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* Monographs on special topics at special subdivisions

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

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*** Divisions of 04, 5, 6, 78, 82, 88 acc. to Information Coding Classification (ICC) described and displayed in Int. Classif. 9(1982)2, p.87-93 and in Int. Classif. & Indexing Bibliogr. 1.

A further division of this scheme (by one and sometimes two levels) was published in Int. Classif. 12(1985)No.3, p.147-151

0 FORM DIVISIONS

01 Bibliographies

See also 86-1062, 86-1315

86-915 011
Biagetti, M.T.: (Book Review of) Dahlberg, I. (Comp.): Reference Tools and Conferences in Classification and Indexing. Int. Classif. and Indexing Bibliography, Vol.2, Frankfurt: Indeks Veri.1984. Orig.it. Bibliotecario, No 7/8 1986. p.170-171

86-916 012
Classification and Indexing Research. Current Bibliography of Projects. Orig. en. Int.Classif. Vol 13 No 2, 1986. p.99-100
References Nos.210-223 with short abstracts.

86-917 013
Dahlberg, I.: (Book Review of) Gerstenkorn, A., Rolland, M.Th. et al.(Eds.): Thesaurus guide. Analytical directory of selected vocabularies for information retrieval. Amsterdam: Elsevier Science Publ. 1985. XXXVI,748p. Orig. en. Int.Classif. Vol 13, No 2, 1986. p.105-106

86-918 016.3
Dahlberg, I.: (Book Review of) Wellisch, H.H.: Indexing and Abstracting 1977-1981. An international bibliography. Santa Barbara, CA: ABC-CLIO Inform.Serv.1984. 176p. Orig. en. Int.Classif. Vol 13, No 2, 1986. p.103

86-919 016.715
Subramanian, D., Buchanan, B.G.: A general reading list for artificial intelligence. Orig. en. Stanford, CA: Stanford University, Department of Computer Science. Knowledge Systems Lab. 1985. 63p., 185 refs., Report KSL-85-54
The references with annotations are grouped as follows: 1) Introduction to AI, 2) Search and heuristics, 3) Knowledge representation, 4) Planning, problem solving and automatic programming, 5) Deduction and inference, 6) Expert systems, 7) Learning, 8) Natural language understanding, 9) Vision and robotics, 10) Advanced topics.

86-920 016.757
Buchanan, B.G.: Expert systems: Working systems and the research literature. Orig. en. Stanford, CA: Stanford University, Department of Computer Science. Knowledge Systems Lab. 1985. 55p., 366 refs., Report KSL-85-37
Many expert systems have moved out of development laboratories into field test and routine use. About 60 such systems are listed. Academic research laboratories are contributing manpower to fuel the commercial development of AI. But the quantity of AI research may decline as a result unless the applied systems are experimented with and analyzed. (Author)

86-921 016.757
Expert systems applications, 1970-February 1986 (Citations from the Engineering Data Base). Orig.en. Springfield, VA: National Technical Information Service 1986. 102p., NTIS PB 86-85739
Contains 125 citations fully indexed and including a title list.

86-922 016.77
Lehmann, M., Leube, K.: Kleine Bibliographie fachsprachlicher Untersuchungen. (The little bibliography of special language studies) Orig. de. Special Language - Fachsprache Vol 8, No 1-2, 1986. p.86-102

86-923 018-83
Rost, G.: (Book Review of) Krommer-Benz, M.: (Comp.): International bibliography of computer-assisted terminology. Paris: Unesco. Wien: Infoterm 1984. III, 36p. Orig. de. Zbl.Bibl.wes. Vol 100, No 4, 1986. p.184-5
Contains 350 references including also those pertaining to the automatic compilation of thesauri and concept systems.

02 Literature Reviews

See also 86-1282, 86-1283

86-924 021
Cruger Dale, D., Wilson, B.-R.: A survey of the literature on subject analysis for 1984-1985. Orig. en. Libr.Resources & Techn.Serv., No July/Sept., 1986. p.261-289, 155 refs.
Unlike earlier state-of-the-art reports this survey gives short abstracts of some 155 sources (books, journal articles, dissertations, microfiche documents, and papers presented at conferences) grouped according to the following headings (each mentioned with the number of references): Classification (55), Indexing (21), Subject headings (53), Thesauri (26). A short introduction highlights the major events during those two years.

03 Dictionaries, Terminologies

86-925 034.42
Borisova, N.D., Gendlina, I.E., Kalina, G.I., Matua, N.A., Smirnova, A.I.: The system of terms in the systematic five-language vocabulary on UDC theory and practice. Orig. en. Int.Forum Inform.& Doc. Vol 11, No 2, 1986. p.13-16, 37 refs.

86-926 036.74
Moore, D.C.: (Book Review of) Burger, H.G. (Ed.): The Wordtree. Merriam, KS: The Wordtree (publishers) 1984. 380p. Orig. en. J.ASIS Vol 37, No 2, 1986. p.92-94

86-927 038-817
Weatherup, J. (Comp.): A glossary of research terms (Science, technology, and social sciences). Orig.en. Arlington, VA: ERIC 1985. 33p., ED 264 884

86-928 038-83
Hipgrave, R.: Computing terms and acronyms: a dictionary. Orig. en. London, GB: Library Assoc. 1985. 117p., ISBN 0-85365-696-7

86-929 038-83
DIN. Normenausschuss Informationsverarbeitungssysteme: DIN 44300. Teile 1-9 (Entwurf): Informationsverarbeitung. Begriffe. (Draft German Standard on Information Processing. Concepts. Parts 1-9) Orig. de. Berlin, DE: Beuth Verl. 1985. 11+15+11+12+12+8+4+5+6p.
Pt.1: General concepts, Pt.2: Concepts of information representation, Pt.3: Concepts of data structures, Pt.4: Concepts of programming, Pt.5: Concepts of construction of digital computing systems, Pt.6: Concepts of storage, Pt.7: Concepts of computer times, Pt.8: Concepts of processing functions, Pt.9: Concepts of flow diagrams.

86-930 038-83
DIN. Normenausschuss Informationsverarbeitungssysteme: DIN 44300 Beiblatt 2. Entwurf. Informationsverarbeitung. Begriffe. Alphabetisches Gesamtverzeichnis. (Information Processing. Concepts. Alphabetical index) Orig.de. Berlin, DE: Beuth 1985. 16p.

86-931 038-843
DIN. Normenausschuss Maschinenbau; Informationsverarbeitungssysteme: DIN 2140, Teil 1. Entwurf: Büro- und Datentechnik. Textverarbeitende Systeme. Begriffe und Einteilung. (Office- and Data Technology. Text Processors. Concepts and Outline) Orig.de. Berlin, DE: Beuth 1985. 4 p.

04 Classification Systems & Thesauri

041 General Systems

86-932 041
Zentralinst.f.Bibliothekswesen: Klassifikation für Staatliche Allgemeinbibliotheken und Gewerkschaftsbibliotheken - Teil Territorialbestände (KAB/Ter). (Classification scheme for public libraries and union libraries - Section on Regional Holdings) Orig.de. Berlin, DD: Zentralinst.f.Bibliothekswesen 1985. 91+72p.

86-933 041
Verein der Bibliothekare an Öffentlichen Bibliotheken: SfB. Systematik für Bibliotheken. Lfg.1. Sachgebiete: Erd- und Völkerkunde, Geschichte, Literatur, Pädagogik, Philosophie, Volkskunde. 2.neubearb.Aufl. (Classification Scheme for Libraries, Ser.1: Geography, Ethnology, History, Literature, Education, Philosophy, Folklore) Orig. de. München, etc.: K.G.Saur Verl. 1978. 17+52+36+14+14+10p., ISBN 3-7940-5241-2

86-934 041
Verein der Bibliothekare an Öffentlichen Bibliotheken e.V.: SfB. Systematik für Bibliotheken. 2.Aufl. Lfg.2: Medizin, Psychologie, Sprache, Technik, Veterinärmedizin. (Classification Scheme for Libraries, Ser.2: Medicine, Psychology, Language, Engineering, Veterinary Medicine. 2nd ed.) Orig.de. München, etc.: K.G.Saur Verlag 1978. 15+10+19+27+4p., ISBN 3-7940-5242-0

86-935 041
Verein der Bibliothekare an Öffentlichen Bibliotheken e.V.: SfB. Systematik für Bibliotheken. Lfg.3: Betriebswirtschaftslehre, Politik, Staat, Verwaltung, Religion. (Classification Scheme for Libraries, Ser.3: Business Management, Political Science, State, Administration, Religion) Orig. de. München, etc.: K.G.Saur Verl. 1979. 33+16+28p., ISBN 3-598-05178-6

86-936 041
Verein der Bibliothekare an Öffentlichen Bibliotheken e.V.: SfB. Systematik für Bibliotheken. Lfg.4. Kunst, Musik, Sport, Theater. (Classification Scheme for Libraries, Ser.4. Fine Arts, Music, Sports, Theatre) Orig.de. München, etc.: K.G.Saur Verl. 1979. 53+27+27+14p., ISBN 3-598-20571-6

- 86-937 041
Verein der Bibliothekare an Öffentlichen Bibliotheken e.V.:
SfB. Systematik für Bibliotheken. Lfg.5: Biologie.Naturwissen-
schaften. Rech.t.Wirtschaft. (Classification Scheme for Librar-
ies. Ser.5: Biology. Natural Sciences. Law.Economics) Orig.de.
München,DE: K.G.Saur Verl.1984. 35+27+40+32,ISBN 3-598-20572-4
- 86-938 041
SWL Schlagwortindex zu: Systematik für Bibliotheken (SfB),
Allgemeine Systematik für Öffentliche Bibliotheken (ASB), Sy-
stematik Stadtbibliothek Duisburg (SSD).(Subject Heading Index
to The Classification Scheme for Libraries, The General Clas-
sification für Public Libraries, Classification Scheme for the
Municipal Library of Duisburg) Orig.de. MUnchen,etc.: K.G.Saur
Verl. 1986. VI,424p., ISBN 3-598-10632-7
- 86-939 041
Verein der Bibliothekare an Öffentlichen Bibliotheken e.V.:
SfB. Systematik für Bibliotheken. Lfg.6: Hauswirtschaft, Mili-
tärwesen, Sozialpolitik,Soziologie. (Classification Scheme for
Libraries. Ser.6: Household economics, Military Sciences, Soc-
ial Politics, Sociology) Orig. de. MUnchen, etc.: K.G.Saur
1985. sep.pag.
- 86-940 041
Universitätsbibliothek Bielefeld: Fachsystematik. QR Biologie,
einschl. Mikrobiologie; QS Biochemie u. Biophysik. QT Botanik.
(Classification scheme. QR Biology (incl.microbiology).QS Bio-
chemistry and biophysics. QT Botany) Orig. de. Bielefeld, DE:
Universitätsbibliothek 1979. 45+26+34p.
- 86-941 041-de-44
Universitätsbibliothek Bielefeld: Fachsystematik. QU Zoologie.
QV Humanbiologie. QW Angewandte Biologie. (Classification
scheme for: QU Zoology, QV Human biology, QW Applied biology)
Orig.de. Bielefeld,DE: Universitätsbibliothek 1979. 51+24+45p.
- 86-942 041-de-12
Universitätsbibliothek Bielefeld: Systematik. 1. Informations-
zentrum, 4.Bibliothek im Oberstufenkolleg, 10. Fachbibliothek
Mathematik. 4. Überarb. Fassung. (Classification scheme for 1)
The information center, 2) the college library, 3) the special
library for mathematics. 4th rev.version) Orig. de. Bielefeld,
DE: Universitätsbibliothek 1981. 60+175+43p.
- 86-943 041-de-55, -58, -93, -97, -98/99
Universitätsbibliothek Bielefeld: Systematik.16 Theologie,Phi-
losophie,Musik; Psychologie, Sportwissenschaften. (Classifica-
tion scheme for theology, philosophy, music; psychology, and
sports) Orig. de. Bielefeld, DE: Universitätsbibliothek 1981.
101+77p.
- 86-944 041-de-2, -73/9
Universitätsbibliothek Bielefeld: Systematik. 17 Physik, Tech-
nik. 18. Chemie. (Classification scheme for physics, engineer-
ing and chemistry) Orig.de. Bielefeld, DE: Universitätsbiblio-
thek 1982. 91+65p.
- 86-945 041-de-2/4, -59
Universitätsbibliothek Bielefeld: Systematik.20/21. Allgemeine
Naturwissenschaften, Haushaltswissenschaft; 22.Gewissenschaf-
ten. (Classification scheme for the sciences in general,house-
hold sciences and geosciences) Orig.de. Bielefeld, DE: Univer-
sitätsbibliothek 1984. 63+37p.
- 86-946 041-de-66, -69, -94
Universitätsbibliothek Bielefeld: Systematik. 11.Rechtswissen-
schaft (5.Überarb.Fassung), 14. Geschichtswissenschaft, Kunst-
wissenschaft. (Classification scheme for legal law (5th rev.
version), history and the fine arts) Orig. de. Bielefeld, DE:
Universitätsbibliothek 1984, 1982. 475+561p.
- 86-947 041-de-91, -92
Universitätsbibliothek Bielefeld: Systematik. 15. Linguistik,
Allgemeine und Vergleichende Literaturwissenschaft; 15. Roma-
nistik;Slavistik;Klassische Philologie. (Classification scheme
for Linguistics, General and Comparative Literature Sciences,
Romance Languages, Slavic Languages,Classical Philology) Orig.
de. Bielefeld,DE: Universitätsbibliothek 1985. 69+225+207+89p.
- 86-948 041-de-39
Universitätsbibliothek Bielefeld: Fachsystematk. Länderschlüs-
sel. Gesamtregister zu den Fachsystematiken. (Classification
scheme. Country codes. Comprehensive index to all special
schemes) Orig. de. Bielefeld, DE: Universitätsbibliothek 1984.
31+175p.
- 042 UNIVERSAL DECIMAL CLASSIFICATION
- 86-949 042.1-p1-63
Instytut Informacji Naukowej, Technicznej i Ekonomicznej
(IINTE): UDK 35. Administracja publiczna. Sztuka i nauka
wojenna. (UDC 35 Public Administration. 2nd Polish Full Edi-
tion) Orig. pl. Warszawa, PL: IINTE 1985. 212p.
- 86-950 042.1-p1-65
Instytut Informacji Naukowej, Technicznej i Ekonomicznej
(IINTE): UOK 36. Zabezpieczenie duchowych i materialnych
warunkow zycia. Praca spoleczna. Pomoc spoleczna. Mieszkania.
Überspjeczenia. (UDC 36. Social relief and welfare. Social bet-
terment. Insurance. 2nd Polish Full Edition) Orig. pl.
Warszawa, PL: IINTE 1985. 113p.
- 86-951 042.1-p1-43
Instytut Informacji Naukowj, Technicznej i Ekonomicznej
(IINTE): UDK 58. Botanika. (UC 58 Botany. 2nd Polish Full
Edition) Orig. pl. Warszawa, PL: IINTE 1985. 110p.
- 86-952 042.1-p1-44
Instytut Informacji Naukowej, Technicznej i Ekonomicznej
(IINTE): UDK 59. Zoologia. (UDC 59. Zoology. 2nd Polish Full
Edition) Orig. pl. Warszawa, PL: IINTE 1985
- 043 Dewey Decimal Classification
- 86-953 043
Beall, J.: DOC 004-006 Data processing and computer science
and changes in related disciplines. Rev.of Ed.19. Orig. en.
Albany, NY: Forest Press 1985. 66p., ISBN 0-910608-36-9
- 048 Special Classification Systems and Thesauri
- 86-954 048-2, -83
INSPEC Classification: a classification scheme for physics,
electrotechnology, computers and control. Orig.en. London, GB:
Institution of Electrical Engineers 1985.97p.,
ISBN 0-85296-300-9.
- 86-955 048-23, -31
Physics and astronomy classification scheme.Orig.en. New York,
NY: American Institute of Physics 1985. 49p., AIP Publ.R.261.5
- 86-956 048-36
Palmer, C.S.(Ed.): GEOREF thesaurus and guide to indexing, 4th
ed. Orig. en. Alexandria, VA: American Geological Institute
1986. 512p., ISBN 0-913312-78-9
- 86-957 048-46
Barrantes,N., Galrao, M.J., Pons-Fernandez,S.: Tesouro del ba-
nana: vocabulario especializado para el procesamiento y recu-
peracion de la informacion sobre banana. (Thesaurus on banana
cultivation) Orig. es. Panama: Union de Paisas Exportadores de
Banano. Centro de Informacion y Documentacion 1983. 258p.
- 86-958 048-519
Felix, J.: Elaboration d'un thesaurus: ISIS thesaurus. (Compi-
lation of a thesaurus: the ISIS thesaurus) Orig. fr. Genève,
CH: Ecole Bibl. 1983. 140p.
- 86-959 048-519
Catalyst Resources for Women (CRFW) database thesaurus,6th ed.
Orig. en. New York, NY: The Catalyst Library 1984. 12p.
- 86-960 048-56
UNESCO:IBE education thesaurus (Education and training for use
in computerized indexing and retrieval), 4th ed. Orig. en.
Paris, FR: UNESCO 1984. 345p., ISBN 92-3-102061-7
- 86-961 048-58
Eck, M.: Elaboration d'un langage d'indexation sur les arts
martiaux, dans le cadre de la mise en place d'une base de don-
nées sur micro-ordinateur et dans la perspective de son évolu-
tion future + Thésaurus sur les arts martiaux. Orig.fr. Paris,
FR: Institut d'Etudes Politiques 1985. 60+59+49p.
- 86-962 048-61
POPLINE thesaurus.2nd ed. Orig.en. Baltimore,MD: Johns Hopkins
University.Population Information Program 1984.241p., looseleaf
- 86-963 048-657
Viet, J.: Macrothesaurus for information processing in the
field of economic and social development. 3rd ed. Orig.en. New
York, NY: United Nations. Dep.of Int.Econ.& Social Development
1985. 361p., ISBN 92-1-100272-9
- 86-964 048-665
Criminal justice periodical index thesaurus. Orig. en. Ann Ar-
bor, MI: University Microfilms International 1985.
- 86-965 048-66
Arbeitsgemeinschaft der Parlaments- und Behördenbibliotheken
(APBB), Deutscher Industrie- und Handelstag (DIHT), Arbeits-
kreis Kammerbibliotheken: Systematik für Kammerbibliotheken.
(Classification system for a chamber (of commerce) library)
Orig.de. Bonn, DE: Arb.gem.d.Parlaments- u.Behördenbibl. 1985.
197p., Arbeitshefte 39
The classification complies with the one for the records of
the "Deutsche Industrie- und Handelstag".

86-966 048-715
Tesaurus de Información Industrial: Centroamerica y Republica Dominicana. (Industrial thesaurus for Central America and the Dominican Republic). Orig. es. Guatemala: Instituto Centroamericano de Investigación y Tecnología Industrial 1985 (?).

86-967 048-746
Geraskina, I.P. (Ed.), Gubareva, S.I. (Ed.): The sectoral STI subject heading list in instrument making, automation tools and control systems. Orig. ru. 102p. Moskva, SU: CNIITEPriboro-rostrojniya 1985

86-968 048-765
TITUS IV: list of search descriptors. Orig.en,fr. Billancourt, FR: Institut Textile de France 1984. 115p

86-969 048-88
Richard, C., Schwob, J.: TELEDOC. Lexique des descripteurs. 2nd ed. (TELEDOC. Descriptor list, 2nd printout) Orig. fr. Issy-les-Moulineaux, FR: Centre National d'etudes des télécommunications. Direction de l'information, de la coopération et des échanges techniques 1985. 443 col.

86-970 048-969
Picheloup, D.: Céramique grecque: Thésaurus. (Greek ceramics: a thesaurus) Orig. fr. Paris, FR: I.N.T.D., Conserv.Natl.Arts Métiers 1984. 116 p.

05 Periodicals and Serials

86-971 056-77
New Language Planning Newsletter. Orig. en. Vol 1(1986)No 1, Manasagangotrie, Mysore, 570 006, India.
The new editor, Mr.D.P.Pattanayak, introduces this new start of the Language Planning Newsletter, published by the East-West Center in Honolulu, HI, until 1985. He invites contributions from all over the world, dealing with questions of language planning in the widest sense.

06 Conference Reports, Proceedings

See also 86-1232, 86-1284

86-972 06.83-03-22/23
Kuznetsov, S.O.: (Book review of) Informatics 7: Intelligent Information Retrieval. Proc. of Conf. Cambridge, 22-23 March 1983. London: Aslib 1984. 150p. Orig.en. Int.Forum Inform. & Doc. Vol 11, No 2, 1986. p.44-47

86-973 06.83-09-5/7
Chernyi, A.I.: (Book review of) Dietschmann, H.J.(Ed.): Representation and Exchange of Knowledge as a Basis of Information Processes. Proc. 5th Int. Res. Forum in Inform. Sci. (IRFIS), Sept.5-7, 1983. Amsterdam, etc.: North-Holland 1984. XII,433p. Orig.en. Int.Forum Inform.& Doc. Vol 11, No 2, 1986. p.42-43

86-974 06.84-07-2/6
Rijsbergen, C.J.van: Research and development in information retrieval. Proc. 3rd Joint BCS and ACM Symposium, King's College, Cambridge, 2-6 July 1984. Orig. en. Cambridge etc.: Cambridge University Press 1984. ca.430 p., ISBN 0-521-26865-6. - Among the 28 contributions the following ones should be of interest in our context:
86-975 Tague, J.: A semantic model and schema notation for bibliographic retrieval systems. - 86-976 Azmoodeh, M., Lavington, S.H., Standing, M.: The semantic binary relationship model of information. - 86-977 Omiecinski, E., Scheuermann, P.: A global approach to record clustering and file reorganization. - 86-978 Cooper, W.S.: Bridging the gap between AI and IR. - 86-979 Defude, B.: Knowledge based systems versus thesaurus: an architecture problem about expert systems design. - 86-980 Fuhr, N., Knorz, G.E.: Retrieval test evaluation of a rule based automatic indexing (AIR/PHYS). - 86-981 Jones, K.P., Bell, C.L.M.: The automatic extraction of words from texts especially for input into information retrieval systems based on inverted files.

86-982 06.85-03-17/19
Allen, D.M.(Ed.): Computer Science and Statistics. Proceedings of the 17th Symposium on the Interface. Orig. en. Amsterdam, etc.: North-Holland 1986. XII,342p., ISBN 0-444-70018-8
This symposium was held at Lexington, Kentucky. The proceedings volume, comprising 45 papers is arranged in 15 sections, among which Statistics and Artificial Intelligence (4 papers), Numerical Methods (3 papers), Multivariate Density Estimation and Regression (2 papers), and Categorical Data (4 papers).

86-983 06.85-04-13/14; 77
Stoberski, Z.: 1st International Symposium on Transnationalization of Terminology. Orig.en. Multilingua Vol 5, No 2, 1986. p.113.

The symposium with some 70 participants was organized by the International Organization for the Unification of Terminological Neologisms (IOUTN) in cooperation with the Association of Polish Translators, Warszawa. 17 papers were presented. Its theme: "Concept - Term - Definition and their Value for International Communication".

86-984 06.85-04-16/17
Advances in intelligent retrieval. Informatics 8. Proc.of a Conference.. Wadham College, Oxford, 16-17 April 1985. Orig. en. London, GB: Aslib 1985. 310p., ISBN 0-85142-195-4. - Contains the 15 contributions of the conference, a list of delegates and a survey on "Ten years of Informatics" by Kevin Jones. Judged by the titles the following 9 papers may be of interest:

86-985 Addis, T.: Extended relational analysis: a design approach to knowledge-based systems. - 86-986 Murtagh, F.: Clustering and nearest neighbour searching. - 86-987 Enser, P.G.B.: Experimenting with the automatic classification of books. - 86-988 Hancox, P., Smith, F.: A case system processor for the PRECIS indexing language. - 86-989 Rouault, J.: Linguistic methods in information retrieval systems. - 86-990 Aragon-Ramirez, V., Paice, C.D.: Design of a system for the online elucidation of natural language. - 86-991 Brooks, H.M., Daniels, P.J., Belkin, N.J.: Problem descriptions and user models: developing an intelligent interface for document retrieval systems. - 86-992 Mitev, N.N., Walker, S.: Information retrieval aids in an online public access catalogue: automatic intelligent search sequencing. - 86-993 Bell, D.A.: An architecture for integrating data, knowledge, and information bases.

86-994 06.85-06-29-; 141
Popkov, Yu.S. (Ed.): Methodology of Systems Research: All-Union Symposium. Orig.ru. Moskva, SU 1985. 238p.
Contains the summaries of papers.

86-995 06.85-08
Int.Feder.Library Assoc: IFLA General Conference 1985. Div. of Bibliographic Control, Sections on Bibliography, Cataloguing and Classification. Arlington, VA: ERIC 1985. 127p., ED 262 796

86-996 06.85-09-30-; 78-7
Stegu, M.: Sprache und Information in Wirtschaft und Gesellschaft. Bericht über die 11. Jahrestagung der Int. Vereinigung "Sprache und Wirtschaft". (Language and information in economics and society: Report on the 11th Annual Meeting of the International Association "Language and Economics") Orig. de. Special Language - Fachsprache Vol 8, No 1-2, 1986. p.66-69

86-997 06.85-11-11/14
Bakewell, K.G.B.: (Book review of) Rajagopalan, T.S.(Ed.): Ranganathan's Philosophy: Assessment, Impact and Relevance. Proc.Int.Conf. New Delhi: VIKAS 1985. XXXVI,690p. Int.Classif.13(1986)No.2, p.103-105

86-998 06.85-11-15
Second Regional Conference of FID/CR New Delhi (India). Orig.en. Libr.Herald Vol 25, No 1 1986. p.46-47

86-999 06.85-11-15
Dahlberg, I.: Classification and Communication. 2nd Regional Conference of FID/CR. Orig. en. Int. Inform. Communicat. & Educ. Vol 5, No 1, 1986. p.95-99

86-1000 06.85-11-15
Krishan Kumar: Second Regional Conference of FID/CR, New Delhi (India, Nov.15, 1985. Orig.en. ILA Bull. Vol 21, No.3-4, p.120

86-1001 06.86-01-16; 33
Gödter, W.: Gegenwärtiger Stand der bibliothekarischen Inhaltserschließung. Bericht über eine Arbeitssitzung. (Present state of subject analysis in libraries. Report on a workshop) Orig.de. Z.f.Bibl.wes.u.Bibliogr. 33(1986)No 3, p.188-191
The workshop was organized in Darmstadt by the Special Interest Group on Library Classification of the German Society for Classification. The report discusses each of the papers.

86-1002 06.86-03-10/11; 778
Fluck, H.R., Faber, H.v.: Symposium "Fachsprache" und "Deutsch als Fachsprache", vom 10. bis 11. März 1986 in St. Gallen (Schweiz). (Symposium on "Special Language" and "German as a Special Language") Orig. de. Special Language - Fachsprache Vol 8, No 1-2, 1986. p.60-63

86-1003 06.86-03-11/12; 23
Krumholz, W.: Konferenz der Europäischen Gemeinschaften über Thesaurus-Nutzung, 11.-12.3.1986, Brüssel. (Conference of the European Communities on Use and Mis-Use of Thesauri) Orig. de. Int.Aufg.d.DGD Vol 8, No 4-5, 1986. p.64-65

86-1004 06.86-05-10/15; 56
Sträter, H.: Tagung von FID/C37 "Erziehungswissenschaften" in Verbindung mit FID/C3 "Sozialwissenschaften", 10.-15.5.1986, Aarhus. (Meeting of the UDC Revision Committee on Education) Orig. de. Int.Aufg.DGD Vol 8, No 4/5, 1986. p.72

86-1005 06.86-05-10/15
Arntz, H.: Jubiläumstagung von FID/C3+92/99 "Sozialwissenschaften und Geschichte, 10.-15.5.1986, Aarhus. (Jubilee Meeting of the FID Revision Committee Social Sciences and History (UDC 3+92/99)) Orig. de. Int.Aufg.DGD 8(1986)No 4/5. p.70-71
Report on the 50th meeting with participants from 10 countries. One remarkable act out of a huge work programme was the transfer of UDC 65 Business Management to UDC 30 and 33.

86-1006 06.86-05-11/16; 61
Ohly, H.P.: Sitzung des Komitees FID/C30/31+39 "Soziokulturelle Wissenschaften", 11.-16.5.86, Aarhus. (Meeting of the UDC Revision Committee on Sociocultural Sciences) Orig. de. Int.Aufg.DGD Vol 8, No 4-5, 1986. p.71-72

86-1007 06.86-06-18/21
Degens, P.O., Hermes, H.J., Opitz, O. (Ed.): Die Klassifikation und ihr Umfeld. Proceedings der 10. Jahrestagung der Gesellschaft für Klassifikation eV Münster/W. 18.-21. Juni 1986.

(Classification and its environment. Proc. 10th Annual Meeting of the German Society for Classification) Orig. de, en. Frankfurt, DE: INDEKS Verl. 1986. 416p., ISBN 3-88672-016-0 (soft), Contains 39 papers (from about 60) presented at this Conference; 16 of which are in English, arranged in nine sections.
86-1008 Dahlberg, I.: Zukunftsperspektiven der Klassifikation und Indexierung. (Future perspectives of classification and indexing) - 86-1009 Panyr, J.: Wissen und ein Ansatz zu seiner Taxonomie im Bereich der künstlichen Intelligenz. (Knowledge and an approach to its taxonomy in the area of artificial intelligence) - 86-1010 Lückenhoff, H.: Zur Didaktik des Systemansatzes: Wissensgliederung. (Didactics of the systems approach: Outlining knowledge) - 86-1011 Fugmann, R.: Die Funktion von Semantischen Kategorien in Indexierungssprachen und bei der Indexierung. (Function of semantic categories in indexing languages and in indexing) - 86-1012 Krumholz, W.: Use and Mis-Use of Thesauri. Bericht über eine Konferenz. 86-1013 Rescheleit, W., Menner, L.: Vergleich der Wissensrepräsentationsprache FRL mit Dezimalklassifikation und Facettenklassifikation. (Comparison of the knowledge representation language FRL with the UDC and a faceted classification) - 86-1014 Veltman, K.: A new classification for art. - 86-1015 Schnell, H.: Die aktuelle Funktion des Schlagwortkatalogs in einer wissenschaftlichen Universalbibliothek: Erforderliche Präzisierungen und Ergänzungen vorliegender Regelwerke. (The present function of the alphabetical subject catalogue in a research library) - 86-1016 Weidemüller, H.U.: Die maschinelle Verarbeitung von RSWK-Ketten in der Deutschen Bibliothek - Datenstruktur und Permutationsverfahren. (RSWK-application in the German Library: Automatic permutation of index-term chains). 86-1017 Riesthuis, G.J.A.: Alphabetische Sachregister und Klassifikation. (Alphabetical subject indexes and classification) - 86-1018 Vasiljev, A.: Online subject access to library holdings. 86-1019 Riesthuis, G., Colenbrander-Dijkman, A.-M.: Subject access to central catalogues: Incompatibility issues of library classification systems and subject headings in subject cataloguing. - 86-1020 Gasthuber, H.: Anwendung von Ordnungsprinzipien bei der betrieblichen Produktideenfindung. (Application of ordering principles in industrial innovation) - 86-1021 Hölzl, J.: Rahmenempfehlung zur Warenbeschreibung. (A recommendation for commodity descriptions) - 86-1022 Gesell, J.: Neuauflage der Internationalen Patentklassifikation. (New edition of the International Patent Classification) - 86-1023 Domokos-Gombosi, M.: Zur Metaordnung in der statistischen Datendokumentation. (Metaorder in statistical data documentation) - 86-1024 Kipke, U., Wille, R.: Begriffsverbände als Ablaufschemata zur Gegenstandsbestimmung. (Concept lattice schemes for the determination of objects) - 86-1025 Ganter, B., Wille, R.: Implikationen und Abhängigkeiten zwischen Merkmalen. (Implications and dependencies of attributes) - 86-1026 Gernert, D.: Classification as a proof technique and a heuristic tool in graph theory. - 86-1027 Krauth, J.: Eine Modifikation der nichtparametrischen Diskriminanzanalyse nach Kendall. (Modification of the nonparametric discrimination method of Kendall) - 86-1028 Krolak-Schwerdt, S.: A graph-theoretic allocation criterion for single linkage. - 86-1029 Opitz, O., Bausch, Th.: Nichtdisjunkte Klassifikation mit qualitativen Daten. (Nondisjunct classification with qualitative data) - 86-1030 Späth, H.: Maximizing partitioning cluster criteria for quantitative data. - 86-1031 Stank, S.: Zur Dekomposition zeitlich variabler Mischungen. (The decomposition of time-varying mixtures) - 86-1032 Steinhäuser, D.: Menügesteuertes Clusteranalysepaket für Mikrocomputer. (Menu-driven cluster analysis package for microcomputers) - 86-1033 Vach, W., Degens, P.: Starte more robust estimation of ultrametrics. - 86-1034 Bock, H.H.: Multidimensional scaling in the framework of cluster analysis. - 86-1035 Feger, H.: Zur Bestimmung von Präferenzstärken aus Rangreihen. (Estimating relational structures from ordinal data) - 86-1036 Herden, G.: Dissimilarity coefficients for ordinally scaled data. - 86-1037 Mathar, R.: Metric scaling in a class of constrained configuration. - 86-1038 Miebach, B.: Subgroup comparison in linear structural equation models based on cluster analysis. - 86-1039 Schubert, L.: Ein Punkt-Vektor-Modell zu unterschiedlichen Datenstrukturen im Rahmen der External Analysis. (A point-vector-model for different data structures in external analysis) - 86-1040 Dress, A., Haeseler, A.v., Krueger, M.:

Reconstructing phylogenetic trees using variants of the "Four-point-condition". - 86-1041 Lausen, B., Degens, O.: Variance estimation and the reconstruction of phylogenies. - 86-1042 Patzlaff, M.M.: Rekonstruktionen phylogenetischer Beziehungen mit graphentheoretischen Methoden. Ergebnisse und Probleme bei der Chemosystematik des Cytochrom c. (Reconstruction of phylogenetic relations by graph-theoretical methods: Results and problems in the chemical systematics of cytochrome c) - 86-1043 Scherer, S., Binder, H.: Comparison of biological classifications based on amino acid sequences and traditional taxonomy. - 86-1044 Balderjahn, I.: Cross validation of covariance structures in one and multi group analysis: The case of ecologically concerned consumers. - 86-1045 Eckes, Th.: Das Sortierverfahren zur Gewinnung von Proximitätsdaten in der multivariaten psychologischen Forschung. (The sorting procedure for obtaining proximity data in multivariate psychological research) - 86-1046 Schmitt, H.P., Oberwittler, C.: Numerical taxonomy of brain tumors: A challenge to contemporary mathematical classification. - List of participants. - Name and subject index. - Information on the Ges.f.Klassifikation eV.

86-1047 06.86-06-18/21
Dahlberg, I.: 10th Annual Conference, German Society for Classification, Münster, 18-21 June 1986. Orig. en. Int.Classif. Vol 13, No 2, 1986. p.96-98

86-1048 06.86-08
Holley, R.P.: Meetings of the IFLA Division on Bibliographic Control. Section on Classification and Subject Cataloguing, Chicago, 1985. Orig. en. Int.Classif. Vol 13, No 2, 1986. p.93-94

07 Textbooks

86-1049 07.21
Lancaster, F.W.: Vocabulary Control for Information Retrieval, 2nd ed. Orig. en. Arlington, VA: Information Resources Press 1986. XVII, 270p., 188 refs. ISBN 0-87815-053-6
This second edition - unlike the first one of 1972 - is devoted almost exclusively to the thesaurus or thesaurus-like aids to natural language searching. Its 22 chapters cover the following topics: Why vocabulary control? Pre-coordinate and post-coordinate systems. Vocabulary structure and display. Gathering the raw material. Standards and guidelines. Organization of terms: The hierarchical relationship. - The associate relationship. Terms: Form and compounding. The entry vocabulary. Homography and scope notes. Thesaurus display. Vocabulary growth and updating. The role of the computer. Identifiers and checklists. The influence of vocabulary on the performance of a retrieval system. Evaluation of thesauri. Natural-language searching and the post-controlled vocabulary. Hybrid systems. Compatibility and convertibility. Multilingual aspects. Automatic approaches to thesaurus construction. Some cost-effectiveness aspects of vocabulary control. - Bibliography. Index.

08 Other Monographs (whole field)

86-1050 08.11
Gödert, W.: Bibliothekarische Klassifikationstheorie. Grundlagen und Anwendungen. (Theory of library classification: Foundations and applications) Orig. de. Hamburg, DE: FHA Hamburg. FB Bibliothekswesen 1986. 43p.
Treats (1) the special needs of a theory of library classification, (2) the theory of classification systems, (3) the application of classification systems and (4) perspectives of using classificatory services.

86-1051 08.21
Heinrich, G.: (Book review of) Weishaupt, K.: Sacherschließung in Bibliotheken und Bibliographien. 1. Klassifikatorische Sacherschließung. Frankfurt: Klostermann 1985. VII, 175p. Orig. de. Bibliothek. Forsch.u.Praxis 10(1986)No 1/2. p.136-139, 62 refs.

86-1052 08.21
Krueger, J.: (Book review of) Weishaupt, K.: Sacherschließung in Bibliotheken und Bibliographien. 1. Klassifikatorische Sacherschließung. Frankfurt: Klostermann 1985. 175p. Orig. de. Vol 100, No 7, 1986. p.310-311

86-1053 08.11
Ingwersen, P.: (Book review of) Belkin, N.J., Vickery, A.: Interaction in information systems: A review of research from document retrieval to knowledge-based systems. London: British Libr. 1985. VIII, 246p. J.Doc. 42(1986)No 3, p.197-200, 3 refs.

09 Standards, Guidelines

See also 86-929, 86-930, 86-931

86-1054 09.31
Manecke, H.-J., Biela, S. (Bearb.): Methodische Rahmenregelung zur Erarbeitung und Anwendung sachbezogener Indexiermuster.

(Methodological recommendations for the elaboration and application of subject related indexing patterns) Orig. de. Berlin, DO: Zentralinst.f.Inform.u.Dok.1985. 24p., ZIID-Schriftenreihe

1 THEORETICAL FOUNDATIONS

11 Order and Classification

See also 86-1050

86-1055 112
Dahlberg, W.: Natural law and evolution. Towards a natural classification of order, Pt.II. Orig. en. Int.Classif. Vol 13, No 2, 1986. p.65-62, 32 refs., 16 schemes

86-1056 115
Philosophical and sociological problems of human activity. Orig. ru. Krasnodar, SU: Kubanskiy Universitet 1984. 168p.

86-1057 115
Kvetnoj, M.S.: Activity as a system. Orig. ru. In: Philos.i social probl.chelovech.deyat-sti. Krasnodar, SU 1985. p.5-21, 37 refs.

12 Conceptology in Classification

See also 86-1279

86-1058 121
Lull, Ramon: Die neue Logik (lt.-dt.) Raimundus Lullus. Textkrit.hrsg.v.Ch.Lohr. (The new logic) Orig.de. Hamburg,DE: Meiner 1985. XCIV,317p., Philosophische Bibliothek; 379

86-1059 121
Chakraborty, M.K., Sarkar, S., Das, M.: Some aspects of fuzzy relation and a few suggestions towards its use. Orig. en. In: Approximate reasoning in expert systems. New York,NY: Elsevier Publ. 1985. p.139-157, 20 refs.

Presentation of discussions on fuzzy equivalence, tolerance, order and functions. Suggestion of some mathematical tools applicable in decision making, clustering analysis, interval analysis and network theory.

86-1060 121
Bocharov, V.A., Vojshvillo, E.K., Ivlev, Yu.V.: The modern stage of logic evolution. Orig.ru. Vestn.MGU; Filos., No 5, 1985. p.4-14

86-1061 1232
Herbst, Th.: Defining with a controlled defining vocabulary in foreign learner's dictionaries. Orig.en. Lexicographica, No 2, 1986. p.101-119, 40 refs.

86-1062 124.01; 715
Knowledge representation and knowledge programming for artificial intelligence, 1975-1985 (Citations from the INSPEC Information Services for the Physics and Engineering Communities Data Base. Orig.en. Springfield, VA: National Technical Information Service 1985. 160p., NTIS PB 86-853280
This bibliography contains 192 citations. Both the cognitive and linguistic aspects of knowledge representation are considered.

86-1063 124; 757
Vicker, B.C.: Knowledge representation: A brief review. J.Doc. 42(1986)No.3, p.145-159, 17 refs.

The problems of representing knowledge in computer systems are common to information science, artificial intelligence, psychology and linguistics. The paper offers a brief review of the structures and techniques that have been developed in these different disciplines. It looks at the semantic structure of sentences, at roles, categories and relations in subject analysis, at semantic primitives, and at knowledge representation for reasoning. The paper concludes with a note on a prototype expert system that makes use of some of these relationships. (Author)

86-1064 124
Levesque, H.J.: Foundations of a functional approach to knowledge representation. Orig. en. Artificial Intelligence Vol 23, No 2, 1984. p.155-212, 27 refs.

Presentation of a new approach to knowledge representation where knowledge bases are characterized not in terms of the structures they use to represent knowledge, but functionally, in terms of what they can be asked or told about some domain. The author also considers extensions to the framework such as defaults and definitional facilities.

86-1065 124
Guenther, F., Lehmann, H., Schonfeld, W.: A theory for the representation of knowledge. Orig. en. IBM J.Res.& Development

Vol 30, No 1, 1986. p.39-55, 32 refs.

Proposal of a Discourse Representation Theory for the purpose of making a formalism for knowledge representation suitable as a target for systematic translation from natural language expressions.

86-1066 124; 757
Payne, E.C.: The integration of traditional simulation with expert systems and AI knowledge representation. Orig.en. In: Approximate Reasoning in Expert Systems. New York, etc.: Elsevier Science Publ. 1985. p.383-392, 8 refs.

86-1067 124
Wierchori, S.T.: Mathematical tools for knowledge representation. Orig. en. In: Approximate reasoning in expert systems. New York, NY: Elsevier Publ. 1985. p.61-70, 31 refs.

86-1068 124
Efimova, S.M.: A network data model algebra for knowledge representation. Orig. ru. In: Semiot.aspekty formaliz.intellekt.deyat.-sti. Moskva, SU 86-1069, 1985. p.75-78

86-1069 124; 757
Zadeh, L.A.: The role of fuzzy logic in the management of uncertainty in expert systems. Orig. ru. In: Approximate reasoning in expert systems. New York, NY: Elsevier Science Publ. 1985. p.3-32, 92 refs.

86-1070 124
Rozenblit, A.B.: A knowledge representation system using graphs. Orig. ru. In: Semiot.aspekty formaliz.intellekt.deyatelnosti. Moskva, SU 1985. p.54-56

86-1071 124
Cheng, Y., Fu, K.S.: Conceptual clustering in knowledge organization. Orig. en. IEEE Transactions on Pattern Analysis and Machine Intelligence (PAMI-7(5)) 1985. p.592-598, 13 refs.

86-1072 124; 757
Trilles, E., Valueide, L.: On mode and implication in approximate reasoning. Orig. en. In: Approximate Reasoning in Expert Systems. New York,NY: Elsevier Science 1985. p.157-66, 15 refs.

86-1073 124
Levenick, J.R.: Knowledge representation and intelligent systems: from semantic networks to cognitive maps. PhD Thesis. Orig. en. Ann Arbor, MI: The University of Michigan. Computer Science 1985. 253p., Univ.Microfilms Order # ADG85-12454. 8510

86-1074 124
Kass, R., Katriel, R., Finin, T.: Breaking the primitive concept barrier. Orig.en. Philadelphia, PA: Univ.of Pennsylvania. Dept. of Computer and Information Service 1985. MS-CIS-86-36

86-1075 124
Mukaidono, M.: Representations of fuzzy data with fuzzy logic expression. Orig. en. In: Approximate reasoning in expert systems. New York,NY: Elsevier Science Publ.1985. p.369-82,8 refs.

86-1076 124
Clancey, W.J.: Heuristic classification. Orig.en. Stanford, CA: Stanford Univ., Department of Computer Science 1985. 68p., 100 refs., STAN-CS-85-1066

A broad range of well-structured problems - embracing forms of diagnoses, catalog selection, and skeletal planning - are solved in "expert systems" by the method of heuristic classification. These programs have a characteristic inference structure that systematically relates data to a pre-enumerated set of solutions by abstraction, heuristic association, and refinement. In contrast with previous descriptions of classification reasoning, particularly in psychology, this analysis emphasizes the role of a heuristic in routine problem solving as a non-hierarchical, direct association between concepts. In contrast with other descriptions of expert systems, this analysis specifies the knowledge needed to solve a problem, independent of its representation in a particular computer language. The heuristic classification problem-solving model provides a useful framework for characterizing kinds of problems, for designing representation tools, and for understanding non-classification (constructive) problem-solving methods.

86-1077 124
Finin, T., Silverman, D.: Interactive classification: a technique for the acquisition and maintenance of knowledge bases. Orig. en. Philadelphia, PA: Univ.of Pennsylvania. Dept.of Computer and Information Service 1985, MS-CIS-84-17

86-1078 128-16
Vojshvillo, E.K., Degtyarev, M.G.: Some logical and gnosiological problems of the theory of measurement. Orig. u. Vest.MGU: Filos., No 5, 1985. p.49-56, 18 refs.

86-1079 128-61
Makarczyk, W.: Metaphor which denotes binding, as used for labelling the types of interpersonal relations. Orig. en. Int.

Classif. Vol 13, No 2, (COCTA News) 1986. p.101-102
Terms like social bond, integration, cohesion, etc. constitute a kind of family of terms based on the same metaphor.

86-1080 128-82
Semenyuk, E.P.: Infonnatics: its scope and essence. An analysis of the current situation. Orig.en. Automatic documentation and mathematical linguistics Vol 18, No 4, 1985. p.1-13, 42 refs.

86-1081 128-826
Wallace, D.P.: A preliminary examination of the meaning of user friendliness. Orig. en. In: Parkhurst, C.A., Cooper, L., Helter, P.: Proc.ASIS Ann.Meeting 22. White Plains, NY: Knowledge Industry 1985. p.337-341, 13 refs.

86-1082 128-878
Dijkhuis, W.: Electronic publishing - a taxonomy of definitions. Seeing the words from the woods. Orig. en. In: Online International Conference, London, GB, 5-7 Nov.1985. Pinner, GB: Online Publ. 1985. p.169-181, 5 refs.

14 Systems Theory in Classification

See also 86-994

86-1083 141
Aver'yanov, A.N.: Systems cognition of the world: Methodological problems. Orig.ru. Moskva, SU: Izd.-vo Polit.Lit.1985.263p.

15 Psychology and Classification

86-1084 151
Objective truth in science: the dialectics of creation and substantiation. Orig.ru. Sverdlovsk, SU: Ural'skij Universitet. Sbornik Trudov 1984. 149p.
Includes the following papers: 86-1085 Lyakhova, L.N.: Theory as a form of cognition of truth. - 86-1086 Andryukhina, L.M.: The role of the scientific thinking style in achieving the truth of a theory. - 86-1087 Bryanik, N.V.: The truth and systemic nature of scientific knowledge. - 86-1088 Kiselev, V.A.: Aesthetic criterion of truth.

86-1089 153
Ziben, V.V.(Ed.): Social determination of cognition: Conference proceedings. Papers of a scientific conference, held on 19-20 Sept.1985. Orig.ru. Tartu, SU, 298 p.

16 Development of Science and Classification

86-1090 161; 19
Mayerhöfer, J.: Geschichte und Theorie des sozialen Wissens. (History and theory of social knowledge) Orig. de. Biblos Vol 35, No 1, 1986. p.36-62, 28 refs.

86-1091 161
Järyelin, K., Repo, A.J.: A taxonomy of knowledge work support tools. In: Challenges Inform.Soc. Proc.ASIS Ann.Meeting 1984. White Plains, NY: Knowledge Ind.Publ. 1984. p.59-62, 13 refs.

86-1092 162
Kedrov, B.M.: A classification of sciences. K.Marx's forecast for the science of the future. Orig.ru. Moskva, SU: Mys'1 1985. 543p.
Examination of the historical, logical and methodological, and other aspects of the interrelation of the sciences as well as the evolution of science classification and its basic trends. Presentation of a systems approach to the study of the interrelations of sciences.

86-1093 162
Bernshtejn, E.S.: Towards the place of the gap analysis method in the logical structure of knowledge. Orig.ru. Nauchn.-tekh. Inform., Ser.2, No 6, 1985. p.1-14, 23 refs.

86-1094 1622
Karpov, Yu., Baturin, A., Eichler, T.: Structural studies of problem-oriented bibliographic files using cluster analysis of terminological networks. Orig. ru. In: Database '83. Budapest 1984. p.602-608, 5 refs.

86-1095 1623
Narin, F., Carpenter, M.: Are technology and science becoming indistinguishable? Orig. en. In: Challenges Inform.Soc., Proc. ASIS Ann.Meeting 1984. White Plains, NY: Knowledge Ind.Publ. 1984. p.199-203, 4 refs.

86-1096 163
Popova, N.L.: Extrapolation as a vehicle of scientific cognition and an integrative factor in science. Orig. ru. Kiev, SU: Nauk.Dumka 1985. 111p.

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Kara-Murza, S.G.: Methodological issues of defining the structure of science fronts and identifying new scientific trends. Orig.ru. In: Fundam.issled.i tekhn.progn. Novosibirsk, SU 1985. p.58-64, 3 refs.

19 History of Classification

See also 86-1090, 86-1216, 86-1268

86-1098 193; 382
Wellisch, H.H.: The oldest printed indexes. Orig. en. Indexer Vol 15, No 2, 1986. p.73-82, 14 refs.

2 STRUCTURE AND CONSTRUCTION OF CS & T

21 General questions of CS & T

See also 86-1049

86-1099a 211; 24
Tsalenko, M.Sh.: Canonical representation of irreducible systems and classification schemes. Orig. ru, transl.into en. Autom.Doc.& Math.Linguistics Vol 19, No 1, 1985. p.47-55, 15 refs.

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The usage of Derwent's World Patent Index and of the Chemical Abstracts database for searching patents related to chemical substances is outlined as well as the retrieval procedure for patent documents in the mechanical and electrical engineering field in the Derwent and Inpadoc databases.

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Bryant, J.H., Terapane, J.F.: Online searching in the U.S. Patent and Trademark Office. Orig. en. World Patent Inform. Vol 7, No 1-2, 1985. p.133-138, 1 ref.
Presented are also the results of two studies using LEXPAT, the full text data base of recent U.S.patents. The first study focuses on what segment of the patent text is needed for high levels of recall and precision in text searching. The second reports the impact of a combined classification and text search strategy on recall and precision.

86-1307 753
Kascus, M.A.: (Book review of) Cochrane, P.A.: Redesign of catalogs and indexes for improved online subject access: Selected papers of Pauline A. Cochrane. Phoenix, AZ: Oryx Press 1985. Orig. en. Cat.& Classif.Quarterly Vol 7, No 1, 1986. p.80-81

86-1308 755; 842
Wittmann, A., Schikarski, L.: Effects of language barrier in searching free-text data bases. Orig. en. World Patent Inform. Vol 7, No 1-2, 1985. p.145-150, 4 refs.
As most data bases allowing online dialog searching are based on English texts, users not speaking English as their mother tongue may be at a loss. The authors propose to establish free-text searchable data bases enabling the searcher to use his German mother tongue, in addition to graphical information to be presented on the screen.

86-1309 756
Oberhauser, O.: Klassifikation in Online-Informationssystemen. (Classification in online information systems) Orig. de. Int. Classif. Vol 13, No 2, 1986. p.79-87, 13 refs.
Pt.1 discusses the following questions: To what extent are classification schemes as a means of subject access to be found in bibliographic databases? What is the nature of these systems and their notation? Pt.2 shows several advantageous applications of using classification codes in bibliographic online searching. Pt.3 deals with modifications and changes of classification systems, which constitute the main problem when using them in online searching. Thus the searcher is informed how to apply classification for improving search strategies but also how to overcome such difficulties. (Author)

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86-1313 756
Popov, I.I., Kravchenko, A.E., Pavlov, A.N.: Aspects of implementation and use of a documental-lexical information base. Orig. ru. In: Probl.sozdaniya retrosp.poisk.massivov v avtomatiz.tsentrah NII. Ch.2. Moskva, SU 1985. p.56-57

86-1314 756
Zharov, L.V., Matveenko, V.A., Makhmudzade, R.A.: The language processor of a classifier question-answering system. Orig. ru. In: Probl.sozdaniya retrosp.poisk.massivov v avtomatiz.tsentrah NII. Ch.2. Moskva, SU 1985. p.54-55

757 Expert Systems

See also 86-920, 86-921, 86-1063, 86-1066, 86-1069

86-1315 757.01
Emrich, M.L.: Expert systems bibliography: 1981-1984. Orig.en. Oak Ridge, TN: Oak Ridge Natl.Lab.1985. 134p. NTIS DE 850-18160
An extensive listing of references is presented. For increase utilization of the citation, several indexes are included. Categorization of citations into subject groups (including machine learning, uncertainty and fuzzy logic, and Fifth generation computing) are provided along with a glossary of terms for the field.

86-1316 757
Fournier, C.: Les systèmes experts. (The expert systems) Orig. fr. Doc.bibl. Vol 31, No 3, 1985. p.133-135

86-1317 757
Appelrath, H.-J., Kriz, J.: Wissensbasierte Expertensysteme. (Knowledge-based expert systems) Orig.de. Neue Zürcher Zeitung Oct.29, 1986
General survey on characteristics of expert systems, their realization, applications, and their state of development.

86-1318 757; 247
Zemankova-Leech, M., Kandel, A.: Fuzzy relational databases - a key to expert systems. Orig. en. Köln, DE: Verlag TÜV Rheinland 1984. 178p.

86-1319 757
Le Beux, P., Fontaine, D.: Un système d'acquisition des connaissances pour systèmes experts. (A knowledge acquisition system for expert systems) Orig. fr. T.S.I. Tech.sci.inform. Vol 5, No 1, 1986. p.7-20

86-1320 757
Michie, O.: Current developments in artificial intelligence and expert systems. Orig.en. In: Cawkell, A.E. (Ed.); Handbook of Information Technology and Office Systems. Amsterdam, NL: North-Holland 1986. p.763-777

86-1321 757
Stohr, E.A.: Decision support and knowledge-based systems. Orig. fr. J.Management Inform.Syst. Vol 2, No 4, 1986. p.5-7

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Vitek, M.: Possibility seeking systems (Expert systems). Orig. en. In: Approximate Reasoning in Expert Systems. New York, NY: Elsevier Science Publ. 1985. p.499-504, 5 refs.

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Altman, N.S.: Expert systems and statistical expertise. Pt.1: Statistical expert systems. Orig. en. Stanford, CA: Univ.of Stanford 1985. 29p., NTIS AD-A 159 503

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Liebowitz, J.: Useful approach for evaluating expert systems. Orig. en. Expert Systems Vol 3, No 2, 1986. p.86-96, 25 refs.

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86-1326 758-2
Aitchison, T.M.: Online and the database producer. Orig. en. J.Inform.Sci. Vol 9, No 2, 1984. p.75-80, 3 refs.

76 Lexicon/Dictionary Problems

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Bevzenko, E.A., Gal'perina, T.A., Kruchenitskaya, E.A., Kuznetsov, B.A., Khoroshilov, A.A.: Automated construction of keywords frequency vocabularies used for document descriptions. Orig. ru. Nauch.-tekhn.inform.,Ser.2, No 8, 1985. p.28-31

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Sedelow, S.Y.: Computational lexicography. Orig. en. Comput.& Humanities Vol 19, No 2, 1985. p.97-101

86-1328b 764
Matveenko, T.F.: The terminological dictionary of the Transsectoral Automated Scientific and Technical Information System. Orig. ru. In: Probl.sozdaniya retrosp.póisk.massivov v avtomatiz.tsentrakh NTI. Ch.2. Moskva, SU 1985. p.74-77

86-1329 764
Khoroshilov, A.A.: A dictionary of inter-word semantic associations as a tool for raising recall in online IR systems. Orig. ru. In: Probl.sozdaniya retrosp.póisk.massivov v avtomatiz. tsentrakh NTI. Ch.2. Moskva, SU 1985. p.65-66

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Vladimirova, E.V., Karpova, G.D., Lesskis, G.A., Urinovskaya, I.D.: An endings dictionary in the SKOBKI automatic document indexing system. Orig. ru. Nauchn.-tekhn.inform.,Ser.2, No 6, 1985. p.29-31

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Abramova, N.N., Bevzenko, E.A.: Automating the compilation of phrasal dictionaries on nonformalised texts. Orig. ru. In: Probl. sozdaniya retrosp. poisk.massivov v avtomatiz.tsentrakh NTI. Ch.2. Moskva, SU 1985. p.63-65

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Bielonogov, G.G., Zagika, E.A., Kuzniecowa, B.A., Nowosiolow, A.P., Szturman, J.P.: Automatic generation of glossaries. Orig. pl.

Aktual.Probl.Inform.Dok., No 6, 1985. p.12-18
Methods of automatization of linguistic works carried on within the process of generating glossaries used for machine processing of natural-language texts are presented. The application of the described algorithm enables the assignation of grammatical attributes to any word-form as well as the qualification of its morphological structure. The method under examination is used when generating thematic databases. It enables not only a considerable shortening of the time which is necessary for the realization of glossaries but also the improvement of their quality. It may be well to add that costs of the correction are much smaller if the described method is used. (Authors)

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Kazakevich, O.A.: Machine-readable dictionaries (a survey of foreign publications). Orig. ru. Nauch.-tekhn.inform., Ser.2, No 9, 1985. p.25-29

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Matveenko, T.F., Mologin, S.S., Mushkova, L.H.: Maintaining the terminological dictionary of the Interdisciplinary Computerized STI System. Orig. ru. In: Probl. sozdaniya retrosp.póisk.massivov v avtomatiz.tsentrakh NTI.Ch.2.Moskva,SU 1985.p.72-74

77 General Problems of Terminology

See also 86-922, 86-971, 86-983

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Picht, H., Draskan, J.: Terminology. An introduction. Orig.en. Guildford, GB: University of Surrey. Dept. of Linguistics and International Studies 1985. 265p., 33 refs.

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Bühler, H.: (Book review of) Picht, H., Draskan, J.: Terminology: An introduction. Guildford, Surrey, England 1985. 265p. Orig.en. Special Language - Fachsprache 8(1986)No 1-2. p.77-78

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Hoffmann, L.: (Book review of) Fluck, H.-R.: Fachsprachen. Einführung und Bibliographie. 3.aktualis. u.erw. Aufl. (Special languages. Introduction and bibliography. 3rd ed.) Orig. de. Tübingen,DE: Francke Verl. 1985. 293p., Uni-Taschenbücher 483

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A number of contributions from Denmark, originally published in TermNet News No.12/1985: 86-1339 Picht, H.: Terminology research and terminology training. - 86-1340 Hamburger, A.: The terminology tasks of the Danish Language Commission. - 86-1341 Picht, H.: Practical terminology work. - 86-1342 Engell, G., Nistrup-Madsen, B.: Danterm (the Danish Terminol.Bank). 86-1343 Reuss, H.J.: Standardization activities within the field of terminology. - 86-1344 Spang-Hanssen, H.: IuD and terminology.

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Nedobity, W.: Terminology transfer and terminological training. Orig. en. Terminol.et Traduct., No 2, 1986. p.43-50, 7 refs. Paper presented at the TERMIA Conference, Luxembourg, 1984.

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Felber, H.: The activity of ISO/TC 37 "Terminology (Principles and Coordination)". Orig.en. Terminol.et Traduct., No 2, 1986. p.115-117, 4 refs.

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Gor'kova, V.I.: Terminology unification and standardisation. Orig. ru. In: Probl.sozdaniya retrosp.póisk.massivov v avtomatiz.tsentrakh NTI. Ch.2. Moskva, SU 1985. p.3-7

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Burtseva, I.P., Petukhova, T.I.: Topical questions of the scientific and technical examination of draft standards for terms and definitions. Orig.ru.Nauch.-tekhn.terminol.,No 5,1985.p.1-6

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Zhuravlev, V.F.: Philosophical and logical problems of terminological science. Orig.ru. Nauch.-tekhn.terminol., No 8,1985. p.1-6

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Anyushkin, E.S.: Terminology and language culture. Orig.ru. In: Aktual.probl.nauch.-tekhn.perevoda. Voronezh, SU 1985. p.30-31

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Peshkova, N.S., Spiridonova, E.S.: Basic characteristics of the terminological vocabulary. Orig. ru. In: Aktual.probl.nauch.-tekhn.perevoda. Voronezh, SU 1985. p.42-43

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Levitskaya, A.P., Zhachkina, V.A.: Some ways of terminological vocabulary updating. Orig. ru. In: Aktual.probl.nauch.-tekh.n.perevoda. Voronezh, SU 1985. p.42

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Sager, J.C.: International scientific terminology: Prospects and limitation. Orig. en. Neoterm, No 1, 1984. p.20-25
Proposal that an international clearing house could coordinate the diffusion of international scientific terminology, but it should not interfere in the coining process. Trends and tendencies in term creation should be mapped, with a view to describing prevalent rules in term creation. (Author)

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Greule, A., Ahlvers-Liebel, E.: Sprachpflege als Wissenschaft. (Language culture as a scientific field) Orig.de. Sprachdienst Vol 30, No 5, 1986. p.129-141
Summary of the contents of a book on this title stressing the following topics: What does it mean "Language culture as a scientific field"? On the history of Germanistic language culture. Survey on contemporary German language culture activities. On a scientific foundation of language culture.

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Kiyak, T.R.: The level of motivation to choose and order international terms. Orig.ru. Nauch.-tekh.inform., Ser.1, No 10, 1985. p.15-19

86-1356 776
Yu, Y.Y.: Aufbau eines Deutsch-Chinesischen Terminologie-Datenbanksystems. (Constructing a German-Chinese terminology database system) Orig. de. Nachr.Dok. Vol 37, No 1, 1986. p.9-13

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Miyajima, T.: Ober die Entwicklung der japanischen Fachsprachen. (On the development of Japanese special languages) Orig. de. Special Language - Fachsprache 8(1986)1-2. p.2-15, 4 refs.

78 Subject-Oriented Terminology Work

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Loening, K.L.: ACS Committee on Nomenclature: Annual Report for 1985. Orig. en. J.Chem.Inform.Comput.Sci. Vol 26, 1986. p.83-86, 44 refs.

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Tkacheva, L.B.: Extralinguistic and intralinguistic features of a terminological system and their role in the search for equivalents. Orig. ru. In: Aktual.probl.nauch.-tekh.perevoda. Voronezh, SU 1985. p.40-49

86-1361 78-446
Cross, D.G.: Terminology in fisheries statistics. Orig. en. Terminol.et Traduct., No 2, 1986. p.19-25

86-1362 78-53
Lurquin, G.: Internationalisation et terminologie. (Internationalization and terminology) Orig. fr. Neoterm, No 2, 1985. p.11-17, 15 refs.

86-1363a 78-53
Anderson, J.: Data dictionaries - a way forward to write meaning and terminology into medical information systems. Orig.en. Meth.Inform.Med. Vol 25, 1986. p.137-138 (Editorial), 7 refs.
Points to the necessity to properly define medical terminology, especially also for the necessary unity of recording and interpretation in medical data documentation.

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Rothwell, D.J.: Medical nomenclatures and classifications for health data management - Report on a Round Table Discussion. Orig. en. Meth.Inform.Med. Vol 25, No 2, 1986. p.125-127
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86-1364 78-63
Chaffey, P.: Translation of administrative terminology. Orig. en. Terminol.et Traduct., No 2, 1986. p.37-41
Reports about experiences made in Norway.

86-1365 78-7
Fugger, B.: Problèmes et conséquences linguistiques d'une "nouvelle" terminologie économique française. (Problems and consequences of a new French terminology for economics) Orig. fr. Special Language - Fachsprache 8(1986)No 1-2. p.15-26, 17 refs.

86-1366 78-71/2
Scholtes-Schmid, G.: Die Beschreibung von Wirtschaftsfachsprachen. (The description of special languages of economics) de. Special Language - Fachsprache 8(1986)No 1-2. p.35-44, 4 refs.

86-1367 78-733
Felber, H.: (Book review of) Baakes, K.: Theorie und Praxis der Terminologieforschung Deutsch-Englisch (am Beispiel der Umformtechnik in der Metalbearbeitung). Heidelberg: Groos 1984. 249p. (Theory and practice of terminology research) Orig. de. Special Language - Fachsprache Vol 8, No 1-2, 1986. p.73-77

86-1368 78-746
Zhuravleva, Z.V.: Systems terminological analysis: research in progress. Orig. ru. Nauch.-tekh.terminol., No 9, 1985. 27p.

86-1369 78-814
Prasad, K.N.: Glossary of library classification terms. Orig. en. Libr.Sci.with a Slant to Doc. Vol 21, No 3, 1984. p.129-134, 4 refs.
Review of the development of terms in the field of library classification in India based on a comparative census of the terms contained in the three editions of the Prolegomena to Library Classification (1937, 1957, 1967). Presents the conclusion that the field of library classification conforms to the science of glossematics.

86-1370 78-814; 42
Borisova, N.D., Gendlina, I.E., Matua, N.A., Kalinina, G.I., Smirnova, A.I.: Ordnung und Unifizierung der wissenschaftlichen Terminologie am Beispiel der Ausarbeitung des fünf-sprachigen Fachwörterbuches für Theorie und Anwendungspraxis der Universal-Dezimal-Klassifikation. (Order and unification of scientific terminology exemplified in the elaboration of the five-language special dictionary for theory and practice of the UDC) Orig. de. Dok./Inform. No.66 1985. p.108-115

86-1371 78-824
Styazhkin, N.I., Zhuravleva, V.S.: Optimisation of the file of present-day key archival terms and their definitions: Logical aspects. Orig.ru. In: Metodol.vopr.arkhivoved.i.org.dok.v arkh. Moskva, SU 1984. p.142-161, 14 refs.

86-1372 78-826
Nie, F.: Zur Terminologie und Typologie von Fakteninformationssystemen. (Towards terminology and typology of factual information systems) Orig. de. Nachr.Dok. Vol 36, No 2, 1985. p.66-72, 12 refs.

A proposed typology of information systems illustrates the differences and similarities among various factual databases. Any classification depends on the choice of characteristics used and can only be judged on the basis of its ability to accomplish a given goal. Using examples, the difference between structural and functional characteristics is discussed. Classification according to the aspect of search process leads to two relatively stable groups: fact retrieval systems and fact processing systems. A further categorization within these groups results in a total of seven types ranging from referral databases (for works of art, products and articles, raw materials, events and occurrences, geographic and demographic data to statistical databases (statistics and numeric data).

86-1373 78-826
Popowska, H.: Data bases - terminological problems, classifications and online services. Orig. pl. Aktual.Probl.Inform. Dok., No 5, 1985. p.22-30
The article deals with three problems concerning data bases: differences relating to data bases defining in computer and information science with attention paid to the reasons for these differences; selected attempts to build up a classification of data bases; and presentation of selected data on online services.

86-1374 78-916
Roberts, R.: The terminology of translation. Orig. en. Meta Vol 30, No 4, 1985. p.343-352

79 Problems of Multilingual Systems

86-1375 791
Terminologie et traduction. Enquête auprès des traducteurs. (Terminology and translation: an inquiry among translators) Orig. fr. Charenton, FR 1985. 27+18p., MIOIST-83 2 94 0251

86-1376 796
Martinovic, S.: Computerization of a multilingual thesaurus. Orig. sh. Informatika (Beograd) Vol 19, No 1, 1985. p.21-35

Continuation of groups 8 and 9 in Int.Classif.1987-1

Please, correct: The volume indications of the Chinese journal "Zhong Guo Keji Qing Bao Xue Hui Kan" are incorrect in the last issue of this service (Nos. 86-659, -663, -664, -688, -690, -693, -732, -734, -742, -747, -762, -806, -845, -887. The journal started with Vol.1 in 1982 (not 1981!) and is currently (1986) in its 5th year!

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