cataloging and classification. A workbook. 2nd rev.and expand.ed. Orig. en. New York, N.Y.: Dekker 1980. 148 p., Books in Libr.and Inform. Science 30

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Workbook for a course in library cataloguing and classification, mainly concerned with the AACR. Section 4 and 5 introduce into the LCC and the DOC.

6889 Townley, H.M.; Gee, R.D.: Thesaurus-Making: Grow your own word-stock. Orig. en.
London: A.Deutsch 1980. 206 p., £ 7.95, ISBN 0-233-97225-0
Explains the theory behind the compilation of a word-stock and applies these principles to the specific example of a legal thesaurus. Methods of maintenance and updating are discussed as well as the computer application in these processes.

6890 Wynar, B.S.: Introduction to cataloging and classification 6th ed. Orig. en. Littleton, Colo.: Libraries Unlimited 1980. 657 p., ISBN 0-872B7-221-1
Chapters on the DOC and the LCC as well as on LCSH, Sears Subject Headings and cataloguing rules (AACR1 and AACR2).

0B OTHER MONOGRAPHS

6891 Beck, H.: Book review of Alsheimer, R.(Ed.): Bestandserschließung und Bibliotheksstruktur: Rolf Kluth zum 10. Febr.1979 (Analysis of holdings and library structure). Wiesbaden: Harrassowitz 1979. Orig. de.
In: Zbl.f.Bibl.wes. 1980 Vol 94, No 10. p.483-485

6892 Beck, H.: Book review of Dahlberg, I., Dahlberg, W. (Eds.): KLassifikation und Erkenntnis, I, II. Frankfurt:Ges. f.Klassif. 1979. 216+232 p. Orig. de.
In: Zbl.Bibl.wes. 1981 Vol 95, No 3. p.120-124

6893 Düvel, H.: Book review of Alsheimer, R.(Ed.): Bestandserschließung und Bibliotheksstruktur (Analysis of holdings and library structure). Wiesbaden: Harrassowitz 1979. Orig.de
In: Int.Classif. 1981 Vol 8, No 1. p.40-41

6894 Igumnov, J.: Book review of Dahlberg, W.(Ed.): Wissensstrukturen und Ordnungsmuster (Structures of knowledge and patterns of order). Frankfurt: Indeks Verlag 1980. 368 p. Orig. cs. In: Čs.informatika 1981 Vol 23, No 3. p.82-84

6895 Wingert, F.: Book review of Belke,W., Graichen,D.,Starruss,M.: Nichtmetrische Klassifizierung von Informationen. (Non-metric classification of information). Berlin/DDR 1979.
In: Int.Classif. 1981 Vol 8, No 1. p.42. Orig. and Rev. de

6896 Ungvary, R.; Országos Széchényi Könyvtár, Könyvtár-tudományi és Módszertani Központ: Thesaurus-Technology: Methodological guide for the construction of thesauri. Orig. hu. Budapest 1979. 295 p., ISBN 963-201-062-0

1 THEORETICAL FOUNDATIONS OF CLASSIFICATION

12 CONCEPTUAL BASIS OF CLASSIFICATION

6897 Alekceenko, Ju.A.: Object categories as the base for the system of object, structural and functional categories. Orig. ru. In: Sovrem.nauka i nauč.poznanie. Tomsk 1979. p.108-116, 13 refs.
The structural (e.g. relations) and the functional (e.g.properties) laws and categories are called predicative as opposed to the object laws and categories. The discussion leads to the proposal to class basic concepts in various sciences on the basis of independent groups of object and predicative categories.

6898 Brucher, R.T.: Definition: the first step in the thinking, writing process. Orig. en. In: J.Tech.Writing Communic. 1980 Vol 10, No 3. p.249-255, 7 refs.

6899 Dahlberg, I.: Conceptual definitions for Interconcept. Orig. en. In: Int.Classif. 1981 Vol 8, No 1. p.16-22, 8 refs.
An attempt at formulating guidelines for the formation of adequate definitions, here intended for a specific project (Interconcept), but also valid in any other field. The paper sets forth: (1) the aims of Interconcept, (2) criteria for the selection of terms, (3) an identification of relevant definitions (giving a definition of definitions and kinds of definitions and enlarging on the latter as well as an definition intentions and definition rules). In the following it shows how to draft relevant definitions, how to understand concepts and characteristics as well as concept relationshps, and finally how to construct definitions and definitional systems. In conclusion, rules and procedures for entering definitions into a format for lexicographical use and computerization of its elements are given. (Author)

6900 Ködderitzsch, W.: Einheitliche Prinzipien der Begriffssystematisierung in Informationsrecherchesprachen und Terminologiestandards. (Uniform principles in concept systematization of information retrieval languages and terminology standards) Orig. de. In: Informatik 1981 Vol 28, No 1, p.33-36, 20 refs.
Discussion of the state-of-the art of concept systematization as a presupposition for the uniform construction of information retrieval languages and terminological languages.

15 PSYCHOLOGY OF CLASSIFICATION

6901 Zvonkin, A.K.; Frumkina, R.M.: Free classification: behaviour models. Orig. ru.
Naučno-techn.inform.,Ser.2 1980, No 6. p.1-6, 8 refs.
Experiments conducted to answer the question: If several distinct classification options appear equally suitable in terms of logic, then which one will be chosen by the classifier and why?

18 CLASSIFICATION RESEARCH

6902 Wåhlin, E.; FID, Committee on Classification Research (FID/CR): Research on classification systems. Summarizing report on research in classification systems and their application. Orig.en. Bangalore, India 1979. 146 p., FID-Publ.405
Reports on several developments of universal classification systems in recent times and includes the two approaches of the author's own developments since 1949, namely the consideration of different objects of classification and the use of combinations within a universal systems and between a universal and special systems.

6903 Svenonius, E.: Directions for research in indexing, classification, and cataloging. Orig. en. In: Libr.Resources Techn.Serv. 1981 Vol 25, No 1. p.88-103, 48 refs.
This paper speculates on directions for research in the field of bibliographical control, where bibliographical control is taken to include indexing, classification and cataloguing. The approach taken is to consider questions in the field that need answering. The position taken is that while concerns of a how-to-do-it nature drive this field's research, which is of an evaluative or developmental nature, there is a strong need for this research to be backed by basic theoretical research. (Author)

19 HISTORY OF CLASSIFICATION
See also 7016

6904 Gennan, M.: Let us now praise. Orig. en.
In: Amer.Libr. 1980 Vol 11, No 4. p.201-203
Short history on the life and work of A.Panizzi, C.Cutter, S.Lubetzky, H.Bliss, G.Kelley and S.R.Ranganathan.

6905 Barcia Goyanes, J.J.: Los albores del lenguaje anatomico en las lenguas neolatinas: la traduccion del "inventarium" de Guy de Chauliac por Bernat de Cassaldovol. (The beginnings of anatomical terminology in neolatin languages: the translation of the Inventarium of Guy de Chauliac by Bernat de Casaldovol)) Orig. es. In: Med.Esp. 1980 Vol 79, No 467, p.235-249, 47 refs.

6906 Houpt, M.: Classification systems before Dewey. Orig. nl. In: Open 1980 Vol 12, No 6, p.313-319

6907 Wellisch, H.H.: How to make an index - 16th century style: Conrad Gessner on indexes and catalogs. Orig. en.
In: Int.Classif. 1981 Vol 8, No 1, p.10-15, 38 refs.
Conrad Gessner, best known to librarians by his great Bibliotheca universalis included in the second part of this work (a classified subject index entitled Pandectae) detailed instructions on the making of indexes and excerpts for scientific work, including their technical preparation. He also gave advice on the compilation of library catalogs, and listed many indexes to scholarly works known in his time. This is probably the earliest work discussing bibliographic techniques. The article contains a complete translation of the Latin text, and analyzes both the index to the Pandectae and others compiled by Gessner himself to his later scientific works. (Author)

6908 Totok, W.: The ordering of knowledge and the knowledge of ordering between Renaissance and Enlightenment. Orig. en.
In: Int.Classif. 1981 Vol 8, No 1, p.2-9, 21 refs.
This paper relates the concept of knowledge and the knowledge of order as derived from the Aristotelean-Thomistic tradition to the views on forms of knowledge as adhered to by Hobbes, Locke and other authors of the beginning modern era, and, using the classification attempts by Bacon, Descartes, Leibniz, Locke, and Hobbes as examples, it furthermore examines: (1) to what extent the methodological dualism of empiricism and rationalism enters into the classification moments; (2) to what extent classification was furthermore influenced, at the same time, by factors related to the history and organization of science, the sociology of knowledge and the poli-

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tics of society, and (3) what different approaches toward an ordering of knowledge were attempted in an era which determined the further development of science to no mean extent. (acc. Author)

6909 Hawker, P.: Electronic cryptography: codes, ciphers, communications and computers. Orig. en.
In: Wireless World 1980 Vol 86, No 1536, p.44-49, 6 refs.
HIstory of the development of cryptography, methods and machines for coding and decoding.

2 STRUCTURE ANO CONSTRUCTION OF CS

21 GENERAL QUESTIONS OF STRUCTURE
See also 6803, 6823

6910 Kayser, K.; Ramisch, W., Kenne, H.v., Höpker, W.W.: Thesaurus and information. Orig. en. In: Med.Inform. 1980 Vol 5, No 2, p.155-166, 13 refs.
Discussion of the quantitive and semantic kind of information in a thesaurus, thesaurus structures and thesaurus use in medicine.

6912 Rudnicki, P.: Information-logical languages in scientific information. Orig. pl. In: Pr.IINTE 1980, No 29, p.1-39, 20 refs.

6913 Rylova, T.N.: Generative grammar as information language. Orig. ru. In: Technol.programmirovanija. Kiev 1980. p.65-69, 11 refs.
The state of the art in natural language semantic description analysis is presented from the aspect of its application in IR systems. The author proposes to use for an information language some generative semantic-type description which summarizes a number of existing generative grammars and meaning representations employed in IR systems. (Author, abbr.)

6914 Vušča, G.: Infonnation retrieval language for factographical IRS of the object-attribute type. Orig. ru.
In: Naučno-techn.inform.,Ser.2 1981, No 2, p.6-10
Consideration of an IR language of the object-attributive type allowing to describe with sufficient accuracy input information and inquiries from users. (Orig.abstr.,abbr.)

22 ELEMENTS ANO SPECIAL STRUCTURES OF CS

6915 Banerjee, D.N.: Lattice synthesis and lexicon-linkages for keyword identification. Orig. en. In: IASLIC Bull. 1979 Vol 24, No 3, p.101-105

6916 Blois, M.S.; Sherertz, D.O., Tuttle, M.S.: Word and object in disease descriptions. Orig. en.
18th Annual Meeting Assoc.Comput.Linguistics. Conf.Proc., Philadelphia, Pa. 19-22 June 1980. p.149-152

6917 Cahn, D.F.: Computer-aided visualization of database structural relationships. Orig. en. Benefeld, A.R.(Ed.) et al; Communicating information. Proc.43rd ASIS Annual Meeting, Anaheim, CA, 510 Oct.1980. White Plains, N.Y.: Knowledge Industry Publ. 1980. p.358-360, 4 refs.
Examples of data structure representations are presented and their generalizable components are discussed.

6918 Kuznecov, O.A., Kvirtija, L.D.: Content of the conceptual apparatus of scientific vocabulary in information systems and retrieval languages in the field of pedagogics.Orig. ru. In: Inform.-poisk.sistemy v ped.. Moskva 1978. p.5-16
The formation of a new descipline - pedagogical informatics - is proposed and its main concepts are investigated.

23 CONSTRUCTION OF CS
See also 6889, 6896, 6900, 7025

6920 Chozin, N.P.: One approach to the design of information languages for data processing systems. Orig. ru.
Vopr.teorii i metodol.ASOD. Moskva 1979. p.128-130
Presentation of a mathematical model of a data base which is represented by a set of 'layers' characterized by the level of 'formedness'.

6921 Devadason, F.J.; Balasubramanian, V.: Computer generation of thesaurus from structured subject-propositions. Orig. en. In: Inform.Process.Management 1981 Vol 17, No 1, p.1-11
Subject headings are structured according to the postulates and principles for facet analysis as input for thesaurus generation, they are then augmented, coded and input for computer manipulation. Brief description of the system with flowchart, inputs and outputs of the different phases and a sample printout of a model thesaurus generated using test data of about 1500 subject-propositions from Leather Technology. (Authors,abbr.)

6922 Leatherdale, D.; Galrao, M.J.: La construccion de vocabularios controlados. (The construction of controlled vocabularies) Orig. es.
In: Rev.AIBOA 1980 Vol 1, No 1, p.I-16, 12 refs.

6923 Henzler, R.G.: Analytical or algorithmic text processing in literature information systems. Orig. en.
Barber, B.(Ed.) et al; Medical Informatics Berlin 1979. Intern.Conf.on Medical Computing, Berlin 17-20 Sept.1979 Berlin: Springer 1979. p.797-811, 10 refs.
Attempt to generate a thesaurus fully algorithmically based upon interconnections between texts and upon relations corresponding to the classification principles of the subject area.

6924 Mirčev, B.: One problem to be faced in automatic development of a document classification. Orig. ru.
In: Naučno-techn.inform.,Ser.2 1980, No 2, p.31-35, 31 refs.
Oiscussion of two algorithms for developing an automatic document classification, based on the computation of quality functionals, and the procedure of iterative optimisation of these functionals. (Author,abbr.)

6925 Popowska, H.: Construction of thesauri by A.V.Sokolov's method. Orig. pl. In: Aktual.Probl.Inform.Ook. 1979 Vol 24, No 6, p.21-26, 15 refs.

6926 Vasil'eva, E.A.: One stage in the development of a specialised information retrieval thesaurus. Orig. ru.
In: Tr.Leningr.Inst.Kultury 1979, No 47, p.86-93, 12 refs.
Results of an analysis of the subject field 'Power Machine Building' as preliminary step for thesaurus design.

24 RELATIONSHIPS
See also 6835, 6915, 6917, 6945, 6963

6927 Dobronravov, I.S. et al: Syntax as a means of meaning differentiation in documentary IRS with automatic indexing. Orig. ru. In: Naučno-techn.inform.,Ser.2 1981, No 3, p.17-24, 7 refs.

26 NOTATION
See also 6909

6929 Zupan, J.: The Wiswesser line-formula chemical notation to connection tables conversion program Orig.en In: Docum.chem.yugosl. 27(1980)No.2, p.147-160, 7 refs.
Oiscussion of the advantages and limitations of the conversion program in PDP11 FORTRAN.

6930 Tague, J.M.: User-responsive subject control in bibliographic retrieval systems. Orig.en. In: Inform.Processing Management 17(1981)No.3, p.149-159, 8 refs.
A study was carried out of (1) the relationship between the vocabulary of documents relevant to the queries, and (2) the value of adding to the document description record in a retrieval system keywords from previous queries for which the document had proved useful. Two test databases incorporating user query keywords were implemented. Through a number of methods the effect of the added keywords was examined. Results showed the impracticality of the procedure in an operational setting, but indicated the value of analyses with sample data in the development and maintenance of keyword dictionaries and thesauri. (Author,abbr.)

28 COMPATIBILITY AND CONCORDANCES OF CS
See also 6881

6931 Niehoff, R.; Kwasny, S., Walker, A., Wessells, M.; Battelle Columbus Labs.: The design and evaluation of a vocabulary switching system for use in multi-base search environments. Orig. en. Columbus 1980 (various pagings)
Description of the Vocabulary Switching Syste (VSS) which addresses itself to the problem of heterogeneous data base vocabularies and indexes, and how these differences can be neutralized to facilitate multi-base switching. It is an experimental on-line automated switching system which produces semantic, syntactic, and generic relatives to search terms supplied by the user. It is based on existing thesauri or other controlled vocabularies. Discussion of results of 29 experimental stacks.

6932 Delgado, R.R.: La integracion de los lenguajes documentarios, fin de Babel. (The integration of documentation languages: the end of Babel) Orig. es.
In: Rev.Esp.Docum.Cient. 1980 Vol 3, No 4. p.333-340

29 EVALUATION OF CS

6933 Kronz, H.; Grevink, H.: IPC and NACE classification of patents: a comparison between data on U.S. and on French, German and U.K.patents. Orig. en.
In: World Patent Inform. 1980 Vol 2, No 3. p.103-115

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6934 Raitt, D.I.: Recall and precision devices in interactive bibliographic search and retrieval systems. Orig. en. In: Aslib Proc. 1980 Vol 32, No 7/8. p.281-301
Investigation into the extent to and way in which the recall and precision devices are used in the ESAIRS online system for controlled and uncontrolled subject term searching.

6935 Xu, Yi-P.; Terragno, P.J.: The U.S.Patent Classification or the International Patent Classification: which system should the People's Republic of China adopt?. Orig. en. In: World Patent Information 1980 Vol 2, No 3, p.125-131

6936 Williamson, N.J.: An experiment in classification: based on William Goffman's 'indirect method' of information retrieval. Orig. en. In: Cat.Classif.Quarterly 1980 Vol 1, No 1, p.3-21, 31 refs.
W.Goffman's 'indirect method' is concerned with an association of documents as opposed to an association of terms. Given a query and a set of documents relevant to the query, then a relationship among the documents exists such that by retrieving one of the documents from the set, it would be possible to retrieve all other documents belonging to that set. The investigation searched for the answer to the following three questions: What are the subject characteristics of the document classes retrieved through Goffman's method? How are these document classes similar to or different from the ones obtained when a faceted classification system is used? What are the characteristics of the clusters of terms which interrelate a definable class of documents? The methodology of the investigation is described and the results are analysed.

3 CLASSING AND INDEXING (METHODOLOGY)

31 THEORY OF CLASSING AND INDEXING

6937 Janke, R.V.: Time for an alternative (for subject headings)?. Orig. en. In: Ontario Libr.Rev. 1979, No 63, p.200-205

6938 Wellisch, H.H.: Book review of Knight,N.G.: Indexing, the art of: A guide to the indexing of books and periodicals. London: Allen & Unwin 1979. Orig. en.
In: Libr.Quarterly 1981 Vol 51, No 2, p.110-112

6939 Wheatley, A.: Future developments in indexing and indexes. Orig. en. In: Aslib/IIS/LA Joint Conf. The Nationwide Provision and Use of Information. London: Library Assoc. 1981. p.307-316

32 SUBJECT ANALYSIS
See also 6825-6835

6940 Blanuca, V.I.: Identification of the most informative characteristics for the automatic classification of geographical objects. Orig. ru. In: Izvest.Akad.Nauk SSSR, Ser. geogr. 1980, No 4. p.83-88, 10 refs.
The problem of selection of characteristics is analysed with the help of mathematical methods.

6941 Harris, J.L.M.; Clack, D.H.: Treatment of people and peoples in subject analysis. Orig. en. In: Libr.Resources Techn.Serv. 1979 Vol 23, p.374-390
There is a comment (letter) on this subject by M.K.Pietris in Libr.Resources Techn.Serv.24(1980)No.3, p.294-5

6942 Martinsson, A.: The abstracts of journal articles - a complement to the title. Orig. sv. In: Nord.Tidskr.Bok.Biblioteksvas. 1980 Vol 67, No 3, p.65-70, 13 refs.

6943 Moeller, B.A.: Subject analysis in the library. A comparative study. Orig. en. In: Int.Classif. 1981 Vol 8, No 1. p.23-27, 7 refs.
A comparison of 180 monographs classified in the State Library of Aarhus and by the BNB was made. The total structure of the two codes caused different interpretations of the topic of a book. The predominance of individuality, matter and process before discipline in the State Library is shown to derive ultimately from Wilhelm Wundt, whose views of the classification of the sciences liberate practical activities and the needs of practical librarianship from academic disciplines. (Author)

6944 Weidemüller, H.U.: Bibliodata in der Sacherschliessung. (Bibliodata in subject-cataloguing) Orig. de. In: Z.Bibl.wes. Bibliogr. 1980 Vol 27, No 2, p.117-124, 10 refs.
Description of the online retrieval system (Bibliodata) of the Deutsche Bibliothek (German Library), Frankfurt with access to the entries into the Deutsche Bibliographie, Series A and B since 1966. Bibliodata is also used in the current subject cataloguing process.

33 CLASSING AND INDEXING TECHNIQUES

6945 Farradane, J.: Relational indexing, Pt.1 and 2. Orig. en. In: J.Inform.Sci. 1980 Vol 1, No 5, p.267-276 and in No. 6, p.313-324
Description of the author's 'relational indexing' method. A severe criticism of the viability of the procedures for a consistent and automatic derivation of the indexing products has been made by G.Salton in Comp.Rev. 22(1981)No.1, p.22-23.

6946 Hattery, M.: SPINDEX. Orig. en. In: Inform.Retrieval Libr.Autom. 1980 Vol 15, No 9, p.1-3
Treats Selective Permutation INDEXing, which was developed for archive materials at the National Archives and Records Service.

34 AUTOMATIC INDEXING
See also 6927

6947 Buchaleva, E.I.; Zajdenman, I.Ja., Stroganova, I.Ja.: Lexico-semantic analysis of the theme using formal rules. Orig. ru. In: Naučno-techn.inform.,Ser.2 1980, No 6, p.20-23, 9 refs.
Description of the methods of formal choice of the name of a taxon and its attributive description. (Orig.abstr.abbr.)

6948 Dabrowski, M. et al: A system for processing of text complex terms. Orig. ru. In: Naučno-techn.inform.,Ser.2 1980, No 12, p.21-24
Description of an automatic excerption system of complex terms from texts on mathematical logic, especially the stages of morphological and vocabulary analysis, expression generation, syntactical synthesis and morphological synthesis.

6949 Dietze, J.: Probleme der rechnergestützten Klassifizierung (Clusteranalyse). (Problems of automatic classification (cluster analysis)) Orig. de. In: Dokum./Inform.INER, Ilmenau, DDR 1979, No 45. p.146-151, 4 refs.

6950 Leclercq, H.: Transcription, translittération et indexation-machine. (Transcription, transliteration and automatic indexing) Orig. fr. In: Int.Classif. 1981 Vol 8, No 1, p.29-31, 2 refs.
Points to the necessity of proper machine-transcription in automatic indexing.

6951 Rybakov, F.I.; Rudnev, E.A., Petuchov, V.A.: Automatic natural language indexing. Orig. ru. Moskva: Energija 1980. 160 p.

6952 Salton, G.; Wu, H., Yu, C.T.: The measurement of term importance in automatic indexing. Orig. en. In: J.ASIS 1981 Vol 32, No 3, p.175-186, 18 refs.
Recently automatic indexing theories have been devised that use not only the term frequency characteristics but also the relevance properties of the terms. Methods are suggested for estimating the relevance properties of the terms based on their overall occurrence characteristics in the collection. (Authors, abbr.)

6953 Willett, P.: A fast procedure for the calculation of similarity coefficients in automatic classification. Orig. en. In: Inform.Process.Management 1981 Vol 17, No 2, p.53-60, 8 refs.
Description of a fast algorithm for comparing the lists of terms representing documents in automatic classification experiments. The speed of the procedure arises from the fact that all of the non-zero-valued coefficients for a given document are identified together, using an inverted file to the terms in the document collection. (Author,abbr.)

35 MANUAL AND AUTOMATIC ORDERING

6954 Kulebjakin, A.Z.; Kiulo, E.V.: Organization of the distributed data base of an information network. Orig. ru. In: Naučno-techn.inform.,Ser.2 1980, No 12. p.11-13, 4 refs.

6955 Willett, P.: Document clustering using an inverted file approach. Orig.en. J.Inform.Sci. 1980 Vol 2, No 5, p.223-232
Presentation of an approach to the construction of a one-level classification by a real location strategy aimed at overcoming some of the defects of earlier experiments.

6956 Richter, G.: Utilization of data access and manipulation in conceptual schema definitions. Orig. en. In: Inform.Process.Management 1981 Vol 6, No 1, p.53-71

36 CODING

6957 Gombosi, M.: Theoretical principles of coding and its application in information practice. Orig. hu. OMKDK: Tudom.Tajekoz., Elmel.Gyakorl. 1980, No 25. 65 p.

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6958 Haag, R. et al; Intern.Dokumentationsges.Chemie (IDC): Nutzung von Daten des Chemical Abstracts Service (CAS) - Maschinelle Codierung von Sachverhalten. (Utilization of data of the Chemical Abstracts Service -the machine coding of subjects) Orig. de. Frankfurt (Main) 1980. 164 p., 18 refs., BMFT-FB-ID 80-016
The methodology utilizes a relatively simple process of text-analysis the results of which are kept in a kind of standardized way. On this basis the GREMAS terms are generated with the help of a bilingual coding dictionary and a collection of syntactic-semantic rules (GREMAS-Grammar). (Author, abbr.)

37 RECLASSIFICATION

6959 Muhl, E.; Jarosch, D.: Umarbeitung auf KAB/K. (Conversion to the classification system KAB/K) Orig. de.
In: Bibliothekar 1980, No 9. p.418-419
Description of the work-flow of this reclassification procedure.

38 INDEX GENERATION PROGRAMMING

6960 Inbal, M.: A simple algorithm for a computerized cyclic index. Orig.he. In: Bull.Israel Soc.of Spec.Libr. 1980, No 1, p.9-14
Description of the computerized cyclic index as used at the information center of the Mabat-Israel Aircraft Industries and the algorithm of its production.

39 EVALUATION OF INDEXING

6961 Burress, E.P.; Defense Technical Information Center: Retrieval performance of a KWOC index to the 1498 work unit summary data base. Orig.en. Alexandria, Va 1979. DTIC/TR-79-2

6962 Rolling, L.: Indexing consistency, quality and efficiency. Orig. en. In: Inform.Process.Management 1981 Vol 17, No 2, p.69-76, 2 refs.
Indexing quality determines whether the information content of an indexed document is accurately represented. Indexing effectiveness measures whether an indexed document is correctly retrieved every time it is relevant to a query. Measurement of these criteria is cumbersome and costly; data base producers therefore prefer inter-indexer consistency as a measure of indexing quality or effectiveness. The present article assesses the validity of this substitution in various environments. (Author)

6963 Farradane, J.; Thompson, D.: The testing of relational indexing procedures by diagnostic computer programs. Orig.en
In: J.Inform.Sci. 1980 Vol 2, No 6. p.285-297, 3 refs.
Description of the details of the programming and discussion of some initial results with respect to strenths and possible weaknesses of the system. (Authors, abbr.)

4 ON UNIVERSAL SYSTEMS

42 ON THE UDC
See also 6902

6964 Fédération Internationale de Documentation (FID): Principles of the Universal Decimal Classification (UDC) and rules for its revision and publication. (Title also in French and German). Orig. en; fr; de. 5th ed. s'Gravenhage 1981. 35 p., 25 hfl, ISBN 92-66-00598-3, FID-Publ.598
This threelingual publication supersedes FID 429 of 1968 and its predecessors. The 10 chapters cover: 1. General description, 2. Structure and notation, 3. Central management of the UDC, 4. General principles for UDC revision and development, 5. Procedure for preparation and submission of revision proposals, 6. Treatment of UDC revision proposals before publication, 7. Publication of proposals and editorial corrections, 8. Primary authority for the UDC, 9. Authorized UDC editions and other UDC publications, 10. Copyright and royalties.

6965 Rigby, M.; Fédération Internationale de Documentation (FID): Automation and the UDC, 1948-1980. 2nd ed. Orig. en. s'Gravenhage 1981. 160 p.
Attempt to update the 1974 report "Computers and the UDC" under a new title. It contains nearly double the number of literature references and several indexes which give references to bibliographic entries and page numbers in the text as well as in the bibliography. The material is from over 30 countries and involves 20 new systems or developments since 1974.

6966 Edwards, P.I.: The UDC and a botanical collection with special reference to the Botanical Library, British Museum (Natural History). Orig. en. In: Aslib Proc. 1981 Vol 33, No 4, p.172-176, 10 refs.
Short survey on the treatment of botany in the LCC and DOC and reasons for using the UDC for the collection mentioned.

6967 Eresund, B.: Reduced UDC for the coordinate classing of building literature. Orig. sv. In: Tidskr.Dok. 1979 Vol 35, No 6, p.127-130
A balanced selection of only 250 main numbers was found workable at the level of extracting about 10 references out of every 10 000 provided that coordinate search formulas are used. (Author,abbr.)

6968 Hindson, R.: Universal decimals. Orig. en. In: Libr. Assoc.Record 1980 Vol 82, No 7. p.324

6969 Hindson, R.: UDC in the UK: a report on the 1979/1980 survey. Orig. en. In: Aslib Proc. 1981 Vol 33, No 3, p.93-101
Reports on the why and how of the survey and on the results and conclusions. There are 640 declared users of the UDC out of a total of 2895 libraries and information services in the U.K.

6970 Ludvik, S.: A new edition of the Slovenian translation of the UDC. Orig. sn. In: Nova proizv. 1979, No 30, p.167-168

6971 Meink, P.; Schmidt, A.F.: DK-Entwicklungspläne im Rahmen des FID Medium Term Programme (MTP) 1981-1984. (UDC development plans in the frame of the FID Medium Term Programme) Orig. de. In: DK-Mitt. 1981 Vol 25, No 2. p.5-8
Presentation of subject-oriented actions in the form of a table with indications of year of project, funds, results and methods of work.

6972 Tager, M.; Pardo, H.: Who is afraid of changes in the UDC ? Orig. he. In: Bull.Israel Soc.of Spec.Libr. 1980, No 1, p.5-8
Description of the reclassification of parts of a library according to revised schedules of the UDC.

6973 Terzic, D.: Perspectives of the Universal Decimal Classification. Orig.sh. In: Nauč.-techn.pregl.VTI 1980 Vol 30, No 1, p.52-56, 19 refs.
Summarization of current state and recent trends in UDC improvement, especially with regard to a UDC thesaurus.

43 ON THE DOC
See also 6993

6974 Berman, S.: DDC 19: an indictment. Orig. en.
In: Libr.J. 1980 Vol 105, No 5, p.585-589

6975 Bertrand, L.; Klatt, J.: Mutant Melvil ameliorates media skills. Orig. en. In: Wisconsin Libr.Bull. 1979, No 75, p.71-73

6976 Bicalho, M.D.: Plant diseases and pests in the Dewey classification analysis and expansion. Orig. pt.
In: Rev.AIBDA 1980 Vol 1, No 1. p.33-52, 53 refs.
Criticism on the state of development of agriculture in the DOC. Defects under 632 in the 16th-18th editions are used as examples to illustrate this state. An expansion is proposed.

6977 Cockshutt, M.E.: Annual report of the Decimal Classification Editorial Policy Committee, July 1,1979-June 30, 1980. Orig. en. In: Libr.Resources Techn.Serv. 1981 Vol 25, No 1, p.123-124

6978 Duckett, R.J.: Philosophy and religion in Dewey 19. Orig. en. In: Bull.Assoc.Brit.Theolog.Philosoph.Libr. 1980, No 18, p.12-16
Points out that the schedule for philosophy in DOC 19 is still inadequate. Modifications in Religion are small.

6979 Fea, V.; Mintowt-Czyz, L.; Witshire Library and Museum Servie: Subject index: a guide to finding information in a library based on the Dewey Decimal Classification. 2nd ed. Orig. en. Trowbridge, England 1979. 71 p., ISBN 0-86080-05-0.

6980 Gamaluddin, A.F.: Dewey Decimal Classification: a quagmire. Orig. en. In: School Libr.J. 1980 Vol 26, No 8, p.32-35
Investigation about the use of DOC and LCC in 1000 school libraries in Pennsylvania. DOC seemed to be firmly entrenched. Its usefulness is questioned though and the use and teaching of LCC is advocated.

6982 New, G.: Dewey Decimal Classification, edition 19. (Conference New York, 1980). Orig. en. In: Libr.Congr.Inform. Bull. 1980, No 39, p.319-320

6983 Satyanarayana, N.R.; Chandel, A.S.: 19th edition of Dewey Decimal Classification. Some observations. Orig. en.
In: Herald Libr.Sci. 1980 Vol 19, No 3. p.208-211
This review article treats, among others, the significant changes, valuable features, relocations, Phoenix schedules and tables, international utility and the future of the DOC.

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6984 Sweeney, R.: Book review of Dewey Decimal Classification 19th ed. B.Custer (Ed.), Albany, N.Y.: Forest Press 1979. Vols. 1-3. Orig. en. In: Cat.Classif.Quarterly 1980 Vol 1, No 1. p.91-96

6985 U.K. libraries get aid in AACR2 and DC 19. Orig. en. In: Libr.J. 1980 Vol 105, S 1. p.1697

44 ON THE LCC AND LC SUBJECT HEADINGS

6986 Lang, J.P.: Your Search Key to Library of Congress Classification, Vol. 1 and 2. Orig. en. Bronx, N.Y.: Fordham Publ. 1979. = Library Instruction Program 4.

6987 Wade,H.H.; Hyatt,D.: Considerations for the social sciences librarian using Library of Congress Class K (Law) schedules. Orig.en. In: Behav.Soc.Sci.Libr. 1979 Vol 1, No 1, p.47-51, 4 refs.

6988 Conklin, C.E.; Brigham Young University, Law Library: Library of Congress subject headings - KF cross reference. Orig.en. Provo, Utah 1979. 215 p. = BYU Legal Res.Ser.No.5

6989 Gorman, M.: How the machine may yet save the LCSH. Orig. en. In: Amer.Libr. 1980 Vol 11, No 9. p.557-558

6991 McKinlay, J.: List of Australian subject headings. Orig. en. In: Incite 1980 Vol 1, No 13, p.2
Contains comments on LASH.

6992 O'Neill, E.T.; Aluri, R.: Library of Congress Subject Heading patterns in OCLC monographic records. Orig.en. In: Libr.Resourc.Techn.Serv. 1981 Vol 25, No 1, p.63-80, 27 refs.
This investigation examined the characteristics of subject headings found in OCLC cataloguing records. The study analyzed a sample of 33 455 monographic records taken from the OCLC data base. The sample contained a total of 50 213 subject headings. (Authors, abbr.)

6993 Library marks 50 years of LC/Dewey cooperation. Orig. en. In: Libr.Congr.Inform.Bull. July 11, p.243

45 ON THE BLISS CLASSIFICATION

6994 Campbell, D.J.: A summary of, and published comments on, the 2nd ed of the Bibliographic Classification. Orig. en. In: Bliss Classif.Bull. 1980 Vol 6, No 1, p.18-30

6995 Weintraub, O.K.: Book review of Maltby, A., Gill, L.: The Case for Bliss. London-New York-MUnchen: K.G.Saur 1979. 142 p. Orig.en. Libr.Quarterly 1981 Vol 51, No 2, p.133-134

47 ON THE LIBRARY-BIBLIOGRAPHICAL CLASSIFICATION (LBC)
See also 7137

6996 Fröschner, G.: Problems in introducing the Library-Bibliographical Classification (ru). Moskva: Gos.biblioteka SSSR im.V.I.Lenina Vol.5(1976)78 p., Vol.6(1977)77 p. Orig. de. In: Zbl.Bibl.wes. 1980 Vol 94, No 10. p.481-483

6997 Goltvinskaja, T.; Danilova, O.: General methodology of classification by the LBC. Orig. ru. In: Bibliotekar' 1980, No 2, p.58-59

6998 Nikitina, S.E., Jakušina, L.S.: A note on the optimisation of LBC Sh 11 "Applied Linguistics". Orig. ru.
In: Probl.vnedrenija BBK. Moskva 1979. p.63-63, 3 refs.
Discussion of the problems involved in classifying linguistics and presentation of the text of the extensions and corrections to this class.

6999 Perevoščikova, L.M.: Compiling extensions and corrections to the LBC V3 "Physics" schedules at the P.N.Lebedev Physical Institute, USSR Academy of Sciences. Orig. ru.
In: Sb.nauč.tr./Biblioteki AN SSSR i AN sojuzn.resp. 1979, No 2, p.65-88, 17 refs.
The library holds some 400 000 volumes to which 12 000 titles are added annually. The LBC schedules used for the classed catalog had to be extended in 9 physics areas by 400 new subject headings.

7000 Žuržalina, N.P.; Fadičeva, E.N., Chandžjan, I.G.: The development of the theory and practice of the Soviet Library Bibliographical Classification (LBC). Orig. ru. Tr./GBL 1980, No 16, p.67-105, 109 refs.

48 ON OTHER UNIVERSAL CS
See also 6933, 6935, 7139

7001 Birjukoz, V.I.: Experience in the use of the International Patent Classification. Orig. ru. In: Naučno-techn.inform.,Ser.1 1980, No 10, p.16-18

7002 Taube, U.F.: Die Internationale Patentklassifikation (IPC) und ihre Anwendung in der Bibliothek des Deutschen Patentamtes. (The International Patent Classification and its use in the German Patent Office library) Orig. de. In: Bibliotheksforum Bayern 1979 Vol 7, No 3, p.179-206, 25 refs.
Survey on the history and the features of the IPC.

7003 Ellmann, D.: Der Rubrikator des Internationalen Systems für Wissenschaftliche und Technische Information. (The classification system of the International System for Scientific and Technical Information) Orig. de. In: Informatik 28 Vol 1, p.18-22, 14 refs.
At the occasion of the appearance of a German translation of this ISWTI-Rubricator or classification system the following topics are treated: Development, principles of construction, contents and presentation, position and function within the complex of retrieval languages, principles of application and guidance and further development of this system.

7004 Scibor, E.: Polish Thematical Classification - an indexing language for SINTO. Orig. pl. In: Aktual.Probl.Inform. Dok. 1980 Vol 25, No 2, p.5-10, 13 refs.
Description of a Polish Thematical Classification as an umbrella indexing language for SINTO.

5 ON SPECIAL OBJECTS CS

51 NUMERICAL TAXONOMY
See also 6688, 6689, 6836-6879, 6895, 6949, 6953

7005 Raghavan, V.V.; Birchard, K.: A clustering strategy based on a formalism of the reproductive process in natural systems. Orig.en. In: SIGIR Forum 1979 Vol 14, No 2, p.10-22, 12 refs.

7006 Bock, H.H.: Book review of Formann,A.K., Mazanel, J.A., Oberhauser, O.C.: Numerische Klassifikationsprobleme in 'großen' Datensätzen der demoskopischen Marktforschung (Problems of numerical classification in large data sets for demoscopic marketing studies). (de) Wien 1979. Orig. en. In: Int.Classif. 1981 Vol 8, No 1, p.41-42

7007 Krauth, J.: Book review of Eckes, Th., Rossbach, H.: Clusteranalysen. Stuttgart etc.1980. Orig.en. In: Int.Classif. 1980 Vol 8, No 1, p.43

7008 Moss, W.W.; Hansell, R.I.C.: Subjective classification: the effects of character weighting on decision space. Orig. en. In: Classif.Soc.Bull. 1980 Vol 4, No 4. p.2-6, 7 refs.
The process of intuitive classification is compared with computer based methods which give equal weight to taxonomic characters. When compared with numerical procedures, classical intuitive methods make similar objects yet more similar and distant objects more dissimilar. Individual difference scaling showed that intuitive classifications were based on a subjective weighting of characters. This weighting, a component of classical intuitive taxonomy, may induce a warping of the taxonomic decision space in such a way that the sorting of objects to clusters is facilitated. (Author)

7009 Murty, N.M.; Krishna, G.: A computationally efficient technique for data-clustering. Orig. en. In: Pattern Recogn. 1980 Vol 12, No 3. p.153-158
The technique is based on multilevel theory. The data set is divided randomly into a number of partitions. The samples of each such partition are clustered separately using hierarchical agglomerative clustering algorithm to form sub-clusters. These are merged at higher levels to get the final classification. The advantages of this algorithm are short run time and small storage requirements. (Author,abbr.)

7010 Payne, R.W.: Alternative characters in identification keys. In: Classif.Soc.Bull.1980 Vol 4, No 4, p.16-21, 9 refs.
Methods of key construction that encourage the use of characters with alternatives earlier in the key are described, also criteria for deciding which alternatives to include in a key if many are available. (Author, abbr.)

7011 Rasch,D.: Book review of Bock,H.H.(Ed.): Klassifikation und Erkenntnis III: Numerische Klassifikation (Classification and Cognition III: Numerical Classification).(de) Frankfurt: Ges.f.Klassifikation 1979. 174 p. Orig. de. In: Biometrics 1981, March, p.199-200

7012 Schader, M.: Book review of Illig,A.: Konkurrenzanalyse mit Hilfe multivariater Klassifikation (Competitor-analysis with the aid of multivariate classification) (de). Frankfurt 1980. Orig. de. In: Intern.Classif. 1981 Vol 8, No 1. p.43-44

7013 Sneath, P.H.A.: The probability that distinct clusters will be unrecognized in low dimensional ordinations. Orig. en. In: Classif.Soc.Bull. 1981 Vol 4, No 4, p.22-43, 14 refs.

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7014 Strahler, A.H.: The use of prior probabilities in maximum likelihood classification of remotely sensed data. Orig. en. In: Remote Sens.Environ. 1980 Vol 10, No 2, p.135-163

7015 Wickmann, D.: An automatic analysis of semantic relationship between words in texts: factor or cluster analysis - what fits best? Orig. en. In: ALLC Bull. 1980 Vol 8, No 2, p.152-164
Comparison of two different means of analyzing semantic relationships of words in texts. A factor analysis is shown to provide a better classification than a hierarchical cluster analysis.

53 ON TAXONOMIES FOR AREA 3

7016 DeVorkin, D.H.: Community and spectral classification in astrophysics: the acceptance of E.C.Pickering's System in 1910. Orig.en. In: ISIS 1981 Vol 72, No 261, p.29-49, 47 refs
Traces the history of spectral classification of stars from Kirchhoff (in 1859) up to 1913, when a consensus was reached at the Bonn meetings of the Solar Union.

54 ON TAXONOMIES FOR AREA 4

7017 Fidler, S.J.: Classification of viruses for information retrieval. Orig. en. In: Aslib Proc. 1981 Vol 33, No 4, p.141-142, 6 refs.
A computer file, which may be consulted and updated online, has been compiled of all plant and animal viruses at present recognized. The data is arranged according to type of nucleic acid present and method of replication (Baltimore classification). An alphabetic list gives family, subgroup, etc. together with synonyms. A coded subset of viruses of veterinary importance is being devised for use in diagnostic surveys. The file is being incorporated with an 'in-house' current awareness system thesaurus.

7018 Heywood, V.H.: The plant kingdom. Orig. en. In: Aslib Proc. 1981 Vol 33, No 4. p.121-128, 25 refs.
Survey on the history of scientific taxonomy and nomenclature of plants, the components of taxonomies (taxonomic data), compilations of data of systematic botany and the possibilities of using EDP in this field. A general standardized taxonomic IS&R system for plants does not as yet exist, however, recently the European Science Foundation included a project for the establishment of a European Taxonomic Floristic and Biosystematic Documentation System in its "Additional Activity for Taxonomy".

7019 Hill, L.R.: Bacteria. Orig. en. In: Aslib Proc. 1981 Vol 33, No 4, p.137-140, 11 refs.
Pinpoints the constraints of bacteriological taxonomy and nomenclature and describes in short its history up to the present time, when in 1980 it has made a new start with the publication of the "Approved List of Bacterial Names" published by the International Committee for Systematic Bacteriology (ICSB).

7020 Meikle, R.D.: Cultivated plants. Orig. en. In: Aslib Proc. 1981 Vol 33, No 4, p.129-132
Survey on and description of dictionaries and nomenclatures of cultivated plants.

7021 Nye, I.W.B.: Zoological nomenclature and taxonomy. Orig. en. Aslib Proc. 1981 Vol 33, No 4, p.133-136, 8 refs.
Zoological nomenclature has to cope with some 800 000 known species of insects, 8000 species of birds, 4000 species of mammals, etc. The structure and underlying principles of the International Code of Zoological Nomenclature administered by the International Commission on Zoological Nomenclature (ICZN) are explained.

7022 Parker, A.H.: Problems of standardization in the CAB database: biological nomenclature with special reference to entomology. Orig. en. In: Aslib Proc. 1981 Vol 33, No 4, p.149-152
The Commonwealth Agricultural Bureaux (CAB) is an organization comprising 14 Institutes and Bureaux, all but one are based in the UK. It includes the Commonwealth Institute of Entomology (CIE), of which the insect identification and taxonomic services are based in the British Museum (Natural History). Problems of standardization of entomological names and of other entries in CIE are treated as well as standardization throughout CAB and as a guide to users.

7023 Zipf, E.M.: Impact of changes in biological classification on Biological Abstracts. Orig. en. In: Aslib Proc. 1981 Vol 33, No 4, p.143-148, 5 refs.
Report on the fact that and the way how changes in biological taxonomy are taken care of by the Biosciences Information Service (BIOSIS) existing since 1926. Its Biological Abstracts, containing 1981 some 170 000 informative abstracts are grouped under eighty-four alphabetically arranged section headings. Each issue includes five computer-generated indexes one of which is a biosystematic one, listing items under broad taxonomic categories. Another is a "generic" one, giving genus-species names. In addition to this the database comprises also the entries from Biol.Abstr./RRM (Reports, Reviews, and Meetings) with altogether 130 000 items. Through the Generic Index of 1974-1980 a grand total of 1 337 759 taxonomix entries were listed.

6 ON SPECIAL SUBJECT CS

61 ON CS FOR MATHEMATICS AND AREA 1 FIELDS

7024 Rudnicki, P.: Die Anwendung der Sprache MIZAR für die wissenschaftliche Information. (Use of the MIZAR language in scientific information work) Orig. de. In: Dok./Inform.(INER) Ilmenau/DDR 1979, No 45, p.154-171, 6 refs.
MIZAR is a logical information lanuguage designed for a description of mathematical texts. Report on current work.

7025 Dextre, S.G.; Clarke, T.M.: A system for machine-aided thesaurus construction. Orig. en. In: Aslib Proc. 1981 Vol 33, No 3, p.102-112, 7 refs.
Description of the socalled ROOT Thesaurus of the British Standards Institution (BSI) which has been developed as a comprehensive indexing and searching tool for technological applications and as a labour-saving device in the construction of further thesauri. The ROOT database is held in the same order as the subject display, as a series of numered records each containing any number of lines.

62 ON CS FOR PHYSICS ANO CHEMISTRY (INCL.ELECTR.)

7026 Schulz, K.-P.: Syntax und Semantik der physikalischen Formelsprache - Streiflichter aus der Normungsarbeit des AEF. (Syntax and semantics of formula language in physics - some information on the standardization work of the Committeeon Units and Formulas) Orig. de. In: DIN-Mitt. 1981 Vol 60, No 7, p.395-400

7027 Miščenko, G.L.; Gladkova, G.I.: On the search of compound classes with the aid of an IR language: empirical formulas of compound bonds. Orig. ru. In: Naučno-techn.inform.,Ser.2 1980, No 12. p.14-17, 10 refs.

7028 Rowell, U.H.: A study of the GeoRef Indexing Language: its relationship to natural languages and its performance as a search language In: Collection Development in Geoscience Libraries. Geoscience Information Society Meeting No.14, 1979 San Diego, CA Geoscience Inform.Soc. 1980. p.95-106, 16 refs.

7029 Singh, S.V.: The problems of classification in meteorology and climatology. Orig. en. In: Classif.Soc.Bull. 1980 Vol 4, No 4, p.10-15, 15 refs.
Brief description of the purpose of classification of the main areas of meteorology and climatology and enumeration and evaluation of techniques employed as well as consideration of future prospects.

64 ON CS IN THE BIO-AREA
See also 6687, 6774-6780

7030 Dron, E.M.: Taxonomy and the Science Reference Library Classification. Orig. en. In: Aslib Proc. 1981 Vol 33, No 4, p.182-188, 11 refs.
Description of the classification system used for shelving in the library mentioned. The scheme was developed during the middle of the 1960s. Its four aims are listed.

7031 FitzGerald, S.M.D.: Names of living organisms in a thesaurus on animal health and hygiene. Orig. en. In: Aslib Proc. 1981 Vol 33, No 4, p.160-164
For reasons of greater flexibility and accessibility the thesaurus of the Library of the Ministry of Agriculture, Fisheries and Food at Tolworth, England uses - for their services to other institutions - a combination of Latin with common names wherever possible.

7032 Mills, J.: The classification of biological literature. Orig. en. Aslib Proc. 1981 Vol 33, No 4. p.165-171, 2 refs.
Based on the principles of faceted classification, design steps and procedures for constructing a classification system of biology are outlined and a first rough outline of the relevant facets is given. The principles of citation order and filing order are stressed as well, especially the former's significance for documentary classification.

7033 Nocetti, M.A.: Agricultural soil science in universal classification systems: a comparative analysis. Orig. pt. In: Rev.AIBDA 1980 Vol 1, No 1. p.17-32, 21 refs.
Translation of a paper published in Int.Classif.5(1978)No.1

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65 ON CS IN THE HUMAN AREA (5)
See also 6828, 6832, 6911, 6916, 6918, 7138

7034 Sabova, A.; Popova, N., Petkov, P.: Linguistic problems in the development of a thesaurus in Social Hygiene and Health Service Organisation. Orig. bg. In: 1 Nauč.konf.po probl.na nauč.med.inform.. Sofija 1979?. p.119-123

7035 Norris, C.: MeSH - the subject heading approach. Orig. en. In: Aslib Proc. 1981 Vol 33, No 4, p.153-159, 5 refs.
Provides a survey on the features of MeSH (Medical Subject Headings) used by Index Medicus and MEDLARS and shows in particular how the problems of taxonomy of bacteria, viruses, animals and plants is handled in MEDLARS and for MEDLINE.

7036 Glanville, W.J.: A classification for medical and veterinary libraries by C.C.Barnard. Orig. en. In: Aslib Proc. 1981 Vol 33, No 4, p.177-181
The primary arrangement of this classification, which was based on the library holdings of the London School of Hygiene and Tropical Medicine (1st ed 1936) is aetiological. Its history and present improvements for a third edition are outlined in short.

7037 Blehova, E.: Descriptor thesaurus for the automated health information system Bibliographia medica Cechoslovaca. Orig. cs. In: Zdrav.dok. 1979 Vol 18, No 3-4. p.241-242
The thesaurus comprises some 7000 descriptors and is based on the 1977 Medical Subject Headings of MEDLARS.

7038 Solov'eva, A.A.; Suvalova, I.E., Dubynina, E.I.: The MEDINFORM subject authority and its improvement. Orig. ru. In: Naučno-techn.inform.,Ser.1 1980, No 5, p.25
MEDINFORM's main classificatory language is an IR subject headings list for medicine and health care. The list is being constantly improved from comments and proposals coming from medico-scientific information centres in the socialist countries and research institutes in the USSR. This promotes the system's improved efficiency. (Authors)

7039 Kvirtija, L.D. et al: A pedagogical dictionary of associative-correlative indexes as a linguistic base for compiling a descriptor vocabulary and a thesaurus: some work experience. Orig. ru. In: Inform.-poisk.sistemy v ped. Moskva 1978. p.47-52
Description of the compilation of the pedagogical dictionary of associative-correlative indexes.

7040 Skol'nik, L.S.; Sorokin, Ju.A., Tarasov, B.F.: Towards the problem of semantic definiteness of an indexing language in pedagogics. Orig. ru. In: Inform.poisk.sistemy v ped.. Moskva 1978. p.62-72

7041 Chien-Chang, L.: Critical study of the principal classification systems existing in education. Orig. ch.
In: J.Libr.Inform.Sci.USA/Taiwan 1980 Vol 6, No 1, p.90-106
The DOC, UDC and LCC are examined for their characteristics, advantages and inconveniences in each case. The classification of Liu is presented for Chinese works.

66 ON CS IN THE SOCIO-AREA (6)
See also 6827

7043 Brown, Ch.: Computerizing the regulations: finding all the regulations that apply automatically. Orig. en. Government Executive 1980, July, p.20-21
The Code of Federal Regulations (CFR) comprising some 85 000 pages in over 100 subject areas has been analysed and a thesaurus of some 20 000 terms including geographic ones was produced.

7044 Wood, Ph.H.N.: Appreciating the consequences of disease: The International Classification of Impairments, Disabilities and Handicaps. Orig. en. In: WHO Chronicle 1980 Vol 34, No 10, p.376-380

7045 Mattscheck, B.: Development of a subject index in forensic psychiatry. Orig. en. In: Behav.Soc.Sci.Libr. 1979 Vol 1, No 2, p.113-115
Work done at the Samuel Bellet Library, Hospital of Pennsylvania University.

67 ON CS IN THE ECONOMICS AND TECHNOLOGY AREA (7)

7046 Morrison, A.: Existing and improved road classifications for British road maps, related to the speed of traffic. Orig.en. In: Cartogr.J. 1980 Vol 17, No 2, p.111-123, 8 refs.

7047 Mankevič, I.A.: Development of facet-block thesauri in Water Transport. Orig. ru. In: Tr./Leningr.Institut Kul'tury. 1979, No 47, p.70-85, 6 refs.
Experiences developing thesauri in Navigation and Sea ports.

68 ON CS IN THE SCIENCE AND INFORMATION AREA (8)

7048 Voverene, O.J.: Classification of research work. Orig. ru. Naučno-te_chn.inform.,Ser.1 1980, No 10, p.18-20, 7 refs.
Discussion of a number of classification schemes in use for on-going research work.

7049 Hornung, B.: Das Deutsche Bucharchiv und sein Facettenklassifikatiossystem. (The German Book Archives and its faceted classification) Orig. de. In: DK-Mitt. 1981 Vol 25, No 1, p.1-4, 10 refs.
Description of the history and some of the facets used in the subject analysis of this center which is concerned with information on all aspects of book and journal production.

69 ON CS IN THE CULTURA AREA (9)

7050 Pejtersen, A.M.: Design of a classification scheme for fiction based on an analysis of actual user-librarian search strategies. Orig. en. In: Harbo,O., Kajberg,L.(Eds.): Theory and application of information research. London: Mansell 1980. p.146-159

7052 Wood, K.: Is classification neutral? A reply to Trevor Fawcett. Orig.en. In: Art Libr.J. 1979 Vol 4, No 4, p.32-33
The article replied on was "The problem of the artefact: subject limits of the art library. (Art Libr.J. 4(1979)No.4, p. 11-22). In Art Libr.J. 5(1980)No.2, p.34-35 Trevor Fawcett commented on the article by Kath Wood on the classification in art.

7054 Revel-Macdonald, N.: Les maladies chez les Palawan. Etude de la nomenclature, des représentations et des pratiques: à la recherche d'un principe classificatoire. (Palawan diseases. Study of nomenclature, representations and practices. Toward research for a classification principle) Orig. fr. In: Inform.Sci.Soc. 1980 Vol 19, No 6. p.971-1027

7055 Anderson, M.: Book review of Sardar, Z.: Islam: Outline of a classification scheme. London: C.Bingley; München: K.G.Saur 1979. Orig.en. In: Cat.Classif.Quarterly 1980 Vol 1, No 1, p.97-100

7 CLASSIFICATION AND LANGUAGE

71 GENERAL PROBLEMS OF NATURAL LANGUAGES, METALANGUAGES, SEMIOTICS
See also 6882-3

7056 Krejdlin, G.E.: Logical analysis of natural language at the 2nd Soviet-Finnish Colloquy on logics (a survey). Orig. ru. In: Naučno-techn.inform.,Ser.2 1981, No 3, p.25-31

72 Semantics

7057 Aprecjan, Ju.D.: Semantic description principles for language units. Orig. ru. In: Tartu Ülikooli toimetised 1980, No 519, p.3-24, 2 refs.
Discussion of problems toward creating a formal model of natural language semantics.

7058 Kosarevskaja, T.A.: A tentative morphological and surface-semantic classification of the cybernetics sublanguage terms. Orig. ru. In: Struktur.i mat.lingv. 1980, No 8, p.49-54, 7 refs.
Investigation of 1450 three-component English computer terms and identification of certain construction types. 22 different semantic relations were found between the term components.

7059 Leont'eva, N.N.: Connected text semantics and information analysis units. Orig. ru. In: Naučno-techn.inform.,Ser.2 1981, No 1, p.21-29, 21 refs.
Consideration of a semantic analysis of connected text. The units of textual and information analyses are equal. The character of the dictionary necessary for such an analysis is defined.

7060 Otkupščikova, M.I.: A semantic classification of pronouns (the quantifying division). Orig. ru. In: Lingv.probl. funkc.modelir.rečev.dejatelnosti 1979, No 4, p.56-72, 14 refs

7061 Rubaškin, V.S.: On the semantics of attributive constructions. Orig. ru. In: Lingv.probl.funkc.modelir.rečev.dejatelnosti 1979, No 4, p.45-56, 3 refs.

7062 Wickmann, D.: An automatic analysis of semantic relationship between words in texts: factor or cluster analysis - what fits best?. Orig. en. In: ALLC Bull. 1980 Vol 8, No 2, p.152-

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73 AUTOMATIC LANGUAGE PROCESSING

7063 Sager, Naomi: Natural language information processing. A computer grammar of English and its applications. Orig. en. Reading, Mass.: Addison-Wesley Publ. 1981. 399 p., $37.50

74 GRAMMAR PROBLEMS

7064 Hoppe, A.: Grundzüge der Kommunikativen Grammatik. Teil 1: Die semantische Syntax der Geschehen-Komplexe. (Foundations of communicative grammar. Pt.1: Semantic syntax of process-oriented complexities) Orig. de.
Bonn: Dümmler 1981. 272 p., ISBN 3-427-83781-5
This "nucleus" of a semantic syntax comprises the German language contents-related complexes of processes (verbs and their necessary complements). Part 1 of the Communicative Grammar (CG) is thus a grammar of the meanings of the verb and of its contents-factors. It describes these factors in relation to the formal structures of the verb valency system. For the first time, thus, these factors have been named, classified and represented in the complexity of their functional reciprocal relationship in a comprehensive system.

7065 Sevbo, I.P.: On the systematization of sentence/utterance analyses. Orig. ru. In: Nauchno-techn.inform.,Ser.2 1980, No 12, p.1-10, 29 refs.
Suggestion of a general scheme for the organization of various sentence analyses. It takes into account analyses of the extralinguistic reality, semantical models limiting their abilities to the text only, analyses aiming at the search of interrelations between semantics and syntax, a.o.
(Orig.abstr.abbr.)

75 QUESTION-ANSWERING SYSTEMS

7066 Birnbaum, D. et al; Pattern Analysis and Recognition Corp.: MULTICS remote data entry system. Vol.1. Orig. en.
Rome, N.Y. 1979. 258 p., AD-A080 625/7
The Remote Data Entry System was designed to allow users of the MULTICS Pattern Recognition Facility the ability to input their data over the ARPANET from a Tektronix remote storage device. Once the data is input into the MULTICS System, routines are provided to enable the user to restructure or cluster his database for different classification experiments.

7067 Preece, S.E.: An online associative query modification methodology. Orig. en. In: On-line Rev. 1980 Vol 4, No 4, p.375-382, 3 refs.
Description of the online system. The query modification capability stems from the ability to incorporate thesaurus or dictionary linkages between terms and preferred or alternative forms and to generate associations between sets of documents and the vocabulary they contain. The former capability allows the automatic incorporation in a query of predefined equivalent or alternate terms. The use of terms associated with retrieved documents allows automatic discovery and inclusion of related vocabulary, index terms, and subject categories and may improve the effectiveness of free text searching in databases incorporating controlled vocabulary indexing and subject classification schemes. A pilot version of the system has been implemented on the DECsystem-10.
(Author, abbr.)

76 LEXICON/DICTIONARY PROBLEMS

7068 Gold, D.L.: The dictionary and lexical structure. Orig. en. In: Babel 1980, No 3. p.152-160
Discussion a.o. also of the classificatory knowledge which can be found in a dictionary.

7069 Neubert, G.: Machine-aiding of translation processes by user-controlled dictionary look-up. Orig. en. In: Int.Forum Inform.Doc. 1980, No 2. p.30-31, 4 refs.
Reviews automatic dictionaries of various types. The usefulness of terminology data banks in different spheres of human activity is illustrated. The operation and various applications of the Dresden electronic specialized dictionary are described. (Author)

7070 Mamedova, M.G.; Skorochod'ko, E.F.: Automated system of terminological dictionary analysis. Orig. ru. In: Nauchno-techn.inform.,Ser.2 1981, No 1. p.14-18, 6 refs.
The computer-aided compilation of a normative thesaurus based on a terminological dictionary is considered. An automated system of terms analysis is implemented on the basis of a thesaurus model. The system, its functions, lexical groups produced by it and methods of computerization are described.
(Orig.abstr.,mod.)

7071 Wong,R.L. et al: Profile of a dictionary compiled from scanning over one million words of surgical pathology narrative text. Orig. en. In: Comp.Biomed.Res. 1980 Vol 13, No 4, p.382-398
Description of LEXICON, a dictionary of terms used in the field of anatomic pathology.

7072 Zdornych, T.A.; Smirnova, N.A., Ubin, I.I.: Vocabulary selection and the structure of an automatic dictionary entry. Orig. ru. In: Mezdunar.seminar po mas.perevodu, Moskva 1979. Moskva 1979. p.136-137
The basic criteria for vocabulary selection are systemic property, as well as frequency and importance of a term. Word combinations, making up 80% of a dictionary volume are selected with regard to their stability. The structure of an automatic dictionary is determined mainly with respect to it purpose.

77 GENERAL PROBLEMS OF TERMINOLOGY
See also 6690, 6771-6773, 6794-6824, 7134, 7141, 7142

7073 Danilenko, V.P.; Skvortsov, L.I.: Theoretical and practical aspects of standardisation of scientific terminology. Orig. ru. Movoznavstvo 1980, No 6, p.16-21, 21 refs.

7074 Danilenko, V.P.; Skvortsov, L.I.: Linguistic problems of regulating the scientific and technical terminology. Orig. ru. In: Vopr.Jazykozn. 1981, No 1, p.7-16
Definition of the concepts 'regulation', 'unification', 'standardisation'. The place of 'terminology' in linguistics is discussed as well as the linguistic problems in elaborating terminologies.

7075 Hoedt, J.; Turner, R. (Eds.); Copenhagen School of Economics, The LSP Centre: 'The World of LSP'. Orig. en.
Kobenhavn 1981. 223 p.
Register of some 157 centers/institutions in 38 countries of the world, representing presumably a major proportion of the current total. The information is set out in a categorized way, concerning research on Languages for Special Purposes (LSP) and LSP courses.

7076 Hoffmann, L.: 30 Jahre fachsprachliche Lehre und Forschung an den Universitäten und Hochschulen der DDR. (30 years of terminological education and research at the universities of the GDR) Orig. de. In: Fachsprache 1981 Vol 3, No 1, p.2-10, 23 refs.
In 1951 an obligatory 3-years course of Russian was introduced into the GDR schools of higher learning. The article is concerned with impetus, regulations, aims, means, problems, institutions and perspectives relating to education in terminology and languages for special purpose.

7077 Hums, L.: Frequenzuntersuchungen zu Terminologie-Prinzipien: Kriterien und Zielstellung. (Frequency investigations concerning terminology. Principles, criteria and goals) Orig. de. In: Wiss.Z.Hochsch.Verkehrswes."Friedrich List",Dresden 1980 Vol 27, No 2, p.365-376, 16 refs.

7078 Kesselman, R.: Book review of Terminological Data Banks: Proc.1st Intern.Conf., Vienna, 2-3 April 1979. München 1980. Orig. en. In: Int.Classif. 1980 Vol 8, No 1, p.44-45

7079 Majorova, N.K.: Observations on the terminological formation of words. Orig. ru. In: Movoznavstvo 1980, No 6, p.22-25, 9 refs.

7080 Pica, P.: Quelques remarques à propos des problèmes posés par l'élaboration d'une theorie propre au traitement des langues de spécialité. (Some remarks on the problems posed by the elaboration of a proper theory for the treatment of special languages) Orig. fr. In: Unesco ALSED-LSP Newsletter 1981 Vol 4, No 2. p.2-15, 12 refs.
Discussion of the language of law in relation to three parameters of distinctiveness: nomenclature, semantic organization, syntax.

7081 Rey, A.: La terminologie: noms et notions. (Terminology: names and concepts) Orig. fr. Paris: Presses Univ.de France 1979. 127 p.

7082 Schulz, J.: A terminology data bank for translators (TEAM). Orig. en. Meta 1980 Vol 25, No 2, p.211-229, 13 refs.
Description of the multilingual system TEAM and the principles of its data organisation.

7083 Wallace, E.R.: Classification of aims in usage-recommendation for bio-ecological relationship terms involving diverse organisms. Orig.en. In: Classif.Soc.Bull. 1980 Vol 4, No 4, p.7-9
Gives consideration to the idea that one should think about a certain aim before inventing and using a new term for a new concept.

7084 Wilss, W.: Book review of Sager,J.C., Dungworth,D.,

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McDonald,P.F.: English Special Languages, principles and practice in science and technology. Wiesbaden: Brandstetter 1980. Orig. en. In: Lebende Sprachen 1981, No 1. p.184-185

7085 Winkel, A.: Problems of linguistic barriers. User terminology and documentary language especially in relation to computer based information systems. Orig. da. In: T.Dok. 1980 Vol 36, No 2. p.23-26

78 SPECIAL TERMINOLOGY PROBLEMS
See also 6698, 6781-6793, 6905, 7080

7085 Bungarten, T.(Ed.): Wissenschaftssprache. Beiträge zur Methodologie, theoretischen Fundierung und Deskription. (Scientific language. Contributions toward methodology, theoretical foundation and description) Orig. de.
München: W.Fink Verl. 1981. 547 p., DM 68., ISBN 3-7705 -1658-3
7087 Beneš, E.: The formal structure of scientific languages from the syntactic point of view. - 7088 Boguslawski, A.: Knowledge, truth belief: on the semantic structure of the vocabulary of cognition. - 7089 Bungarten, Th.: Science, language and society. - 7090 Gual, C.G.: Terms of the European theory of literature. - 7091 Harweg, R.: Structures and problems of linguistic discourse. Remarks on the language of linguistics on the basis of semiotic and representation theory. 7092 Hempfer, K.W.: Presuppositions, implicatures and the structure of scholarly argumentation. - 7093 Lüdtke, J.: Classifiers and scientific argumentation. - 7094 Martin, W.: The advantage and the limitations of quantitative linguistics for the study of the scientific languages. - 7095 Panther, K.-U.: Some typical indirect speech acts in scientific discourse. - 7096 Petöfi, J.S.: Some general aspects of the analysis and description of technical/scientific texts. - 7097 Polenz, P.v.: On jargonizing of scientific discourse and against deagentivization. - 7098 Schefe, P.: On the functionality of the language of science: the example of medicine. - 7099 Schwanzer, V.: Syntactic and stylistic universals in scientific and technical languages. - 7100 Sökeland, W.: Explanation and argumentation in scientific discourse. - 7101 Spillner, B.: Terms and linguistic functions in the language of literary criticism. - 7102 Steinig, W.: The language of psychology and the communication of everyday life. - 7103 Ulvestad, B.: Pseudoterms and argumentations in the 'language of grammar'. - 7104 Zemb, J.-M.: Can the lecture be saved? On some questions of communication in the didactics of science.

7105 Kocourek, R.: La nature du francais technique et scientifique. (The nature of technical and scientific French) Orig. fr. In: Ernst, R.; Wörterbuch der industriellen Technik. Vol.4. Wiesbaden: Brandstetter 1980. p.1153-1174

7106 Löning, P.: Zur medizinischen Fachsprache. Stilistische Gliederung und Textanalysen. (On medical terminology. Stylistic outline and text analyses) Orig. de. In: Muttersprache 1981 Vol 91, No 2. p.79-92, 27 refs.
According to Porep and Steudel medical terminology comprises 80 000 names for drugs, 10 000 names for the parts of organisms and 60 000 names for diseases.

7107 Richter, W.: Der Anteil des Griechischen an den vorklinischen Nomenklaturen und die didaktischen Konsequenzen für die fachsprachliche Ausbildung von Medizinstudenten. (The share of the Greek language in the preclinical nomenclatures and the methodological consequences for the terminological training of students in medicine) Orig. de. In: Wiss.Z.Wilhelm-PieckUniversität, Ges.u.Sprachwiss.R.,Rostock 1979 Vol 28, No 3, p.145-153

7108 Turner, J.; Nübold, P.: The language of air traffic control. Orig. en. Fachsprache 1981 Vol 3, No 1. p.11-17
To guarantee the safety and efficiency of international air traffic control, a code is required which is subjected to demands very different from those placed on the natural language from which it is derived. Report on a research project in progress at the Technical University of Braunschweig aimed at determining how the English language has been and can be rearranged and modified in order to become the necessary concise and unambiguous communication medium.

8 APPLIED CLASSING AND INDEXING

81 GENERAL PROBLEMS AND INDEXING RULES
See also 6825-6835, 6907, 6939

7109 Kobayashi, I.: Introduction to the theory of information structure. Concept and structure of the VIS index system. Orig. ja. In: Zyoho kagaku 1979 Vol 15, No 6, p.9-14
Discussion of a book under the same title covering the following items: information processing in natural language (Japanese), indexes and keywords, index matrix, thesauri, problems of data banks, the conception of the VIS index which provides for computer-based search in the abstract data base.

7110 Lorenz, B.: Bemerkungen zu den Aufgaben des Schlagwortkatalogs einer Universitätsbibliothek neuen Typs. (Remarks on the functions of a subject heading catalogue of a modern university library) Orig. de. In: Libri 1980 Vol 30, No 3, p.242-246, 18 refs.
Discussions of the developments toward abolishing the systematic and the subject heading catalogue.

7111 Wright, P.; Threlfall, M.S.: Readers' expectations about format influence the usability of an index. Orig. en. In: J.Res.Comm.Studies 1980 Vol 2, No 2. p.99-106

82 DATA INDEXING

7112 Allen, F.H.: Cambridge Crystallographic Data Centre, V, an integrated system of printed indexes. Orig.en. In: J.Chem. Inform.Comp.Sci. 1980 Vol 20, No 2. p.68-76, 13 refs.

7113 Mosby, M.A.; Kier, L.B.: Model for generating a chemical reaction index for storage and retrieval of information. Orig. en. In: J.Chem.Inform.Comp.Sci. 1980 Vol 20, No 4, p.217-221, 14 refs.
Description of a new method for indexing chemical reactions. The calculation of a reaction connectivity index results in a unique number. This number does not provide hierarchical or relational information. It encodes the concept of the reaction process in a unique identifier which is suggested for use, much as the CAS Registry number is used, to optimize ease of storage, manipulation, and retrieval from large computer files.

83 INDEXING OF AND BY TITLES, PHRASES

7114 Burnham, B.; McCordick, I.; York County Board of Education: A computer-based catalogue linking the PRECIS subject indexing system to school library materials. Building a model for an Ontario-wide information network for school libraries using PRECIS. A developmental research project. Orig. en.
Aurora, Ontario 1978. 48 p., ED 176 803

7115 Fisher, M.; Moffat, A.: Quick: we've got KWOC. Orig. en. In: Libr.Bull. 1980, No 18. p.7-8, 11
A KeyWord-Out-of-Context (CWOC) index was devised for the Lyon Playfair Library, Imperial College, London to serve as a common subject access system for the different departmental libraries using different classification schemes.

7116 Mildner, H.: Automatisierte Selektion von Fachwörtern aus dem Sachtitel von Zeitschriftenartikeln als Entscheidungshilfe bei der bedarfsgerechten Steuerung von Zeitschriften. (Computerized selection of terms from the titles of journal articles as a decision on aid in the use-oriented control of journals) Orig. de. In: Informatik 1981 Vol 28, No 1, p.31-33, 8 refs.
Proposals for a computer-supported and objective control of information sources on the basis of relationships between the title of journal articles and information needs.

7117 Nunnery, N.: A computer-generated phrase index from document titles. Orig. en. In: SIGLASH Newsletter 1980 Vol 13, No 3, p.4-5

85 BOOK INDEXING

7118 Bakewell, K.: How to let your fingers do the walking and not lose the way. Orig. en. In: Times Higher Educ.Suppl. 1980, No 412. p.12

87 INDEXING OF SECONDARY LITERATURE
See also 6691

7119 Nasatir, M.: The cataloging and classification of Machine-Readable Data Files. Pt.1: A case for incorporating records of Machine-Readable Data Files into the public catalog. Orig. en. In: Cat.Classif.Quarterly 1980 Vol 1, No 1, p.23-41, 49 refs.
This article is mainly concerned with the documentation and bibliographic control of Machine-Readable Data Files (MRDF) and the current status of MRDF cataloging activities as well as recommendations for bibliographic control, however, not as yet with problems of their classification.

7120 Hosono, K.: The characteristics of search keys for LISA databases. Orig. ja. In: Libr.Inform.Sci. 1979, No 17, p.121-132, 18 refs.
LISA tapes have the following access points: (1) classification codes, according to the Classification Research Group schedule; (2) two kinds of uncontrolled keyword sets, one represented by classification headings, the other by entries

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appearing in the printed alphabetical subject index.
The paper examines these access points.

7121 Payne, B.: BL rethink!. Orig. en. In: Libr.Assoc.Record 1979 Vol 81, Nov., p.547
The cumulative index to the British National Bibliography (1964-1976) in microfiche form only. (Letter). Comment by J. C.Downing (letter) in Libr.Assoc.Record 82(1980) Jan., p.37

7122 Vickers, R.P.: New indexing in British Education Index: a note. Orig. en. In: Educ.Libr.Bull. 1980 Vol 23, No 1, p.34-36

88 INDEXING OF PRIMARY LITERATURE AND DOCUMENTS

7123 Elliott, B.J.: The problems of indexing a local newspaper. Orig. en. In: Local Historian 1980 Vol 14, No 3, p.143-148

7124 Deutsch, St.F.: An efficient method of indexing legal memoranda. Orig.en. In: Pract. Lawyer 25(1979)No.1, p.71-76

7125 Hartstock, E.: Erfahrungsbericht über die Anwendung des Erfassungsbelegs bei der Deskriptorenerschließung. (Report on experiences with the application of an input record sheet in information analysis with descriptors) Orig. de. In: Archivmitt. 1980, No 6, p.227-233, 24 refs.
Methodology and problems encountered in applying a thesaurus and a formalized way of information analysis in an archive.

7126 Rumyantseva, N.L.: Invention classification as an information-retrieval language. Orig. en. In: Autom.Doc.Math. Linguist. 1979, No 2, p.26-33, 3 refs.
Suggestion to look at patent classification systems in the same way as at indexing languages in general, with their special elements, as e.g. alphabet, dictionary or lexicon, grammar, systematic part, etc.

7127 Meltzer, M.: Indexing the correspondence of Lydia Maria Child. Orig. en. In: Microfom Rev. 1981 Vol 10, No 1, p.16-17

7129 Rimmer, B.M.: Name indexes to patent specifications. Orig. en. In: World Patent Inform. 1979 Vol 1, No 2, p.68-72
The lack of an internationally accepted standard for the alphabetical arrangement of names in patent indexes causes serious difficulties for searchers. Examples are given. Interim proposals have been offered. It is hoped that the World Intellectual Property Organization might be willing to undertake the solution of this problem. (Orig.Abstr.abbr.)

9 CLASSIFICATION "MILIEU" (ORG. & ECON.)

92 PERSONS AND INSTITUTIONS IN CLASSIFICATION
See also 6796, 6802, 6804, 6805. 6807. 6813, 6814, 6904

7130 Hinton, F.: Cataloging and Classification Section (of the Amer.Libr.Assoc.). Orig. en. In: Libr.Resources Techn. Serv. 1980 Vol 24, No 1, p.77-78
Reports on developments during the year 1979.

7131 Nilson, J.: Cataloging and Classification Section (of the Amer.Libr.Assoc.). Orig. en. In: Libr.Resources Techn. Serv. 1981 Vol 25, No 1, p.113-116
Survey on the developments of this Section during the year 1980.

7132 Bliss Classification Association: list of members. Orig. en. In: Bliss Classif.Bull. 1980 Vol 6, No 1, p.10-17

7133 Fiałkowski, K.R.; Muraszkiewicz, M.R., Tolwinska, A.B.: Methodology of World Clearinghouse activity. Orig.en. In: Inform.Process.Management 1981 Vol 17, No 1, p.21-25
Presentation of the principles and methodology of the Warsaw Clearinghouse, a specialized bibliographic service for the collection, processing and dissemination of information on thesauri, classification systems and schedules, descriptor-keyword- and subject-heading lists.

7134 Rondeau, G.; Drozd, L.: Work report for the Commission on Terminology/COMTERM covering the period between the fifth and sixth AILA Congresses. Orig. en.In: COMTERM 1981, No 3, p.2-5
The report focusses on principle aims and tasks fixed in the COMTERM activities program confirmed at the general assembly, Montreal 1978. Such aims included (1) Bibliography of terminology, (2) Scientific activities, (3) Participation in and support for all terminological efforts the world over, (4) Collaboration with all interested organizations.

7135 New IFLA Section on classification. Orig. en. In: Int. Classif. 1981 Vol 8, No 1, p.32
Gives the terms of reference of the new IFLA Section as well as some information on activities.

93 ORGANISATION OF CLASSIFICATION
See also 6832, 7075

7136 Boganik, V.N.: Classification of information for data bank organisation. Orig. ru. In: Org.i upr.neft.promsti 1979, No 12, p.38-40
It is recognized to be imperative that the work of classification must be shared by several organizations. Organisational principles are proposed.

7137 Fröschner, G.: Bibliothekarisch-bibliographische Klassifikation im Bibliothekswesen der DDR. (Library-bibliographical classification systems in DDR librarianship) Orig. de. Zbl.Bibl.wes. 1981 Vol 95, No 2. p.68-72
Survey on the present state of application of classification systems and concerning further development especially regarding the idea of a uniform classification system for DDR libraries, adaption and modified application of the Russian LBC and application and improvement of the UDC.

7138 David, Ch.; Rek, Ch.: Problems of indexing by national centres of medico-scientific information for MEDINFORM. Orig. ru. In: I Nauč.Konf.po probl.na nauč.med.inform.. Sofia 1979(?). p.82-90

95 EDUCATION AND TRAINING
See also 6819, 6820, 7076

7139 Gavryck, J.: Teaching concept identification through the use of "Thesaurus of ERIC Descriptors". Orig. en. In: OnLine 1980 Vol 4, No 1, p.31-34
Description of a program at the SUNY-Albany School of Library and Information Science.

7140 Saab, N.G.; Lamson, M.E.: Cataloging 1966 vs 1976. Orig. en. In: J.Educ.Librarianship 1979 Vol 20, No 2, p.107-113, 17 refs.
Report about several changes that were observed in the teaching of cataloguing and classification in the period between 1966-1976.

7141 Gambier, Y.: Comment former les futurs-traducteurs/terminologues, à l'âge de l'informatique? Paradoxes finlandais. (How to educate the future translators/terminologists in the age of computers? Finnish paradoxes) Orig.fr. In: Fachsprache 1981 Vol 3, No 1, p.17-22
Description of a training programme in terminology which was set up at a Finnish institute. It also explains the gaps and limits of this programme in order to shed more light upon the present requirements and upon the questions which need to be settled urgently.

7142 Picht, H.: Zur Integration der Terminologieausbildung in den fachsprachlichen Unterricht an einer Handelshochschule. (Concerning the integration of terminological courses into language for special purposes curricula at a Commerce Training Institute) Orig. de.In: Unesco ALSED-LSP Newsletter 1981 Vol 4, No 2, p.16-21, 5 refs.
A four stage model demonstrates how the aim named in the title can be achieved: (1) introduction to terminology, (2) the terminological component of the syllabus, (3) terminology seminar, (4) terminology dissertation. The basic conditions for the realization of this programme (teachers and teaching materials) is discussed.

99 STANDARDIZATION IN CLASSIFICATION
See also 6969

7143 Chaumier, J.: Les languages d'access à l'information: babélisme ou normalisation. Orig. fr. In: Rev.entrep. 1979, No 31, p.16-18, 4 refs.

7144 Ivanov, N.B.: Apropos the question of uniform methodology of indexing technical literature. Orig. ru. In: Vopr.bibliografoved.i bibliotekoved. Minsk 1980. p.34-41, 5 refs.

Language abbreviations:

bg	Bulgarian	fi	Finnish	pt	Portuguese
ch	Chinese	fr	French	ro	Romanian
cs	Czech	he	Hebrew	ru	Russian
da	Danish	hu	Hungarian	sb	Slovakian
de	German	ja	Japanese	sh	Serbo-Croat.
en	English	nl	Dutch	sn	Slovenian
es	Spanish	pl	Polish	sv	Swedish

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