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\*\* CS & T stands for Classification Systems and Thesauri  
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Personal Author Index U3

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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

86-001 013  
Gesellsch.f.Information u.Dokumentation (GID): Thesaurus Guide Analytical directory of selected vocabularies for information retrieval, 1985. Amsterdam: North-Holland; Luxembourg: Office For Official Publications of the European Communities 1985. XXXVI, 748p. ISBN 0 444-87736-3 (N.-H.); 92-825-4897-X (EC)  
This project of the European Communities was carried out by a team of the GID, principal investigator was Dr.M.-Th.Rolland, Bonn. The directory comprises data on 462 thesauri, all of them were collected on the basis of the original documents. The thesaurus analysis was carried out using a specially devised questionnaire in English, French and German. The entries were standardized and the subject headings were translated for the trilingual index. The data were automatically input and edited using FIDAS. The guide comprises the following sections: Thesaurus descriptions, index of organizations, index of persons, subject indexes, alphabetically arranged for each language, de, en, fr. In addition to thesauri, including also subject heading lists, 192 references were included which contain information on current thesauri not yet available, and planned and discontinued thesaurus projects, unstructured lists of keywords, and out-of-date thesauri. The arrangement is by ten main groups of disciplines with a total of 51 subgroups. Within the latter the thesauri are arranged according to subject similarity. The description gives data in the following 12 fields: Responsible organization, originator, language, availability, fields covered, terms, display, subdivision, relational structure, notation, construction and maintenance, implementation. The thesauri collected have been integrated into the existing library of the GID Informationszentrum. In addition to the printed volume, a data base is being prepared, accessible via ECHO (Europ.Comm.Host Organization), Customer Service, 177, route d'Esch, L-1471 Luxembourg.

86-002 016  
Beck, H.: Book review of International Classification and Indexing Bibliography. Vol.1: Classification Systems and Thesauri. Vol.2: Reference Tools and Conferences in Classification and Indexing 1950-1982. Frankfurt/M: Indeks Verl.1982, 1984. 157+160p. Orig.de. Zbl.Bibl.wes. 100(1986)No 3, p.123-126

86-003 016.3  
Milstead, J.L.: Book review of Wellisch, H.: Indexing and Abstracting 1977-1981: an international bibliography. Santa Barbara, CA: ABC-CLIO Inform. Serv.1984. 295p. Orig. en. Inform. Proc.& Management Vol 22, No 2, 1986. p.176-177

### 02 Literature Reviews

86-004 026.3  
Hickey, D.J.: Cataloging and classification. Developments during 1983. Orig. en. ALA Yearbook of Libr.& Inform.Serv. Vol 9, 1984. p.98-99

86-005 026.9  
Neufeld, M.L.: Abstracting and indexing services. Developments during 1983. Orig. en. ALA Yearbook of Libr.& Inform.Serv. Vol 9, 1984. p.33

### 03 Dictionaries, Terminologies

86-006 032  
Vocabulaire de la documentation. Orig. fr. Paris la Défense: AFNOR 1985. 125p., ISBN 2-12-484011-8

86-007 032  
Rückl,S., Schmoll,G. (Eds.): Lexikon der Information und Dokumentation. (Lexicon of information and documentation) Orig.de. Leipzig: VEB Bibliogr.Institut (Also available from K.G.Saur Verlag, Pörsbacherstr.2b, D-8000 München 71) 1984. 535 p. Compilation of articles by 128 authors. Some 112 concepts (and many terms leading to them) are from the fields of classification and indexing. The arrangement is alphabetical with a systematic index given in addition which distinguishes between terms denoting concepts explained in detail and subconcepts covered by such articles or their synonymous terms. There is also an index which gives the Russian and English equivalents to the approx.1700 German terms.

86-008 032  
Satiya,M.P.: Book review of Harrod, L.M.: Harrod's Librarians' Glossary of Terms...and Reference Book. 5th ed., by R.Prytherch. Aldershot: Gower Publ.1984. 861p. Orig.en. Int.Classif. Vol.12, No.3, 1985. p.164-165

## 04 Classification Systems & Thesauri

86-009 041  
Verein der Bibliothekare an Öffentlichen Bibliotheken (Comp.): Systematik für Bibliotheken (SfB). Sonderlieferung Musikalien. (Classification system for libraries. Special delivery: Music) Orig.de. München,DE: K.G.Saur Verl. 1985. 29p. ISBN 3-598-20584-0

86-010 041.8  
VLB Schlagwort-Verzeichnis. 8.Ausg., 4 Bde. (Subject Heading List of the List of Available Books) Orig. de. Frankfurt/M: Verl.d.Buchhändler-Vereinigung (Distribution through K.G.Saur, PF 711009, D-8000 München 71) 1985. 7600p. ISBN 3-7657-1296-5

042 UDC

86-011 042.1-cs-33  
Ustredí Vědeckých, Technických a Ekonomických Informací (UVTEI): Mezinárodní Desetinné Trídění: První Československé úplné vydání. (Czechoslovak Full UDC Edition). Třída 55 Vedy o Zemi. Geologie. Geofyzika. Třída 56 Paleontologie. Orig. sk. Bratislava, CSSR: Slovenská technická knižnica (Orders: UVTEI. Konviktská 5, CSSR-113 57 Praha 1) 1985. 147p.

86-012 042.1-en-6  
British Standards Institution (BSI): English Full UDC Edition. UDC 3/31 Social sciences in general. Demography. Sociology. Statistics. Orig. en. Milton Keynes, GB: BSI 1985. 34p., ISBN 0-580-14552-2, FID 483; BS 1000(3/31)

86-013 042.1-en-71  
British Standards Institution (BSI): English Full UDC Edition. UDC 33 Economics. Orig. en. Milton Keynes, GB: BSI 1985. 118p., ISBN 0-580-14332-5, FID 483; BS 1000(33):1985

86-014 042.2-en  
British Standards Institution (BSI): Universal Decimal Classification. International Medium Edition. Pt.1: Systematic Tables Orig.en. Milton Keynes, GB: BSI 1985.  
The publication of Pt.2, Index, will follow in 1986. BS 1000M is offered in two forms: in traditional book form and in machine readable form, to any format specified by the customer.

86-015 042.1-it-6  
Consiglio Nazionale delle Ricerche. Ist.di Studi sulla Ricerca e Doc.Sci.: Classificazione Decimale Universale. Edizione completa italiana. Classe 3. Scienze sociali. Legge. (Italian full UDC edition. Class 3: Social Sciences. Law.) Orig. it. Roma, IT: Edizione Dell'Ateneo 1984. 428p., FID 479  
With this and the following class 7 (see 86-016) the Italian full UDC edition is now complete from class 1 to class 9, with the general auxiliaries and class 0 available in the medium edition.

86-016 042.1-it-93/95; 578; 58  
Consiglio Nazionale delle Ricerche. Ist.di Studi sulla Ricerca e Doc.Sci.: Classificazione Decimale Universale. Edizione completa italiana. Classe 7: Arti. Ricreazioni. Trattenimenti. Sport. Orig. it. Roma, IT: Edizione Dell'Ateneo 1985. 210p., FID 479  
See remarks to 96-015

86-017 042.3-nl  
Nederlands Orgaan voor de Bevordering van de Informatieverzorging (NOBIN): Universele Decimale Classificatie: Nederlandse uitgave. 14e Druk. (14th Dutch Abridged Edition of the UDC) Orig. nT. NL-1440 AA Punnenend, Postbus 13: MUUSSES Uitgeverij 1985. FID 646

048. OTHER UNIVERSAL SYSTEMS

86-018 048.1  
Zentralist. für Information und Dokumentation der Deutschen Demokratischen Republik (ZIID), Berlin, DD: Rubrikator des Staatlichen automatisierten Systems der wissenschaftlich-technischen Information der UdSSR. Alphabetisches Sachregister. (Classification system of the governmental automated system for scientific and technical information of the USSR, Vol.2: Alphabetical subject index) Orig. de. Berlin, DD 1984. p.161-333  
The index comprises the terms and codes of the first three levels of the classification system.

86-019 048.93  
Hudson, R., Rodman, J.: The NSF/NEH/HIH keyword thesaurus experimental project. Orig.en. Journal of the society of research administrators Vol 17, No 1, 1985. p.5-12  
The thesaurus is to serve research opportunity announcements and proposal response. It contains also a list of program types, target groups and beneficiaries.

86-020 048-284  
International Atomic Energy Agency (IAEA): INIS: Thesaurus.  
Wien, AT: IAEA 1985. 799 p., ISBN 92-0-178185-7, IAEA-INIS-13  
(Rev.24)

86-021 048-31/32  
NASA Thesaurus Supplement. Orig. en. No 1, 1984. p.1-14  
This new service supersedes the former 6-Month Cumulative List-  
ing of the NASA thesaurus changes. The issues will be cumula-  
tive and will appear every 6 months.

86-022 048-39...  
Fischer, K.H. (Bearb.): Landesbildstelle Berlin, Zentrum für  
audiovisuelle Medien, Berlin, DE: Berlin-Thesaurus. Bd. 1: Al-  
phabetischer Teil. Bd. 2: Systematischer Teil., Orig. de. Ber-  
lin, DE 1985 (Bd.1), 1984 (Bd.2). 1214, 418 p.  
The systematic part of this thesaurus comprises 12,543 des-  
criptors.

86-023 048-387  
Charreyon, M.: Information "Matières plastiques". Coopération  
France-Allemagne-Angleterre. Elaboration d'un Thésaurus tri-  
lingue. ("Plastic" information. Cooperation between France-  
Germany-England. Compilation of a trilingual thesaurus).  
Paris, FR: Mission Interministérielle de l'Information Scien-  
tifique et Technique. Centre d'Etude des Matières Plastiques.  
1983. MIDIST-82 Z 0225

86-024 048-53  
Medical subject headings - supplementary chemical records,  
1984. Orig.en. Bethesda, MD: National Library of Medicine,  
Bibliographic Services Div. 1983. 1044 p., PB 84-117571  
Contains records of some 24,000 chemicals.

86-025 048-657  
Unesco: Thesaurus SPINES. Un vocabulaire contrôlé et structuré  
pour le traitement de l'information relative à la science et  
la technologie au service du développement. Orig.fr. Paris,FR:  
Unesco 1984. xvii,774 p. = Etudes et documents de politique  
scientifique, 50, ISBN 92-3-202257-5  
French version of the SPINES Thesaurus, published in English  
in 1976. It contains 11,462 terms linked by 78,134 semantic  
relations and is meant to serve centers dealing with the sci-  
entific, technological, economic, social and cultural develop-  
ment. It is also available on magnetic tape.

86-026 048-727  
Thesaurus I.N.C. (Thesaurus of the National Institut of Con-  
sumption). Orig. fr. Paris, FR: Institut National de la  
Consommation. 1983. 18 p. MIDIST-83 3 94 0009  
Description of the project with an extract of the thesaurus  
in the annex.

86-027 048-75  
Building Services Research and Information Association (BSRIA):  
Building services thesaurus. An extension to the Construction  
Industry Thesaurus. Orig.en. Bracknell, Berkshire, GB: BSRIA  
1983. 68 p., ISBN 0-86022-186-5

86-028 048-814  
Dahlberg, I.: The International Classification and Indexing  
Bibliography (ICIB) and its classification systems. Orig. en.  
Int.Classif. Vol 12, No 3, 1985. p.143-152, 3 refs.  
Description of the project (sponsored between 1980 and 1983 by  
the German Federal Ministry of Research and Technology) and  
explanation of the classification systems used for the ar-  
rangement and subject retrieval of the almost 20 000 refer-  
ences included in 5 volumes. Inclusion of the "Classification  
Literature Classification" (CLC) as well as of an outline of  
the universal system "Information Coding Classification" (ICC)  
which is used in combination with the classes of the CLC when-  
ever such a combination with a subject field is called for.

86-029 048-822  
Moreno, N.: Elaboration d'un nouveau plan de classement pour le  
fond photographique noir et blanc contemporain de la photo-  
thèque de la Documentation française. (Elaboration of a new  
classification scheme for the black and white photograph pool  
of the photographic collection of Documentation Française).  
Orig.fr. Paris, FR: C.N.R.S. 1985. 76 p., Diss. Paris: Institut  
National des Techniques de la Documentation

86-030 048-825  
Genre Terms, a thesaurus for use in rare books and special col-  
lections cataloguing. Orig.en. Chicago, IL: Amer.Lib. Assoc.,  
Assoc. of College and Research Libraries, 45 p.

86-031 048-96  
African Cultural Institute, Regional Research and Documentation  
Centre for Cultural Development: International thesaurus of  
cultural development: Sub-Saharan Africa. Paris, FR: Unesco  
1985. 609 p., ISBN 92-3-002300-0

## 05 Periodicals and Serials

86-032 05.25  
Janssen, J. (Ed.), Marchotorchino, F. Proth, J. (Ass.Eds.): Ap-  
plied stochastic methods and data analysis. Orig. en. Vol 1,  
No 1, Chichester, GB, New York, US: J.Wiley & Sons 1985. 78 p.,  
(4x/ann.)

This new journal is meant to serve as an interface between the  
theoretical aspects of applied probability and data analysis  
and their applications to the real world and, to give great  
emphasis to the comparison of various methods available and  
the elaboration of new types of solutions (Editorial). The  
first issue contains 6 articles, two on statistical valida-  
tion (L.Guttman, M.Schader & F.Schmid), one on production man-  
agement (H.Garcia & J.M.Proth), one on biometrics (P.Parisot)  
one on economics (F.Abikhalil et al), and one on reliability  
(S.Yamada & S.Osaki). In further issues, Letters to the Edi-  
tor, Book Reviews, and Announcements are to be included also.

## 06 Conference Reports, Proceedings

86-033 06.81-05-24/27; 78-6  
Hartwig, G.: Book review of Riggs, F.W.: The CONTA Conference.  
Proc. of the Conf.on conceptual and terminological analysis in  
the social sciences. Bielefeld, DE, May 24-27, 1981. Frankfurt,  
DE: Indeks Verl. 1982. XII, 368 p. Int.Classif. Vol 12, No 3,  
1985. p. 161-162

86-034 06.83-04; 77  
Fedora de Diego, A., Boroni de Sanchez-Vegas, M.: Actas del primer  
seminario nacional de terminología. (Proceedings of the  
first national terminology seminar) Orig.es. Caracas, VE: Uni-  
versidad Simon Bolivar 1984. 402 p.

86-035 06.83-05-12/14; 812  
Stepniakowa, E.: International conference on the catalogue sys-  
tem of national libraries (Moscow, May 12-14, 1983). Orig. pl.  
Prz.bibl. Vol 52, No 2, 1984. p.204-210

86-036 06.83-09-9/12; 76  
LEXeter '83. Proc. Papers from the Intern.Conf.on Lexicography  
at Exeter, GB, Sept.9-12, 1983. Orig. en. Tübingen, DE 1984.  
ix, 452 p., figs. = Lexicographica. Ser.maior 1

86-037 06.83-10-10/14; 248-969  
Die Anwendung numerischer Methoden in der Archäologie. (Appli-  
cation of numerical methods in archaeology) Orig.de, en. Wiss.  
Z.Humboldt-Universität zu Berlin, Gesellschaftswiss.R. Vol 35,  
No 1, 1986. 112 p.

The Foreword was written by St.Wenig. The volume comprises the  
papers of a workshop held on 10-14 Oct.1983 at Steinförder  
near Fürstenberg/Havel (GDR) with 25 participants from 6 coun-  
tries. The papers were in German (de) and English.

86-038 Hintze, F.: Mathematical methods in archaeology (de),  
p.9-20. - 86-039 Adams, N.K.: Textiles at Qasr Ibrim: an in-  
troduitory quantitative study, p.21-26. - 86-040 Adams, W.Y.:  
From pottery to history: the dating of archaeological deposits  
by ceramic statistics, p.27-45. - 86-041 Diskell, B.N.: The  
status of basketry analysis at Qasr Ibrim, p.46-49. - 86-042  
Harting, D.: On the classification of the meiotic ceramics of  
Musawwarat es Sufra with cluster-analytic procedures, (de)  
p.50-58. - 86-043 Hintze, F.: Contribution to cluster analysis  
and seriation: Simple procedures for determining the "Most ty-  
pical member" and for generating P, Q, and R matrices (de), p.  
59-66. - 86-044 Hintze, F.: Seriation and the Robinson matrix  
(de), p.67-69. - 86-045 Strouhal, E.: Statistical evaluation of  
the dimensions of the Wade Qitna tumuli, p.77-82. - 86-046  
Thelwall, R.: Genetic language classification and cluster anal-  
ysis, p.83-87. - 86-047 Urbanec, Z., Cejky, J., Strouhal, E.:  
Cluster analysis of the X-group pottery from Wadi Qitna and  
Labasha-South, p.88-94. - 86-048 Wenig, St.: Classification  
and archaeology. A taxonomic study on the representation of  
Gods on the Lion Temple at Musawwarat es Sufra (de), p.95-108  
- 86-049 Strnad, E.: Legal terms of Etruscan origin (de), p.  
109-110. - 86-050 Strnad, E.: Acqua: is it an Etruscan word?  
(de), p.111. - 86-051 Strnad, E.: The original meaning of 'tex-  
tile' was 'linen'/'canvas' (de), p.112.

86-052 06.83-11-29/12-1; 77.99  
Main Trends of the Development and Improvement of Scientific-  
Technical Terminology Standardization in the 11th five-year  
plan: An All-Union Conference, Moscow, Nov.29 - Dec.1, 1983.  
Orig.ru. Moskva, SU 1983. 192 p.

86-053 06.84-02; 77  
Goffin, R.: La science terminologique. Conférence faite au qua-  
trième cycle de linguistique contemporaine, organisé en février  
1984 par la Faculté de philosophie et lettres de l'Université  
libre de Bruxelles. (Terminology science. Conference held on  
Febr.1984 at the Faculty of Philosophy and Literature, Free  
University of Brussels) Orig. fr. Terminologie et traduction,  
No 2, 1985. p.9-29, 16 refs.

86-083 07.3  
Roy, R.: Introduction à l'indexation documentaire pour les candidats aux examens et concours des bibliothèques. (Introduction into documentary indexing for students of library science) Orig. fr. Le Mans: Bibliothèque de l'Université du Maine 1985. 69p., ISBN 2-904037-05-5

86-084 07.3  
Wynar, B.S.: Introduction to cataloging and classification, 7th ed. by Arlene G. Taylor. Orig. en. Littleton, CO: Libraries Unlimited 1985. 657p., ISBN 0-87287-512-1 (cloth); -485-0 (paper) Parts 1 and 2 are concerned with cataloguing, part 3 surveys subject analysis, including coverage of the latest editions of DDC, OCSH and Sears as well as other subject analysis systems, Part 4 explores the organization and management of catalog and library services. The volume has been rewritten substantially to reflect the tremendous changes that have come with automation. A list of suggested readings accompanies each chapter.

## 08 Other Monographs (whole field)

86-085 08.1  
Krömmelbein, U.: Book review of Dutz, K.D.(Ed.): Studien zur Klassifikation, Systematik und Terminologie - Theorie und Praxis: Akten der 6. Arbeitstagung des Münsteraner Kreises für Semiotik, Münster, 25.-26. Sept. 1984. Münster: Inst.f.Allg.Sprachwiss. 1985. (Studies in classification, systematics and terminology. Acts of 6th workshop of the Münster circle for semiotics) 475p. Orig.de. Bibliothek. Forsch.u.Praxis Vol 9, No 3, 1985. p. 321-324, 13 refs.

86-086 08.2  
Gödert, W.: Book review of Weishaupt, K.: Sacherschliessung in Bibliotheken und Bibliographien. Bd.1: Klassifikatorische Sacherschliessung. Frankfurt: Klostermann 1985. 172p. (Subject analysis in libraries and bibliographies. Vol.1: Classificatory subject analysis). Orig.de. Nachr.Dok. 37(1986)No 1, p.54-6

## 09 Standards, Guidelines

86-087 09.23  
DIN Normenausschuß Klassifikation (NAK): DIN 32 705. Entwurf. Klassifikationssysteme. Erstellung und Weiterentwicklung von Klassifikationssystemen. (Classification Systems. Establishment and further development of classification systems) Orig. de. Berlin, DE: Beuth Verl. 1985. 12p. The draft standard explains classification systems (CS) according to their nature and purpose, describes their elements and structures and shows which types and kinds of CS exist and how they are to be constructed and displayed. The rules are meant for universal as well as for special CS.

86-088 09.23  
NF Z 47-200 (Mars 1985): Liste d'autorité de matières - Structure et règles d'emploi. (Authority Lists. Structure and application rules) Orig. fr. Paris La Defense: AFNOR 1985. 14p.

# 1 THEORETICAL FOUNDATIONS

## 12 Conceptology in Classification

86-089 121  
Modal and intensional logics and their application to science methodology problems. Orig. ru. Moskva, SU: Nauka 1984. 366p.

86-090 121  
Frederick, R.E.: Mereology and identity. Orig. en. Providence, RI: Brown University, Philosophy 1984. 195p. =University Microfilms Order No. ADG84-22425.8501 The dissertation is a study of the relations between individual things, parts of individual things, and boundaries.

86-091 1232  
Gonsalves, R.J.: The validity of definitions. Orig. en. New York, NY: City University of New York. Language, Linguistics 1984. 167p., Univ. Microfilms Order No. ADG84-23062 In this dissertation it is argued for the validity of definitions for semantic representation from the point of view of J. Katz's semantic theory.

86-092 124  
Bauer, G.: Wissensdarstellung für eine effektive Mensch-Rechner-Interaktion. (Knowledge representation for an effective man-computer interaction). Orig.de. Rechentechnik Datenverarb., Berlin, DD, Vol.22, No.2, 1985. p.33-36

86-093 124  
Aleksandrov, V. V.: Knowledge representation and structural forms of information process description. Orig. ru. In: Probl.-orientir.inf.sistemy. Leningrad, SU 1984. p.6-15, 7 refs.

86-094 124  
Kleshchev, A.S.: Frame models and their application in knowledge presentation. Orig.ru. In: Jaz.predstavlenija znanij i vopr.realiz.ekspert.sistem. Vladivostok 1984. p.3-12, 12 refs.

86-095 124  
Kuzin, E.S.: Knowledge representation in an intellectual interface system. Orig. ru. Tartu Olikooli tiometised, No 688, 1984, 4 refs.

86-096 124  
Molokova, O.S.: GRAST - a language of presentation of knowledge about structure and content of explanation texts. Orig.ru. In: Jaz.predstavlenija znanij i vopr.realiz.ekspert.sistem. Vladivostok, SU 1984. p.91-98, 16 refs.

86-097 124  
Uvarova, T.G.: STRATEG - a knowledge presentation language for decision making. Orig.ru. In: Jaz.predstavlenija znanij i vopr.realiz.ekspert.sistem.. Vladivostok, SU 1984. p.83-90, 5 refs.

86-098 125  
Dubrovskij, D.I.: Towards the specific nature of philosophical problems and basic categorial structures of philosophical knowledge. Orig. ru. Vopr.philos., No 11, 1984. p.62-68, 173, 10 refs.

86-099 125  
Gott, V., Semenuk, E., Ursul', A.: General scientific categories in the system of developing knowledge. Orig. ru. Obshchestv.nauki, No 6, 1984. p.100-116, 5 refs.

86-100 128-16  
Jaenecke, P.: Book review of Berka, K.: Measurement. Its concepts, theories and problems. Dordrecht et al: Reidel 1983. 262p. Orig.de. Z.f.allg.Wiss.theorie 15(1984)No 2, p.354-363

86-101 128-36  
Nazarov, I.V.: The evolution of geological concepts and geological language formalization. Orig. ru. In: Logika, poznanie, otrashchenie. Sverdlovsk, SU 1984. p.149-155, 11 refs.

86-102 128-82  
Derr, R.L.: The concept of information in ordinary discourse. Orig. en. Inform.Process.& Management Vol 21, No 6, 1985. p.489-499, 21 refs.

## 13 Mathematics in Classification

86-103 131  
Agafonov, V.N.: Mathematic means of studying library processes. Orig. ru. In: Probl.povysh.effekt.nauch.issled.v bibliotekakh Sib.i Dal.Vost. Novosibirsk, SU 1984. p.56-63, 12 refs. Three areas are identified: 1) development principles and logical structure of library classifications and other indexing languages, 2) organization of information files and effective retrieval of bibliographic information, 3) description and analysis of quantitative regularities related to document and request flows.

86-104 133  
Darbinjan, M.V.: A solution to the optimal tuning problem for classificatory IR systems. The relationship of the entropy and correlation criteria. Orig. ru. Nauchno-tekh. Inform., Ser.2, No 11, 1984. p.28-34, 4 refs.

## 15 Psychology and Classification

86-105 151  
Gamezo, M.V. (Ed.): Psychosemiotics of the cognitive activity and communication. Orig.ru. Moskva, SU: Gos.zaoch.ped.institut 1983. 99p.

86-106 152  
Chepeleva, N.V.: The influence of the semantic organisation of text on its understanding. Orig.ru. In: Psikhosemiotika poznavat, deyat.-ti i obshcheniya. Moskva, SU 1983. p.49-59, 15 refs.

86-107 152  
Ejngorn, N.K.: Interrelation of consciousness and activity. Orig.ru. In: Formacion.analiz v sisteme kategorij ist.materializma. Sverdlovsk, SU 1983. p.44-57, 40 refs.

86-108 155  
Gotoh, T.: Cognitive structure in human indexing process. Orig. ja. Libr.& Inform.Sci., No.21, 1983. p.209-226. 13 refs.

86-054 06.84-04-10/13; 25  
Bryant, P.: Book review of Bock, H.H. (Ed.): Anwendungen der Klassifikation: Datenanalyse und numerische Klassifikation. Proceedings der 8. Jahrestagung der Gesellschaft für Klassifikation e.V., Hofgeismar, 10.-13. April 1984, Teil 2. Frankfurt, DE: Indeks Verl. 1984, 282p. =Studien zur Klassifikation 15. Orig. en. J.Classif. Vol 2, No 2/3, 1985. p.293-295

86-055 06.84-06-28/30; 76  
Bergenholtz, H.(Ed.), Mugdan, J.(Ed.): Lexikographie und Grammatik. Akten des Essener Kolloquiums zur Grammatik im Wörterbuch, 28.-30.6.1984. (Lexicography and grammar. Acts of the Essen Colloquy on the grammar in the dictionary) Orig. de. Tübingen, DE: Niemeyer Verl. 1985. 403 p. = Lexicographica. Ser. maior 3

86-056 06.85-01-29/31; 14  
Sadovskij, V.N., Voronov, A.A., Kantorovich, L.V. et al (Eds.): The theory, methodology and practice of systems research: An All-Union Conference, Jan.29-31, 1985. Sect.1: Philosophical, methodological and sociological problems. Sect.5: Mathematical methods of systems analysis. Sect.7: Systems research in scientific and technological development. Abstracts of Papers. Orig. ru. Moskva, SU: VNI Sistemnykh Issledovanij 1984. 171+227+144p.

86-057 06.85-04-14/17; 77  
Second Infoterm Symposium: Networking in Terminology. International Co-operation in Terminology Work, Wien, AT, 14-17 April 1985. Orig. en. FIO News Bull. Vol 36, No 1, 1986. p.6-7

86-058 06.85-04-18; 77  
First TermNet Assembly, 18 April 1985. Orig.en. FID News Bull. Vol 36, No 1, 1986. p.7-8

86-059 06.85-04-19; 77  
Workshop on Terminology Documentation, Wien, Austrian Standards Institute, April 19, 1985. Orig.en. FID News Bull. Vol 36, No 1, 1986. p.8

86-060 06.85-06-26/28; 123  
Dahlberg, I.: Klassifikation als Werkzeug der Forschung. (Classification as a tool for research) Orig. de. LDV-Forum Vol 3, No 2, 1985. p.101-102  
Report on the papers on Concept Analysis during the 9th Annual Conference of the German Society for Classification under the topic of the title. (There is a misprint on the last page: the 4 lines of the second page must be exchanged with the last 3 lines at the end.)

86-061 06.85-08-26/30; 778  
Rossenbeck, K.: Bericht über das 5. Europäische Fachsprachen-Symposium, Leuven, 26.-30. Aug. 1985. (Report on the 5th European Special Language Symposium, Aug.28-30, 1985, Leuven, Belgium) Orig. de. Special Language/Fachsprache Vol 7, No 3-4, 1985. p.152-157

86-062 06.85-09-23/27; 715  
Busemann, S.: GNAI-Tagungsbericht. (Report on the meeting of the German Workshop on Artificial Intelligence) Orig. de. LDV-Forum Vol 3, No 2, 1985. p.112-113.  
The short report on the meeting which took place at Dassel, Sept.23-27, 1985 with some 200 participants mentions a.o. the topics of the following invited papers: 86-063 Beckermann, A.: Kann die "Künstliche Intelligenz" Fragen der Philosophie beantworten? (Can artificial intelligence answer questions from philosophy?) - 86-064 McCarthy, J.: What is common sense and how to formalize it? - 86-065 Gallare, H.: Logic programming development. - 86-066 Kleer, J.de: Assumption based truth maintenance. - 86-067 Tsang, J.P.: Expert systems for CAD/CAM.

86-068 06.85-10-3/4; 42  
Schmidt, A.F.: Revisionsarbeit des Komitees Bauwesen. 10. Jahrestagung, 3.-4.10.1985, Köln. (Revision work of the committee on building) Orig. de. Int.Aufg.d.DGD Vol 7, No 7/8, 1985. p.112-113

86-069 06.85-10-9/11; 322  
4th International Symposium "Data Analysis and Informatics", Versailles, 9-11 Oct.1985. Orig.en. Int.Classif. Vol 12, No 3, 1985. p.153-154  
Includes the complete program of the 69 papers in 11 sessions.

86-070 06.85-10-14; 42  
Schmidt, A.F.: Neuer Vorschlag für Anhängenzahlen des Ortes für die Bundesrepublik Deutschland und die Deutsche Demokratische Republik. Sitzung des DK-Revisionskomitees FID/C91+(1/9) "Geographie", 14.10.1985, Bonn. (New proposal for place auxiliaries for the Federal Republic of Germany and the German Democratic Republic. Meeting of the UDC-Revision Committee FID/C91+(1/9) "Geography", Oct.14, 1985, Bonn) Orig. de. Int.Aufg.d.DGD Vol 7, No 7/8, 1985. p.113-114

86-071 06.85-10-21/25; 42  
Ohly, H.P.: Sitzung des DK-Revisionskomitees "Soziokulturelle

Wissenschaften" (FID/C30/31+39), 21.-25.10.1985, Budapest, HU. (Meeting of the UDC Revision Committee "Sociocultural Sciences") Orig. de. Int.Aufg.d.DGD Vol 7, No 7/8, 1985. p.114-115

86-072 06.85-11-11/14  
Ranganathan's Philosophy: Assessment, Impact, and Relevance. Orig. en. Int.Classif. Vol 12, No 3, 1985. p.157-158  
Summarizing report of the conference on the topic of the title which took place from Nov.11-14, 1985 at New Delhi. The 18 papers from the session on classification are listed as well as some others of relevance from other sessions.

86-073 06.85-11-11/14  
Dahlberg, I.: Ranganathan's Philosophy: Assessment, Impact, and Relevance. Internationale Konferenz, 11.-14.11.1985, New Delhi. Orig. de. Int.Aufg.d.DGD Vol 8, No 1, 1986. p.3-4

86-074 06.85-11-15  
Classification and Communication. Report on 2nd Regional Conference of FID/CR. Orig. en. Int.Classif. Vol 12, No 3, 1985. p.156-157  
The report summarizes the 11 contributions and includes also the statements treated in the final session on proposed areas for action.

86-075 06.85-11-15  
Dahlberg, I.: Classification and Communication. Regionalkonferenz des FID-Komitees Classification Research, FID/CR, 15.11.1985, New Delhi. Orig.de. Int.Aufg.d.DGD Vol 8, No 1, 1986. p.4-5

86-076 06.85-11-25/27; 763  
Automatic Compilation of Dictionaries. Orig. en. Tallinn, SU: Kirjanduse Instituut, Keela JA 1985  
Main points of discussion were the automatic editing of dictionaries and the compilation of new dictionaries on the basis of existing ones as against on the basis of a text corpus. (Address: 200103 Tallinn, Lauristini 6, USSR).

86-077 06.85-11-27/29; 715  
Knorz, G.: Natürliche Sprache und wissensbasierte Systeme. (Natural language and knowledge-based systems) Orig. de. LDV-Forum Vol 3, No 2, 1985. p.108-111  
Report on a symposium by invitation through IBM at which papers by Kanngießer, Habel, Uszkoreit, McCord, Heidorn, Jensen, Wahlster, Biebel, Guenther, Herzog, Lehmann, Fargues and Perrault were presented and discussed.

86-078 06.86-02-3/5  
Port, P.: Vocabulary of Terminology in Überarbeitung. Sitzung ISO/TC37/WG5, 3.-5.2.1986, Wien, AT. (Vocabulary of Terminology being revised. Meeting in Vienna) Orig. de. Int.Aufg.d.DGD Vol 8, No 1, 1986. p.5-7

## 07 Textbooks

86-079 07.1  
Soergel, D.: Organizing information. Principles of data base and retrieval systems. Orig. en. Orlando, New York, etc.: Academic Press 1985. XI, 450p., 255 refs.  
The textbook is divided into the following five parts comprising altogether 18 chapters: 1) The systems approach to information transfer, 2) Objectives of ISAR (Information and Retrieval Systems), 3) Data schemas and data structures, 4) Index language functions and structure, 5) ISAR systems operation and design. The extensive bibliography (255 refs.) is subdivided according to the chapters and sections. There is an author and a subject index.

86-080 07.23  
Lancaster, L.W.: Thesaurus construction and use. A condensed course. Orig. en. Paris, FR: Unesco 1985. 89p., PGI-85/WS/11  
English version of the course published in 1981 by the Centro Argentino de Informacion Cientifica y Tecnologica (CAICYT).

86-081 07.23  
Wersig, G.: Thesaurus-Leitfaden. Eine Einführung in das Thesaurus-Prinzip in Theorie und Praxis. (Thesaurus guide. An introduction into the thesaurus principles in theory and practice, 2nd enlarged ed.) 2.erg.Aufl.unter Mitarbeit von Petra Schuck-Wersig. Orig.de. München, etc.: K.G.Saur Verl. 1985. 394p., 244+116 refs., DGD-Schriftenr.Bd.8, ISBN 3-598-21252-6  
The first edition was published in 1978 (book review see Int.Classif.7(1980)No.2, p.90-91, by D.Soergel). The 2nd ed. contains a Part II entitled "Thesaurus situation" (p.347-394). It presents a survey on the developments and experiences since 1978 and includes hints about computer assistance in thesaurus compilation and maintenance. Concludingly a "Look into the future" is given..

86-082 07.3  
Indexing and searching in perspective. (Revised.ed.of the Indexing in Perspective Education Kit). Orig.en. Philadelphia, PA: Natl.Feder.of Abstracting & Inform.Serv.(NFAIS) 1986.150p.

86-109 155  
Ingwersen, P.: Psychological aspects of information retrieval. Orig. en. *Social Sci. Inform. Studies* Vol 4, No 2/3, 1984. p.83-95, 26 refs.

86-110 155  
Shuster, V.A.: The structure of the semantic space of verbal evaluations of acts. Orig.ru. *Tartu Ülikooli toimetised*, No 688, 1984. p.20-38, 7 refs.

86-111 156  
Kedrov, B.M.: On the advance of scientific cognition. Orig.ru. In: *Na puti k teorii nauch.znaniya*. Moskva, SU 1984. p.8-25, 3 refs.  
Five methodological features of today's science are described (integrity of research, the multiobject nature of disciplines, the multidisciplinary approach to the study of an object, the greater importance of the social role and the merger of analysis and synthesis). Cognition will advance if such demands can be answered by an integrating method of cognition of reality.

86-112 156  
Kolevatov, V.A.: The pictorial model in research and design: Towards the problem of knowledge objectification. Orig. ru. *Tartu Ülikooli toimetised*, No 695, 1984. p.55-70, 21 refs.

86-113 156  
Shchedrovickij, G.P.: Knowledge synthesis: problems and methods. Orig. ru. In: *Na puti k teorii nauch.znaniya*. Moskva, SU 1984. p.67-109, 69 refs.

## 16 Development of Science and Classification

86-114 161  
Gonzalez de Gomez, M.N.: Information and knowledge. Orig. pt. *Cienc. Inform.* Vol 13, No 2 1984. p.107-114, 20 refs.

86-115 163  
Antipov, G.A.: Science methodology and its gnosiological functions. Orig. ru. In: *Metodol.probl.nauch.issled*. Novosibirsk, SU 1984. p.3-12, 5 refs.

86-116 164  
Chernjak, V.S.: The logical and the historical in the development of science. Orig. ru. *Vopr.filos.*, No 11, 1984. p.172-73, 16 refs.

## 17 Problems in Classification

86-117 175  
Lan, Chien-Chang: Guidelines of technical services in the libraries of the Republic of China. Orig.en. *J.of Libr.& Inform. Sci.* (USA/Taiwan) Vol 10, No 1, 1984. p.63-82, 7 refs.

86-118 177  
Holley, R.: The consequences of new technologies in classification and subject cataloguing in third world countries: the technological gap. Orig. en. *Inspel* Vol 19, No 3, 1985. p.141-152, 14 refs.

## 18 Classification Research

86-119 186  
Winter, J.H.: Planning of synthetic pathways on the basis of synthesis strategies. Orig. en. *J.Chem.Inform.Comput.Sci.* Vol 25, No 4, 1985. p.389-391, 10 refs.

86-120 188  
Kumar, Krishan: Research in library classification in India. In: Gupta, B.M. et al (Eds.); *Handbook of Libraries, Archives and Inform.Centers in India*, Vol.1: Libraries and Archives. New Delhi: Inform.Industry Publ.1985. p.278-93, 41 refs.  
Gives an outline of Ranganathan's work touching also upon the methodology for designing a scheme of classification, on fundamental categories, on the absolute syntax of ideas and on thenodes of formation of subjects. Later work refers to the development of terminology, classaurus, depth schedules, classification practice, applications of computer, the work of DRTC, of special societies and the Indian participation at the international level.

## 19 History of Classification

86-121 192; 214  
Bohnert, L.; Roberts, N.: (The pre-history of the information retrieval thesaurus). Letters to the Editor. Orig.en. *J.Doc.*

Vol 41, No 4, 1985. p.267-269, 5+6 refs.

Upon Lea Bohnert's remarks that Norman Roberts had omitted to include the Thesaurus of ASTIA Descriptors and the work of C. Mooers for it, Roberts answers why he stopped in 1960 and why the ASTIA Thesaurus inaugurated a new period of development.

86-122 193; 31  
Zaye, D.F.; Metanowski, W.V., Beach, A.J.: A history of general subject indexing at Chemical Abstracts Service. Orig. en. *J.Chem.Inform.Comput.Sci.* 25(1985)No 4, p.392-399, 29 refs.

86-123 196  
Korwitz, U.: Zur Geschichte der fachlichen Literaturerschließung. Die medizinischen Referateblätter des J.Springer Verlags. (On the history of literature analysis. The medical abstract journals of the J.Springer Publishing House) Orig. de. München, etc.: K.G.Saur Verl. 1985. XI,204p., 23 tables, 44 figs., 93 refs. ISBN 3-598-10580-0

Today it is usually not known how much scientists and librarians before the 2nd World War depended on the various "Zentralblätter" and "Berichte" published in Gennan to supplement the medical literature available in indexes such as the Index Medicus (existing since 1879). The book tries to trace the development of abstract journals of the J.Springer House from its beginning until today and to analyze it. In an exemplifying manner the development of one abstract journal and one annual report is shown in detail. No index.

86-124 196  
Stevenson, G.: Il catalogo classificato della New York State Library nel 1911. (The classified catalogue of the New York State Library in 1911) Orig. it. *Boll.Inform.AIB* Vol 25, No 2, 1985. p.175-194

## 2 STRUCTURE AND CONSTRUCTION OF CS & T

### 21 General questions of CS & T

86-126 214  
Bertrand-Grastaldy, S.: Les thésaurus de recherche - des outils pour l'interrogation en vocabulaire libre. (Research thesauri: tools for free vocabulary searching) Orig. fr. *Argus* Vol 13, No 2, 1984. p.51-58, 53 refs.

### 22 Elements of CS & T

86-127 222; 162  
Gopinath, M.A.: Multidisciplinary subjects: emergence, structure, development and classification. Orig. en. *Libr.Sci.with a Slant to Doc.* 21(1984)No 1, p.1-23, 40 refs.

86-128 222  
Nosikov, S.M.: Interdisciplinary vocabulary in disciplinary IR thesauri. Orig.ru. *Nauch.-tekhn.terminol.*, No 11 1984. p.7-10

86-129 222  
Sadovska, J.: Specific and language-ethnic subheadings. Orig.pl *Zag.Inform.Nauk*, No 1, 1984. p.65-74, 5 refs.

86-130 225  
Kozachkov, I.S.: Facet thesauri in data bases. Orig. ru. *Nauch.-tekhn.inform.,Ser.2*, No 5, 1985. p.11-19

86-131 225  
Pozhariskij, I.F.: A facet-category to improve linguistic information delivery in scientific and technical information sector. Orig.ru. *Nauch.-tekhn.inform.,Ser.2*, No 5, 1985. p.20-4

86-132 225  
Devadason, F.J.; Sheik Saifulla; Subhan, V.A.: Facet analysis and searching bibliographic data bases. Orig. en. *Lucknow Librarian* Vol 18, No 1, 1986. p.5-16, 48 refs.  
Presents a common methodology required for developing a search query indicating the use of facet analysis. Concludes that knowledge of facet analysis is useful in database searching.

86-133 227  
Fugmann, R.: Some synthetic devices in computerized classification systems. Orig. en. *Int.Inform.Communic.& Educat.* Vol 4, No 2, 1985. p.101-117

86-134 227  
Nelson, M.J.: The use of term co-occurrence information in information retrieval. Orig.en. *Can.J.Inform.Sci.* Vol 8, 1983. p.67-73

86-135 228  
Gürtler, G.: Sachmerkmale und CAE - DIN-Projekt CAD-Normteiledatei. (Object characteristics and CAE - DIN-Project "File for

standardized parts for computer-aided design") Orig. de.  
DIN-Mitt. Vol 65, No 2, 1986. p.90-95

86-136 229  
Shramko, L.M.: A method for formal representation of a descriptor entry in the IR thesaurus. Orig.ru. In: Org.vzaimodejstvi-ja pol'zovatelej s bankami dan. Kiev, SU 1984. p.19-25, 9 refs.

### 23 Construction of CS & T

See also 86-087

86-137 231  
Goloburdina, L.V.; Terenti'eva, G.P.; Khromchenko, L.G.: The particularities of formation of a documentation pool and the choice of a lexicon for the elaboration of a thesaurus. Orig.uk. Bibl.bibliogr., UKR, No 25, 1985. p.88-93

86-138 237  
Konout, L.J.; Keravnou, E.; Bandler, W.: Information retrieval system using fuzzy relational products for thesaurus construction. Orig.en. In: Fuzzy Inform., Knowledge Representation and Decision Analysis. Oxford, etc. 1984. p.7-13, 31 refs.

86-139 237  
Shajkevech, A.Ya.: Automated construction of a thesaurus from a glossary. Orig.ru. Nauch.-tekhn.Inform., Ser.2, No 4, 1985. p.12-19

### 24 Relationships

86-140 242  
Neet, H.E.: Assoziationsrelationen in Dokumentationslexika für die verbale Sacherschliessung. (Associative relationship in documentary dictionaries for verbal subject analysis) Orig.de. Genf, CH 1984. 78 p., 66 refs.

86-141 243  
Oienner, R.A.V.: Relational knowledge structures: a structural model of information for research and retrieval. Orig. en. In: Challenges to an Information Society. Proc.47th ASIS Ann. Meeting, Philadelphia, PA, Oct.21-25, 1984. White Plains, NY: Knowledge Industry Publ. 1984. p.57-58, 3 refs.

86-142 247  
Beeri, C.; Vardi, M.Y.: A proof procedure for data dependencies. Orig.en. J.ACM Vol 31, No 4, 1984. p.718-741, 55 refs.

86-143 247  
Imielinski, T.; Lipski, W., Jr.: Incomplete information in relational databases. Orig.en. J.ACM Vol 31, No 4, 1984. p.761-91, 34 refs.

86-144 247  
Kopejkin, M.V.; Osmolovskij, L.G.; Penykh, O.A.: The incompatibility of normalisation theory and the relational database model. Orig. ru. In: Probl.-orientir.inform.sistemy. Leningrad, SU 1984. p.72-81, 12 refs.

86-145 248-29  
Gotoh, T.; Hosono, K.; Kanda, H.; Morohashi, M.; Umeda, Sh.: Interrelationships between electrical engineering and other related fields based on descriptors occurrence frequencies. Orig.ja. Dokumentesyon kenkyu 34(1984)No 10, p.429-34, 8 refs.

86-146 248-72  
Valšuba, K.; Kotva, St.: The tools and methods used in the application of semantic links in the Automated Management System for Czechoslovak Research and Development. Orig. cs. Ceskoslovenska Inform. Vol 26, No 10, 1984. p.273-278, 4 refs.

### 25 Numerical Taxonomy

86-147 251.07  
Krzanowski, W.: Book review of Krishnaiah, P.R., Kanai, L.N. (Eds.): Handbook of statistics 2: Classification, pattern recognition and reduction of dimensionality. Amsterdam: North-Holland 1982. 903p. Orig. en. J.Classif. Vol 2, No 2/3, 1985. p.277-281

86-148 253  
Day, W.H.E.; Edelsbrunner, H.: Investigation of proportional link linkage clustering methods. Orig. en. J.Classif. Vol 2, No 2/3, 1985. p.239-254, 56 refs.

86-149 253  
Frank, O.; Komanska, H.; Widaman, K.F.: Cluster analysis of dyad distributions in networks. Orig. en. J.Classif. Vol 2, No 2/3, 1985. p.219-238, 15 refs.

86-150 253  
Hägglund, G.: Factor analysis by instrumental variables methods. Orig.en. Uppsala: University 1986. 207p., 28 refs., Acta Univ. Uppsala, ISBN 91-554-1821-X  
This doctoral dissertation is based on five contributions from the years 1980-1985 in which non-iterative, fast and simple methods for factor analysis estimation were developed. These methods use the technique of instrumental variables and are called FABIN (Factor Analysis By INstrumental Variables).

86-151 253  
Hayashi, Ch.: Book review of Lebart, L. et al: Multivariate descriptive statistical analysis. New York: Wiley 1984. 231p. Orig.en. J.Classif. Vol 2, No 2/3, 1985. p.296-299, 1 ref.

86-152 253  
Hubert, L.: Comparing partitions. Orig. en. J.Classif. Vol 2, No 2/3, 1985. p.193-218, 34 refs.

86-153 253  
Driyanskij, V.M.; Katerinich, L.G.: A classification algorithm and its application in document retrieval systems. Orig. ru. In: Sredstva inform.obespech.nauch.issled. Kiev, SU 1984. p.56-59, 4 refs.

86-154 253  
Windham, M.P.: Numerical classification of proximity data with assignment measures. Orig. en. J.Classif. Vol 2, No 1/2, 1985. p.157-172, 8 refs.

86-155 254  
De Soete, G.; OeSarbo, W.S.; Carroll, J.D.: Optimal variable weighting for hierarchical clustering: an alternating least-squares algorithm. Orig. en. J.Classif. Vol 2, No 2/3, 1985. p.173-192, 49 refs.

86-156 254  
Finden, C.R.; Gordon, A.D.: Obtaining common pruned trees. Orig.en. J.Classif. Vol 2, No 2/3, 1985. p.255-276, 25 refs.

86-157 254  
Jain, N.C.; Indrayan, A.; Goel, L.R.: Monte Carlo comparison of six hierarchical clustering methods on random data. Orig. en. Pattern Recognition Vol 19, No 1, 1986. p.95-99, 19 refs.

86-158 255  
Honda, N.; Sugimoto, F.: Multivariate data representation and analysis by face pattern using facial expression characteristics. Pattern Recognition 19(1986)No 1, p.85-94, 14 refs.

86-159 255; 715  
Nandhakumar, N.; Aggarwal, J.K.: The artificial intelligence approach to pattern recognition - a perspective and an overview. Pattern Recognition 18(1985)No 6, p.383-389, 46 refs.

86-160 255  
Shridhar, M.; Badreldin, A.: Recognition of isolated and simply connected handwritten numerals. Orig. en. Pattern Recognition Vol 19, No 1, 1986. p.1-12, 16 refs.

86-161 258-335  
Justice, J.H.; Hawkins, D.J.; Wong, G.: Multidimensional attribute analysis and pattern recognition for seismic interpretation. Pattern Recognition 18(1985)No 6, p.391-407, 28 refs.

86-162 258-397  
Vogel, F.; Grünwald, W.: Unterentwicklung - Entwicklung. Eine Studie zur Einteilung der Länder der Erde nach ihrem Entwicklungsstand. (Underdevelopment - development) Orig.de. Bamberg, DE: Univ.Forsch.Stelle f.Numer.Klassif.1986. IV, 80p., 29 refs.

It is possible to measure the stage of development of a country by a well-defined set of variables. Since such a set is composed of nominal-, ordinal- and interval-/ratio-scales variables and in consideration of the vagueness and imperfection of the published data, the interval- and ratio-scaled variables are transformed into ordinal scaled variables. The new method of cluster-analysis used can work with mixed data. The report is in two parts. The first one is concerned with statistical methods and their implications used for the classification of the countries. The second one concerns a cluster-analysis of 112 countries regarded in their stage of development by economic variables. Later additions to the volume are foreseen for cluster-analysis of the demographic, the political sphere and the sphere of basic needs and social factors.

86-163 258-49  
Leeuw, J.de: Book review of Gittens, R.: Canonical analysis. A review with applications in ecology. Berlin, etc.: Springer 1985. 351p. Orig.en. J.Classif. Vol 2, No 2/3, 1985. p.285-287

86-164 258-526  
Sharabchiev, Yu.T.; Cherneckaya, N.I.: The application of cluster analysis to identify trends in the scientific field of development and forecasting. Orig.ru. In: Med.naukovedenie i avtomatiz.inform.processov. Moskva, SU 1984. p.134-135

86-165 258-552  
Fox, R.A.: Multidimensional scaling and perceptual features. Evidence of stimulus processing or memory prototypes. Orig.en. J.Phonetics Vol 13, No 2, 1985. p.205-217

86-166 258-676  
Brauer, H.: Clusteranalytische Methoden zur Strukturierung einer städtischen Bodenpreissammlung. (Clusteranalytical methods for the structuring of urban land prices) Orig.de. Aachen, DE: Geodätisches Institut d.RWTH 1986. 135p., Veröff.d.Geodät.Inst. d.RWTH Aachen, No.39. = D82

86-167 258-813  
Shabarchiev, Yu.T.: The application of cluster analysis to a scientometric study of a scientific school. Orig. ru. Nauch.-tekhn.inform.,Ser.I, No 12, 1984. p.6-11, 31 refs.

86-168 259  
Stouch, T.R.; Jurs, P.C.: Monte Carlo studies of the classifications made by nonparametric linear discriminant functions 2. Effects of nonideal data. Orig.en. J.Chem.Inform.& Comput.Sci. Vol 25, No 2, 1985. p.92-98, 13 refs.

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86-169 268-75  
Fukami, K.: A trial method for indicating numeric values in the indexing of a database. Orig. ja. Dokumentesyon kenkyu Vol 34, No 9, 1984. p.405-408, 1 ref.

## 28 Compatibility and Concordance between CS & T

86-170 286  
Borisova, N.D. et al: Some methodological principles behind the design of a table of correspondences between the GASNTI Subject Authority and the UDC. Orig.ru. Moskva, SU: VINITI GKNT, AN SSSR 1985. 363p.  
Discussion of compatibility problems and presentation of methodological principles underlying the design of a table of correspondences between the Subject Authority and the UDC as well as suggested UDC numbers for Subject Authority concepts. The appendix lists the tables of correspondences. (Orig., abbr.)

86-171 286-53  
Shuvalova, I.E.; Lomova, N.F., Solov'eva, A.A., Pyckaya, E.G.: Main principles underlying the reconciliation of the vocabulary of the Subject Headings List of the State Central Medicoscientific Library with the descriptors of a thesaurus in medicine and health care. Orig. ru. In: Med.Naukovedenie i avtomatiz.inform.processov. Moskva, SU 1984. p.176-177

86-172 287  
K'ristal'nyj, B.V.; Ilieva, B.M.: Development of compatible subject authorities of the GASNTI in the USSR and the National STI System in Bulgaria. Orig. ru. In: Nauch.i tekhn.inform.za rubezhon. Moskva, SU 1984. p.28-38

86-173 288  
Silvester, J.P.; Newton, R., Klingbiel, P.H.: Operational system for subject switching between controlled vocabularies: a computational linguistics approach. Orig.en. McLean, VA: PRC Government Information Systems 1984. 99p, NTIS N85-11903  
The NASA Lexical Dictionary (NLD), a system that automatically translates input subject terms to those of NASA, was developed in four phases (Phrase Matching, Translation of individual OTIC terms to one or more NASA terms, Coordination of OTIC terms, Indexer Feedback and Maintenance).

## 29 Evaluation of CS & T

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Roberts, N.: Concepts, structures and retrieval in the social sciences up to c.1970. Orig. en. Social Science Inform.Studies Vol 5, No 2, 1985. p.55-67, 75 refs.  
A comparative analysis of subject heading lists and thesauri was undertaken to collect data relating to word/concept relationships and concept structuring. 18 subject heading lists and 20 thesauri were examined. Analysis revealed unexpected similarities between the characteristics of such tools in science and technology and in the social sciences.

86-175 298-56  
Pasqualini, C.: Etude comparative de deux thésaurus concernant les sciences de l'éducation (EUDISED et CNRS - Sciences de l'éducation) et propositions de structuration. (Comparative study of two thesauri in the field of education (EUDISED and CNRS - Education sciences) and proposals for structuring) Orig. fr. Paris, FR: CNRS. Institut National des Techniques de la Documentation. Dissertation 1985. 162p.

86-176 298-784  
Ragavan, M.C.; Srivastava, M.K., Gupta, S.P.: Recall and precision devices in IRRD thesaurus. Orig.en. Library Science Vol 20, No 2, 1983. p.93-105, 8 refs.

## 3 CLASSING AND INDEXING

### 31 Theory of Classing and Indexing

86-176 311; 193  
Batty, D.: Reflections on active and passive voices in indexing. J.of Libr.& Inform.Sci., USA/Taiwan 10(1984)No 1, p.13-21, 9 refs.

Examination of index languages of the last 100 years confirms that nearly all are based on an entity/activity combination. This is based on the use of phrases that reflect the passive rather than the active voice in natural language. Linguistic studies reveal a difference in the way the mind processes active and passive sentences and lends theoretical support to many pragmatic solutions to indexing problems. (Orig.abstr.)

86-177 311  
Veena Saraf: Book review of Rajan, T.N. (Ed.): Indexing systems: Concepts, models and techniques. Calcutta: IASLIC 1981. 270 p. Orig. en. Herald Libr.Sci. Vol 24, No 4, 1985. p.332

86-179 311  
Blair, D.C.: Indeterminacy in the subject access to documents. Orig.en. Inform.Process.& Management 22(1986)No 2, p.229-241, 16 refs.

Subject access to documents is influenced by two kinds of indeterminacy: the one of the indexer's selection of indexing descriptors and the one of the inquirer's selection of search terms. The possibility of successful retrieval depends on how these two indeterminacies interact. Five types of interaction are discussed and a change in the traditional method of subject searching is suggested as a way of reducing the effect of one of these two indeterminacies and of avoiding those types of interactions where the retrieval of the desired document(s) is impossible.

86-180 311  
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86-181 313  
Brewer, R.K.: Storage of index terms in a matrix. A technique for fast response to compound queries. Orig. en. In: Gorman, M.(Ed.); Amer.Lib. Assoc., Libr.& Inform.Technol.Assoc.; Crossroads. Proc.1st Natl.LITA Conf., Sept.17-21,1983, Baltimore, MD. Chicago, IL 1984. p.217-221, 4 refs.

86-182 318  
Perreault, J.M.: Book review of Berman, S.: Subject cataloging. Critiques and innovations. New York, NY: Haworth Press 1984. 252p. = Techn.Serv. Quarterly 2(1984)No.1/2. Orig. en. Int.Classif. Vol 12, No 3, 1985. p.162-164

### 32 Subject Analysis

86-183 321  
Wickstrom, S.; Goldstein, H., Johnson, L.: On the subject of subjects. Suggestions for describing subjects in language intervention studies. Orig.en. J.Speech & Hearing Disorders Vol 50, No 3, 1985. p.282-286

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Veena Saraf: Book review of Verma, V.K.: Trends in subject indexing. Delhi: Mittal Publ.1984. 174p. Orig. en. Herald Libr.Sci. Vol 24, No 4, 1985. p.331

86-187 331  
Gotoh, T.: Cognitive structure in human indexing process.  
Orig. ja. Libr. & Inform. Sci. Vol 21, 1983. p.209-226, 13 refs.

86-188 331.09  
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86-189 333; 337  
Maassen, B.: Inhaltserschließung und Innovationsbereitschaft. (Subject analysis and openness for innovations) Orig. de. Mitteilungsbl. Verb. Bibl. Land NRW Vol 35, No 2, 1985. p.147-162

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Bhattacharyya, G.: POPSI: A system for depth indexing. Orig. en. Int. Inform. Commun. & Educat. 4(1985)No 2, p.144-155, 5 refs.

86-191 337  
Bakewell, K.G.B.: Book review of Dykstra, M.: PRECIS: a primer. London: Brit. Libr. Bibliogr. Serv. Div. 1985. 278p. Orig. en. J. Doc. Vol 41, No 4, 1985. p.272-274, 4 refs.

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## 34 Automatic Classing and Indexing

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Satyanarayana, R.; Rajan, T.N.: Some basic theoretical approaches in automatic classification and indexing: A survey in brief. Orig. en. Libr. Sci. with a Slant to Doc. Vol 21, No 1, 1984. p.56-63, 11 refs.

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effectiveness and (2) an analysis of regularities in the underlying structure of the document graph.

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86-211 382  
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86-217 387  
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### 39 Evaluation of Classing and Indexing

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## 4 ON UNIVERSAL SYSTEMS

### 41 On Universal CS & T in General

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Starting on the idea that knowledge can theoretically be organized into Matter and Movement it was assumed that the addition of measurements offers a way of classifying knowledge. Thus the 4Ms stand for Matter Measurement(s), Movement(s) Measurement(s). A database of words assumed to represent the knowledge in an anatomy and physiology text was grouped into these four classes. Further work is outlined being directed toward such a kind of classification in the hard (physics) and in the so-called soft sciences.

86-227 415  
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86-228 417  
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### 42 On the Universal Decimal Classification

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The book is addressed to students of the information workers advanced training system and for specialists engaged in STI agencies and in scientific and technical libraries.

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Rozenshil'd, L.K.; Usanova, I.A., Lupandin, I.V.: Some issues in the development and practical application of the UDC tables in the BEH, with special reference to class 52 "Astronomy". Orig.ru. In: Katalogiz.i nauch.sistemiz.tit. Moskva, SU 1984. p.48-58, 3 refs.

86-232 42.863  
Milas, M.; Zajec, J.: The UDC in the Yugoslavian bibliographic journal "Bulletin Scientifique". Inform. Yugosl. Vol 16, No 3-4, 1984. p.269-279

86-233 42.88-83  
Kalita, E.A.: UDC indexing of documents on automation (a consultation). Orig.ru. Nauch.-Tekhn.Biblioteki SSSR, No 2, 1984. p.21-23

### 43 On the Dewey Decimal Classification

86-234 43.05  
DC&. Decimal Classification. Additions, Notes, and Decisions 4 (1985)No.5. Orig.en. Albany, NY: Forest Press 1985. 87p.  
In the News Section the change of administration at Forest Press is mentioned (Mr.P.J.Paulson started June 1, 1985, Mr. J.A.Humphry retired, Mr.R.B.Sealock, earlier Director until 1977, died in Nov.1984). There are also reports on Revisions of Ed.19; the Arabic Edition; DDC for School Libraries: OCLC-CLR-FP Research Project; Workshops; Applications of DDC Numbers to 123439 titles; Exhibits and Conferences, etc. In this issue - next to a number of corrections, changes and new numbers - revisions are published on 312 Statistics and the Area Tables Expansions for Japan and South Africa, together with an alphabetical index. The Annual Report of the DDC Editorial Policy Committee by M.E.Cockshutt is included, too, as well as a number of letters and responses from the Division.

86-235 43.11  
Comaromi, J.P.: I fondamenti della Classificazione Decimale Dewey. (The foundations of the Dewey Decimal Classification) Orig.it. Boll.Inform.Assoc.Ital.Bibl. 25(1985)No 2, p.195-203

86-236 43.278-966  
McConnell, F.: Peoples of Melanesia: Proposals for Revision of ODC 19, Table 5. Orig.en. Catalog.& Classif.Quarterly Vol 5, No 4, 1985. p.47-51, 8 refs.

86-238 43.34  
Jewitt, C.: A subject indexing engine. Orig.en. In: 8th Int. Online Inform.Meeting, London, 4-6 Dec.1984. p.151-60, 6 refs.

86-239 43.6-83  
Kaula, P.N.: Book review of Dewey Decimal Classification: 004-006 Data Processing and Computer Science and changes in related disciplines. Rev.of Ed.19. Prepared by J.8eall, assisted by J.P.Comaromi et al. Orig.en. Herald Libr.Sci. Vol 24, No 4, 1985. p.333

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Markey, K.: The Dewey Decimal Classification as a library user's tool in an online catalog. Orig.en. In: Challenges to an information society. 1984 Ann.Meeting, ASIS, Philadelphia, PA: Knowledge Industry Publ. 1984. p.121-5

86-241 43.753  
Markey, K.; Demeyer, A.: Dewey Decimal Classification online project. Integration of a library schedule and index into the subject searching capabilities on an online catalogue. Orig.en. Int.Cataloguing Vol 14, No 3, 1985. p.31-34, 15 refs.  
This paper was presented at the 51st IFLA General Conference, Chicago, Aug.1985. It is a report on a research project in which the Relative Index and Schedules of the DDC have been integrated into the subject searching features of an experimental online catalogue. Evaluation was done by library patrons and staff in four libraries: The Social Science Reading Room of the Library of Congress, the New York State Library, the Public Library of Columbus and Franklin County (Ohio), and the Mathematics Library of the University of Illinois at Urgan-Champaign.

86-242 43.753  
Markey, K.; Demeyer, A. et al; Dewey Decimal Classification Online Project: Evaluation of a library schedule and index integrated into the subject searching capabilities of an online catalog. Orig.en. Dublin, OH: OCLC Online Computer Library Center. Off.of Res. 1986. XLIII, 382p., 17 app., 72 fig., 62 refs.  
The objectives of the project were: 1) To use the consensus of DDC experts to determine strategies for searching and displaying the DDC in an experimental online catalog. 2) Demonstrate the DDC as a searcher's tool for subject access, browsing, and display in the experimental online catalog. 3) Test the effectiveness of the DDC as a searcher's tool in this catalog. 4) Evaluate the demonstration and test results. The comprehensive report covers the following 9 chapters: Project objec-

tives and research questions. Literature review. Strategies for searching and displaying the DOC in an online catalog. Machine-readable data for the development of the experimental online catalog. Subject searching in the experimental online catalog. Methods used to conduct the online retrieval tests. Time spent searching, estimated recall, and matched output in online retrieval tests. Failure analysis of subject searching options. Integrating the DOC into online catalogs and cataloging systems.

86-243 43.88-26  
Chowdhury, G.G.: Problems of classifying chemical elements, compounds in DOC. Herald of Libr.Sci. 23(1984)No 1-2, p.60-61

86-244 43.92  
Sweeney, R.: Dewey Decimal Classification (Editorial Policy) Committee (88th meeting report). Libr. Assoc. Record Vol 87, 1985. p.308

#### 44 On the Library of Congress Classification

and the LIBRARY OF CONGRESS SUBJECT HEADINGS (LCSH)

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Kaula, P.N.: Book review of Miksa, F.: Development of classification at the Library of Congress. Urbana, IL: University of Illinois. Graduate School of Libr. & Inform.Sci. 1984. 78p. Orig. en. Herald of Libr.Sci. Vol 24, No 4, 1985. p.334-335

86-246 44.6-92  
Burgess, M.A.: A guide to science fiction & fantasy in the Library of Congress Classification scheme. Borgo Press 1984. 86p.

86-247 448  
Berman, S.: Tools for tinkering (Library of Congress Subject Headings). Techn.Serv.Quarterly Vol 2, No 1, 1984. p.213-221

86-249 448  
Studwell, W.E.; Hamilton, D.A.: Library of Congress Subject Heading Period Subdivisions for Eastern Europe excluding the Soviet Union: Some proposed additions. Orig.en. Cataloging & Classif.Quarterly Vol 6, No 1, 1985. p.39-60, 11 refs.

#### 45 On the Bliss Classification (BBC)

86-250 45.6-6  
Evans, D.: Book review of Mills, J., Broughton, V., Lang, V. (Eds.): Bliss Bibliographic Classification, 2nd ed., Class K - Society. London: Butterworths 1984. 167p. Orig. en. Social Sci.Inform.Studies Vol 5, No 4, 1985. p.199-201

#### 46 On the Colon Classification (RCC)

86-251 46.02  
Satija, M.P.: Colon Classification. Literature analysis 1970-1984. Orig.en. Int.Classif. 12(1985)No 3, p.133-142, 18 refs. (+144 refs.bibl.)

86-252 46.07  
Dahlberg, I.: Book review of Satija, M.P.: Manual of practical Colon Classification. New Delhi: Sterling Publ.1984. 224 p. Orig.en. Int.Classif. Vol 12, No 3, 1985. p.165

86-253 46.07  
Langridge, D.W.: Book review of Satija, M.P.: Manual of practical Colon Classification. New Delhi: Sterling Publ.1984. XIV, 224p. Orig. en. J.Doc. Vol 41, No 3, 1985. p.205-206

86-254 46.07  
Srivastava, R.K.: Book review of Chand, M.P.: Colon Classification: its structure and working (a programmed text). New Delhi: Sterling 1984. 139p. Orig.en. Lucknow Librarian Vol 17, No 3-4, 1985. p.141-142,

86-255 46.218  
Shepherd, M.A.: Text passage retrieval based on Colon Classification: Analysis of results. Orig. en. Libr.Sci.with a Slant to Doc. Vol 20, No 1, 1983. p.49-62

86-256 46.23.07  
Gopinath, M.A.: Construction of depth version of Colon Classification: A manual. Orig. en. New Delhi: Wiley Eastern Ltd. 1986. VIII,163 p.

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Ragavan, M.C.; Arora, P., Gupta, S.P., Bhatia, K.K.: Anteriorising common isolates for "Form of presentation of data": Depth classification version of CC. Orig.en. Libr.Sci.with a Slant to Doc. Vol 20, No 3, 1983. p.145-158, 2 apps.

86-258 46.6-825  
Sperry, S.: Classificacao de Ranganathan adaptada à biblioteca de uma escola de biblioteconomia. (Ranganathan's classification adapted for the library of a library science school) Orig.pt. Boletim ABDF Vol 7, No 2, 1984. p.27-34, 2 refs.

#### 47 On the Library Bibliographical Classif. (LBC/BBK)

86-259 47.6-335  
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After the first ed.of 1979 which was considered only a preliminary version but which contained also English definitions of the terminology of terminology, this version is purely in French and comprises definitions to 182 concepts, arranged in four major groups. Many terms are taken from linguistics, esp. in the subchapter "Formation of terms". Sometimes examples of usages of a term in discourse are added to the definition.

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Hafta, R.: Book review of Markey, K.: Subject searching in Library Catalogs: Before and after the introduction of online catalogs. Dublin, OH: OCLC 1984. 176p. Orig. en. Libr.& Inform.Sci.Res. Vol 7, 1985. p.201-203

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86-420 819  
Likhovid, T.F.: Problems involved in improvement of the current national bibliography system of indexes in European socialist countries. Orig.ru. Bibliotekoved.i bibliogr.za rubezhom, No 99, 1984. p.13-20

### 82 Data C & I

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86-428 847  
Babička, V.: Comments on archival indexes. Orig.cs. Archivni Casopis Vol 34, No 4, 1984. p.203-210, 8 refs.

86-429 847  
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### Language abbreviations:

bg	Bulgarian	ja	Japanese
cs	Czech	li	Lithuanian
da	Danish	nl	Dutch
de	German	pl	Polish
en	English	pt	Portuguese
es	Spanish	ro	Romanian
fi	Finnish	ru	Russian
fr	French	sh	Serbo-Croatian
hu	Hungarian	sk	Slovakian
it	Italian	uk	Ukrainian

We regret not to have been able to include more of the abstracts which we collected for this service for lack of space in this journal. The interested reader may ask for copies of these abstracts by indicating the serial number on the left side above each entry. The classification number on the right side above is taken from the Classification Literature Classification which was explained and printed in *Int.Classif.12(1985)No.3*, p.147-151