*   Monographs on special topics at special subdivisions

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

*** 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 Bibliograpbies

86-455   011
Vogt,R.: Book review of Dahlberg,I.(Comp.): Classification and
Indexing Systems. Theory, Structure, Methodology. 1950-1982.
Frankfurt: Indeks 1985. 211p. = ICIB Vol.3. Orig. de.
Mitt.bl.Verb.Bibl.NRW Vol 36, No 2, 1986. p.142-143

86-456   011
Wellisch, H.H.: Book review of Dahlberg, I. (Comp.): Classifi-
cation and Indexing Systems: Theory, Structure and Methodology
1950-1982. Frankfurt: Indeks Verl.1985. 224p. = ICIB, Vol.3.
Orig.en. ASI Newsletter, No 77, 1986. p.5-6

86-457   012
Classification and Indexing Research. Current Bibliography of
Projects. Orig. en. Int.Classif. Vol 13, No 1, 1986. p.34
Lists the items 197-209 of recent research projects.

86-458   012
Wellisch, H.H.: Indexing and Abstracting: a current awareness
bibliography. Orig. en. Indexer Vol 15, No 1, 1986. p.29-36
This bibliography continues that which appeared in book form
in two volumes by the author through the publisher ABC-Clio
Press, which covered (1) material from the mid-nineteenth cen-
tury until 1976 and (2) material from 1977-1981. This first
instalment covers only items from 1984. Items from the journal
The Indexer itself have been omitted. Annotations are added to
each reference.

86-459   013
Lozano, R.S.: Thesauri of scientific and technical terms gene-
rally and chemical thesauri in particular: a bibliographic
survey. Orig. es. Rev.esp.doc.cient. Vol 8, No 1, 1985.
p.17-55, 112 refs.
Report on the most important developments in the field and
description of some US, Soviet, French and international mono-
and multilingual thesauri. A list of 72 thesauri, developed
between 1961 and 1980 developed in Europe and the USA is in-
cluded.

86-460   013
Brodmeier, B.: Book review of Thesaurus Guide. Analytical di-
rectory of selected vocabularies for information retrieval.
Prep.by Ges.f.Inform.u.Dok. (GID) for the Commission of Euro-
pean Communities. Amsterdam: North-Holland 1985. XXXVI+749p.
Orig. en, fr, de. Nachr.Dok. Vol 37, No 2, 1986. p.118

86-461   016.25
Day, W.H.E.: Book review of O'hEigeartaigh, M., Lenstra, J.K.,
Rinnooy Kan, A.H.G. (Eds.): Combinatorial optimization: anno-
tated bibliographies. Chichester: J.Wiley 1985. VIII+204p.
Orig. en. J.Classif. Vol 3, No 1, 1986. p.163-164
"Combinatorial optimization is concerned with finding optimal
solutions to discrete problems that have a finite number of
feasible solutions." Annotated bibliographies of twelve basic
subareas of this field, completed between June 1983 and July
1984, are given.

04 Classification Systems & Thesauri

042   UDC Editions

86-462   042.1-cs-46
Ustredí Vĕdeckých, Technických a Ekonomických Informací: Mezi-
národní Desetinné Tridéní: První Československé úplné vydání.
Trieda 63. 2.Vydanie. (Czechoslovak full UDC edition class 63:
Agriculture. Forestry. Stockbreeding. Hunting.Fisheries) Orig.
sk. Nitra,CSSR: Ustredná Pódohospodárska Knižnica SSR. (Avail-
able through UVTEI, Konvikstská 5, 113 57 Prague 1) 1986.186p.

86-463   042.1-2n-48
British Standards Institution: Universal Decimal Classifica-
tion. UDC 664. Preparation and preservation of solid food-
stuffs. Orig.en. London,GB: BSI 1985. 29p.,ISBN 0-580-14252-3,
BS 1000(664); FID Publ.483

044.8   Library of Congress Subject Headings

86-464   044.8
Brewer, A.M.(Ed.): Library of Congress Subject Headings Weekly
List: A Working Cumulation. Orig.en. Detroit, MI: Gale Res.Co.
1985. VIII+259p., ISBN 0-8103-1798-2
Issue 1 of 3 periodical issues, with each one cumulating the
preceding one. This first one was published in Sept.1985.

048   Other Universal Systems

86-465   048.96
UNBIS Thesaurus. Liste trilingue des termes utilisés pour l'a-
nalyse par sujets des documents et autres publications concer-
nant les programmes et les activités des Nations Unies. (Tri-
lingual list of terms used for the subject analysis of docu-
ments and other publications concerning the programs and acti-
vities of the United Nations) Orig. en,fr,es. New York: United
Nations. Dag Hammerskjold Library 1986. XXIV+560 p.
IS8N 92-1-200071-1, ST/LI8 40
This is a first French version of the multidisciplinary the-
saurus covering the fields of activities of the United Nations

86-466   48.97
Social History and Industrial Classification (SHIC): a subject
classification for museum collections. Vol.1: The Classifica-
tion; Vol.2: Index. Orig. en. Sheffield, GB: Sheffield Univer-
sity. Centre for English Cultural Tradition and Languages for
the SHIC Working Party 1983. 96+74p.

048-   Special Classification Systems and Thesauri

86-467   048-28
Redford, J.S.: Energy data base. Subject thesaurus. Permutated
listing, revision 6, Appendix. Orig. en. Oak Ridge,TN: Depart-
ment of Energy 1984. 252p., NTIS DE84016963
This thesaurus is not meant to be used alone but in conjunc-
tion with the Subject Thesaurus DOE/TIC-7000-R6. It has been
prepared to alleviate the problems of entry to a large multi-
disciplinary thesaurus containing both single and multiword
descriptors.

86-468   048-284
Thesaurus of nuclear science and engineering. Lexico-semantic
index. Pt.1: A to P, Pt.2: R to Ya. Orig.ru. Moskva, SU: CNII
Inform.i tekhn.-ekon.issled.po atom.nauke i tekhn.1983. 1021p.
The source for this thesaurus are the INIS descriptors and the
proposals from the part of indexers and users of the Soviet
Automated Information Dissemination System. It comprises
21,055 lexical units.

86-469   048-36
Moskalenko, Z.D., Gatalin, K.B., Dmitrieva, V.N. et al.(Comp.:
Information retrieval thesaurus in mineral deposits. Orig. ru.
Leningrad, SU: Vses.nauch.-issled.geol.institut 1984. 231p.
The thesaurus comprises 2606 lexical units of which 1720 are
descriptors. In the VSEGEI computer-based IR system the the-
saurus shows 90% recall and 80% precision.   (Orig.abbr.)

86-470   048-387
Orlova, T.M., Kudrjavceva, A.G., Koppel', S.I. et al. (Comp.):
An information-retrieval thesaurus for plastics and elasto-
mers. Orig. ru. Moskva, SU: VINITI 1984. 96p., 34 refs.
The thesaurus contains 1757 descriptors and 517 non-descrip-
tors; it has an alphabetical main part and a systematic index.

86-471   048-446
Nelson, J.S.: Fishes of the world (Classification). Orig. en.
New York, NY: J.Wiley 1984. 523p. 2 app. ISBN 0-471-86475-7
The volume provides an introductory systematic treatment of
all major fish groups. It contains an expanded version of the
1st ed. of 1976 and complete revision of the classification of
fishes based on new knowledge about relationships among fishes.
One appendix contains a series of 45 fish distribution maps.

86-472   048-529
Cooper, L.: Patient education thesaurus. Orig.en. Columbus,OH:
Vincent Medical Library, Riverside Methodist Hospital 1985.
61p., ERIC. ED 257 461
Compilation meant to serve the patients of the hospital. Sub-
jects are grouped in broad categories, cross references are
included.

86-473   048-56
Lavender, G.B., Findlay, G.B.: Australian thesaurus of educa-
tion descriptors. Orig. en. Hawthorn, Australia: Australian
Council for Educational Research 1984. 271p.,
ISBN 0-85563-385-9, ERIC. ED 257 464
A systematic and thorough revision of the "Thesaurus of ERIC
Descriptors" based on the actual terminology of education in
Australia. It contains also extensive scope notes to clarify
meaning and usage of terms.

86-474   048-56
Means, B.B.: Thesaurus of educational nonprint terms. Orig.en.
ERIC 1985. 134p., ED 256 354
This classification system was constructed to provide a con-
trolled vocabulary for current educational nonbook materials,
especially films and videocassettes. The acceptability of
terms was determined by systematic perusal of annotations of
the Delaware-Chenango BOCES holdings.

86-475   048-563
Wuertz, E.L.: Classification of learning assistance center ma-
terials. Orig. en. ERIC 1984. 50p., ED 252 234
Based on the comprehensive curriculum of the California State
University at Long 8each and on the materials collection de-
veloped during several years of operation of the University
Learning Assistance Center, this scheme reflects the special
interests and concerns of learning assistance centers.
                                              (ERIC, abbr.)

86-476   048-57
ILO Thesaurus: Labour, employment and training terminology.
3rd.ed. Orig. en, fr, es. Geneve, CH: International Labour Of-
fice 1985. 490p., US 42.75, Sw.Frs.75.00, ISBN 92-2-003850-1
Contains the English, French, and Spanish terminology used by
the ILO to index and retrieve information recorded in the Cen-
tral Library's LABORDOC data base as well as specialised in-
formation services of other ILO departments and labour libra-
ries elsewhere. The systematic display contains 19 facets.

86-477   048-657
Thesaurus für wirtschaftliche und soziale Entwicklung. 10.rev.
Aufl. (Thesaurus for economic and social development, 10 rev.
ed.) Orig. de. Bonn u. Hamburg, DE: Deutsche Stiftung für in-
ternationale Entwicklung (DSE); Deutsches Obersee-Institut
1985. 369+50+237p., ISBN 3-924441-03-0
The alphabetical part comprises some 2,577 descriptors and
1,294 non-descriptors. In the structured part descriptors are
divided into 19 fields and 104 groups.

86-478   048-71
The IR thesaurus of the USSR Ministry of Provisions automated
STI system. Orig. ru. Moskva, SU: CNII Inform.i Tekhn.-ekon.
Issled.M-va zagot.SSSR 1985. 249p.
Contains 7000 descriptors and 3600 acriptors in alphabetical
arrangement.

86-479   048-746
Information retrieval thesaurus in instrument manufacture, au-
tomation tools and control systems, 3rd ed. Orig. ru. Moskva,
SU: CNIITEI priborostroeniya 1984. 255p.

86-480   048-822
Genre terms. A thesaurus for use in rare books and special
collections cataloging. Orig.en. Chicago,IL: American Library
Association 1983. 45p. ISBN 0-8389-6612-8, ERIC. ED 256 363
Because of the nature of such special collection libraries,
the thesaurus has a literary-historical bias. 'Genre' is de-
fined as a recognized category of works characterized by a
particular form, purpose or content, but not by their physical
manifestations. The list was developed to be used in conjunc-
tion with the MARC Formats for Bibliographical Data.
                                              ERIC,abbr.

86-481   048-88
British Telecom Management College: BTMC Resource Centre sub-
ject headings. Orig. en. London, GB: British TELECOM 1984. 30p.

86-482   048-923
Harris, K.: The Dickens House Classification, prepared for the
library of the Dickens House, London. Orig.en. London, GB: Po-
lytechnic of North London 1986. 98p., ISBN 0-946232-44-X,
SOLIS Res.Rpts.No.18
The introductory text covers the general outline, the common
divisions, the background classes, the biographical material
about Charles Dickens, the classes for the study and apprecia-
tion of the writings, the classes for texts and editions, the
notation, the index, recommendations for adaptation and the
sources. The schedules (p.18-73) are divided into (1) Common
divisions (of form, language, time and space), (2) background
to Dickens studies, (3) Biography of Charles Dickens, (4) Stu-
dy and appreciation of his writings and (5) his writings.

06 Conference Reports, Proceedings

86-483   06.82-09; 72
Farkas, D.F.: Book review of Landman, F., Veltman, F.: Varie-
ties of formal semantics:Proceedings of the 4th Amsterdam Col-
loquium, Sept.1982. Dordrecht: Foris 1984. XII,425p. Orig. en.
Language Vol 62, No 2, 1986. p.415-424, 9 refs.

86-484   06.83-10-19
Anderson, D.: Book review of Bryant, P.(Ed.): Keyword cata-
logues and the free language approach: papers based on a semi-
nar held at Imperial College, London, 19th Oct.1983. Bath Uni-
versity Library 1985. 85p. Orig. en. Catalogue and Index,
No 80, 1986. p.6

86-485   06.84-07-2/6; 343; 715
Rijsbergen, C.J.van (Ed.): Research and Development in Infor-
mation Retrieval.Proceedings of the 3rd Joint BCS and ACM Sym-
posium, King's College,Cambridge, 2-6 July 1984. Orig.en. Cam-

bridge, GB 1984. 433p., The British Computer Society Workshop,
ISBN 0-521-26865-6
The new research approaches and applications of storage and
retrieval treated here include also artificial intelligence
and automatic indexing.

86-486   06.84-10-16/18; 47
Bazanov, V.A., Sukhmaneva, E.G.: International Conference on
the Soviet Library-Bibliographical Classification, Moscow,
Oct.16-18,1984. Orig.ru. In: Probl.nauch.-metod.raboty v akad.
b-kakh. Moskva, SU 1984. p.90-98
The conference (on "Optimisation of the Library-Bibliographi-
cal Classification and its adaptation to the national subjects
of the socialist countries" adopted the following recommenda-
tions: to strengthen a regular exchange of materials on the
results of adaptation, optimisation and LBC adoption; to com-
pile a joint bibliographic index "LBC in the Soviet and fo-
reign press 1960-1985"; and to hold regular international wor-
king conferences on the LBC - at least every 5 years.

86-487   06.85-04-14/17; 77/78
Krommer-Benz,M. (Ed.): Networking in Terminology. Internation-
al Co-operation in Terminology Work. Proceedings of the Second
Infoterm Symposium, Vienna, 14-17 April 1985. Orig. en, fr.
München, DE: K.G.Saur 1986. 642p., ISBN 3-598-21369-7
This is a documentation of the 2nd symposium (the first one
was held in 1975), with a list of the 175 participants, the
8 opening addresses, the 57 papers presented and the 8 addi-
tional ones, and the program. No index. The papers are arrang-
ed according to the 6 sessions in which they were given. They
are in either English or French. In the following they are
given in alphabetical sequence of their authors: 86-488 Arntz,
H.: Vine and wine terminology. - 86-489 Batis, J.: Terminology
work at the Slovene Academy of Science and Arts. - 86-490 Bo-
roni de Canchez-Vegas,M., Fedor de Diego,A.: Technology trans-
fer and Caracas metro terminology. - 86-491 Boudjedid,M.: Le
réseau terminologique de la Société Aerospatiale. - 86-492
Broens, U.: A terminological data base system for the transla-
tion services at the Council of the European Communities. -
86-493 Clas, A., Baudot, J.: BATEM. Une banque de terminologie
sur micro-ordinateur. - 86-494 De Grace, P.: The establishment
of ClearTerm: the International Directory of Libraries and Do-
cumentation Centers in Terminology, the first tool in coopera-
tion. - 86-495 Degremont,N.: La MIDIST et l'industrie de la
langue. - 86-496 Dahlberg, I.: Terminology science and the
special languages of the social sciences. - 86-497 Drozd, L.:
Schools of terminology (a part of a monograph). - 86-498 Engel,
G.: DANTERM. A system for terminology banks. - 86-499 Felber,
H.: Networking in terminology. - 86-500 Felber, H.: The acti-
vity of ISO/TC 37 "Terminology (Principles and Coordination)".
86-501 French, E.J.: Terminological activities in ISO and
their wider significance. - 86-502 Gabrieli, E.R.: Computer
systems compatible biomedical nomenclature and classification.
86-503 Goffin, R.: Le reseacu européen de terminologie GIIT
(Groupe interinstitutionnel de terminologie). - 86-504 Ham-
zaoui, R.: Terminologie et transfert de la technologie des
telecommunications vers l'Arabe: normalisations arabe et in-
ternationale. - 86-505 Harhammer,P.: Energy economics and the
key role of information processing. - 86-506 Hebert, R.: L'é-
puration de la Banque de terminologie du Québec. 86-507 Hebert,
R.: La diffusion de la Banque de terminologie du Québec dans
une perspective du réseau. - 86-508 Hoenigmann, K.: Terminolo-
gy in the international co-ordination of production and trans-
port of electricity. - 86-509 Kleinpeter, M.: Méthodes termi-
nologiques et principes appliqués par la conférence mondiale
de l'énergie. - 86-510 Koenne, W.: Some remarks on the limits
of a comprehensive system of definitions of concepts. - 86-511
Krommer-Benz, M.: TermNet data management: organizational pre-
requisites for networking. - 86-512 Loening, K.L.: Terminologi-
cal guidelines and their application in the International Union
of Pure and Applied Chemistry (IUPAC). - 86-513 Mdee, J.S.:
Terminology and knowledge transfer in Tanzania. - 86-514 Moser-
Mercer, B.: Terminology training and information technology in
California. - 86-515 Nagao,M., Tsujii, J., Nakamura, J.: Ter-
minology dictionary for machine translation. - 86-516 Nedobity,
W.: Tools for terminology work. - 86-517 Nedobity, W.: Train-
ing of subject specialists and engineers in the application of
terminological principles. - 86-518 Nesterov, P.V.: Basic
principles for the standardization of scientific and technical
terminology in the USSR. - 86-519 Neubert, G.: Motivation in
terminology facilitating networking. - 86-520 Nistrup Madsen,
B.: Networking in terminology - cooperation in the Nordic
countries. - 86-521 Oguntunde, A.D.: Problems of scientific
terminology in Nigeria. - 86-522 Ohtsuki, K.: The computeriza-
tion of JICST Thesaurus and its English version. - 86-523
Perstnev, I.P.: Some problems of information between termino-
logical data banks. - 86-524 Perstnev,I.P., Volkova, I.N.: The
role of ASITO terminological data bank (USSR) for terminologi-
cal work. - 86-525 Picht, H.: Networking in terminology teach-
ing and training - the Nordic model. - 86-526 Rahaingoson, H.:
Terminologie du développement et pour le développement: pers-
pectives et priorités africaines. - 86-527 Raventos de Castro,
D.: Technology transfer and technical terminology in Venezuela.
86-528 Reichl, A.: Implementation of new terms in scientific/
technical terminology. - 86-529 Richer, S.: Braille technology

application to data banks. - 86-530 Rutkowski, R.W.: INIS - an example of international co-operation in nuclear energy information. - 86-531 Simoncsics, E.: Code-dictionaries for accessing Japanese scientific and technical information. - 86-532 Singh, R.K.: The problem of mining terminology in India. - 86-533 Stellbrink, H.-J.: Terminological work in the gas industry: a model for international co-operation? - 86-534 Straube, M.: Social impact of terminological development. 86-535 Strausky, Ch.: Environmental protection terminology. 86-536 Stular, P.: IIW international project on terminology of welding and allied processes. - 86-537 Su, W.: Terminology and knowledge/technology transfer in China. - 86-538 Tanke, E.H.R.: Introcompany and intercompany networking in terminology - TEAM. 86-539 Van Reeken, A.J.: Netherlands informatics terminology project based on ISO-vocabulary. - 86-540 Wells, W.G.: Termium et sa cooperative. - 86-541 Williams, M.: Training for translators as producers of terminology. - 86-542 Yannai, Y.: How computer-aided terminology at he Academy of the Hebrew language promotes knowledge and technology in Israel. - 86-543 Yerke, T.B.: Prospects for networking in forestry terminology. 86-544 Hue, M.: Principes de travail terminologique au sein de la CEI. 86-545 Krähenbühl, J.-P.: La traductique à la portée du traducteur: la standardisation des glossaires peut conduire à une bourse terminologique. - 86-546 Krzak, M.: Kinship terminology in Serbo-Croation as an example of a non-tree solvable relation system. - 86-547 Marčuk, J.N.: Translation of new terms: All-Union Translation Centre's (AUTC's) terminology work. - 86-548 Massamba, D.P.B.: Terminology as a prerequisite for language development: the case of Kiswahili. - 86-549 Natanson, E.: Quelques questions fondamentales liées au travail terminologique normalisateur. - 86-550 Oota, K.; Ito, R.: Past and present activities undertaken by the Committee for "Japan Medical Terminology". - 86-551 Rusu, D.: The Romanian terminology of new scientific fields.

86-552   06.85-06-26/28; 251
Gaul, W., Schader, M. (Eds.): Classification as a tool of research. Proceedings of the 9th Annual Meeting of the Classification Society (F.R.G.), University of Karlsruhe,F.R.G., 26-28 June 1985. Orig. en. Amsterdam-New York-Oxford-Tokyo: North-Holland 1986. 502p., $ 92.50; Ofl 250.-, ISBN 0-444-87980-3
The volume contains 56 papers out of 98 which were presented. Pt.I gives the papers in alphabetical arrangement (papers are all in English), Pt.II presents the survey of the program, the Conference Schedule and the List of Speakers. There is no index and no list of participants.
86-553 Balderjahn, I.: The robustness of LISREL unweighted least squares estimation against small sample size in confirmatory factor analysis models. - 86-554 Bentler, P.M.: Structural equation modeling with EQS on a microcomputer. - 86-555 Bock, H.H.: Loglinear models and entropy clustering methods for qualitative data. - 86-556 Böckenholt, I.: Graphic representation of categorical proximities: a maximum likelihood method. - 86-557 Bryant, P.G., Williamson, J.A.: Maximum likelihood and classification: a comparison of three approaches. - 86-558 Carroll, J.D., Pruzansky, S.: Discrete and hybrid models for proximity data. - 86-559 Cholewa, W.: Aggregation of weighted fuzzy opinions. - 86-560 Critchley, F.: Analysis of residuals and regional representation in nonmetric multidimensional scaling. - 86-561 Day, W.H.E.: Agreement versus shared information: formalizing concepts to compare objects. - 86-562 Leeuw, J.de, Meulman, J.: Principal component analysis and restricted multidimensional scaling. - 86-563 DeSoete, G., Carroll, J.D., DeSarbo, W.S.: Alternating least squares optimal variable weighting algorithms for ultrametric and additive tree representations. - 86-564 Eckes, T.: Confirmatory methods in cluster analysis. - 86-565 Elpelt, B., Hartung,J.: On scaling of qualitative data. - 86-566 Espeja, E., Gaul, W.: Two-modehierarchical clustering as an instrument for marketing research. - 86-567 Förster, F.: The use of data-analysis techniques: a structural analysis with non-metric indicators. - 86-568 Frank, O.: Growing classification and regression trees on network data. - 86-569 Fritz, W.: The LISREL-approach of causal analysis as an instrument of critical theory comparison within management science. - 86-570 Gabriel, K.R., Odoroff, C.L.: Use of three-dimensional biplots for diagnosis of models. - 86-571 Ganter, B., Rindfrey, K., Skorsky, M.: Software for formal concept analysis. - 86-572 Gernert, D.: Advanced definitions of similarity and their use in classification and related fields. - 86-573 Hansohm, J.: The optimal scaling method using ALS for variables with complex information levels. - 86-574 Hartmann, W.: Canonical decomposition with linear equality and inequality constrains on parameters. - 86-575 Herden, G.: Goodness-criteria and mean heterogeneity. - 86-576 Hubert, L., Arabie, P.: Comparing partitions. - 86-577 Ibrahim, A., Schektman, Y.: Principal cluster analysis. - 86-578 Ihm, P.: Diagnostics and robust estimation in 2 contingency tables. - 86-579 König, G.: Online-retrieval with Universal Decimal Classification? - 86-580 Körkel, M.: Clustering algorithms for the within-class scatter criterion with a restricted number of elements per cluster. - 86-581 Krauth, J.: Classification procedures for ordered categorial data. - 86-582 Krzysko, M.: The discriminant analysis of multivariate time series. - 86-583 Locarek, H.: A concept for integrated data analysis on microcomputers. - 86-584 Luksch, P., Skorsky,

M., Wille, R.: On drawing concept lattices with a computer. - 86-585 Marcotorchino, F.: Maximal association as a tool for classification. - 86-586 Matula, D.W.: Divisive vs agglomerative average linkage hierarchical clustering. - 86-587 Miebach, B.: Attitudinal differences between students and faculty members. - 86-588 Molliere, J.-L.: What's the real number of clusters. - 86-589 Morineau, A., Lebart, L.: Specific clustering algorithms for large data sets and implementation in SPAD software. - 86-590 Müller, P.: On selecting the set of regressors. - 86-591 Murtagh, F.: A cluster-based strategy for determining nearest neighbours. - 86-592 Nedobity, W.: Classification, artificial intelligence and cognitive psychology. - 86-593 Nishisato, S.: Classification with a variety of categorical data. - 86-594 Ostermann, R., Degens,P.O.: ISP as tool for EDA-experts. - 86-595 Pfeifer, A., Schmidt, P.: Stability of the attitude towards guest workers in West Germany: a structural equation model. - 86-596 Rijckeversel, J.L.A.van: About horseshoes in multiple correspondence analysis. - 86-597 Sager, T.W.: Searching for and exploiting structure in higher dimensional density estimation. - 86-598 Schader, M., Tüshaus, U.: Subgradient methods for analyzin qualitative data. - 86-599 Schiller, K.: A simultaneous test procedure for the selection of loglinear models. - 86-600 Späth, H.: Clusterwise linear least squares versus least absolute deviations regression: a numerical comparison for a case study. - 86-601 Stahl, H.: Cluster analysis of large data sets. - 86-602 Stahl, J., Wille, R.: Preconcepts and set representation of contexts. - 86-603 Takane, Y.: Multiple discriminant analysis for predictor variables measures at various scale levels. - 86-604 Windham, M.P.: A unification of optimization-based numerical classification algorithms. - 86-605 Wishart, D.: Hierarchical cluster analysis with messy data. - 86-606 Young, F.W.: Visual explanatory data analysis: a preliminary report. - 86-607 Uonnes, J.L., MacKay, O.B.: Probabilistic multidimensional analysis: considerations of power.

86-608   06.85-07-4/5
Jackson, K.: (Summary of the Classification Preconference to the ALA Annual Conference, Chicago, July 4-5, 1985). Orig. en. Catalog.& Classif.Quarterly Vol 6, No 3, 1986. p.98-100
Some 125 participants discussed in three half-day sessions (with four plenary sessions and six workshops) topics such as: application of classification to setting and implementation of classification policy, characteristics and usefulness of classification systems, use of classification in automation, problems and concerns in the applications of classification.

86-609   06.85-08-18/24
Kelm, B.: Sektion Klassifikation und Sacherschließung. (Section on classification and subject cataloguing) Orig. de. Z. Bibl.wes.u.Bibliogr. Vol 33, No 1, 1986. p.153
Report on the meeting of the IFLA Section on Classification, held at Chicago, Aug.1985.

86-610   06.85-10-3/4; 42
Schmidt, A.F.: 10.Jahrestagung des OK-Revisionskomitees "Bauwesen" (FIO/C69+) am 3.u.4.Okt.1985 in Köln. (10th Annual Conference of the UDC Revision Committee on Building (FID/C69+) on Oct.3-4, 1985 in Cologne) Orig. de. OK-Mitt. Vol 30, No 1, 1986. p.2

86-611   06.85-10-14; 42
Schmidt, A.F.: Jahrestagung 1985 des DK-Revisionskomitees FIO/C91+(1/9) "Geographie" am 14.Okt.1985 in Bonn. (Annual Conference of the UDC Revision Committee FID/C91+(1/9) "Geography" on Oct.14, 1985 in Bonn) Orig. de. OK-Mitt. 30(1986)No 1, p.2

86-612   06.85-11-18/25; 23
Asian Regional Workshop on Thesaurus Construction and Use. Orig. en. UNISIST Newsletter Vol 14, No 1, 1986. p.10
Report on the Workshop held in New Delhi, from 18-25 Nov.1985 by the Indian National Scientific Documentation Center (INSDOC) and sponsored by Unesco. The senior resource person for the workshop was Prof.W.Lancaster, University of Illinois, Urbana, USA. His manual on "Thesaurus construction and use", prepared for the workshop, is available from the Unesco Division of the General Information Programme.

86-613   06.86-01-16; 41
Gödert, W.: Current situation of library subject analysis. Report on a working session. Orig.en. Int.Classif. Vol 13, No 1, 1986. p.29-30
Report on the meeting of the members of the SIG-Library Classification of the German Society for Classification, Darmstadt, Jan.16, 1986, presenting in short the papers by B.Lorenz, O.Oberhauser, A.Vasiljev, H.Schnelling, U.Krömmelbein, G.Hartwieg, L.Kalok and G.Greiner.

86-614   06.86-01-16
Oberhauser, O.: Inhaltserschließung in der Diskussion. Bericht über die 12.Sitzung der SIG Bibliotheksklassifikation der Gesellschaft für Klassifikation. (Discussion on subject analysis. Report on the 12th Meeting of the SIG Library Classification of the German Society for Classification) Orig. de. Mitt. d.Vereinig.Österr.Bibliothekare Vol 39, No 1/2, 1986. p.37-42

86-614a 06.86-03-19/20; 124
Kemke, Ch.: Bericht über den Workshop 'Wissen, Wissensrepräsentation', 19.-20.3.1986 in München. (Report on the workshop on knowledge and knowledge representation, 19-20 March 1986 in Munich) Orig. de. KI-Rundbrief, Ges.f.Informatik, No 41, 1986. p.16-18
Report on a workshop which discussed papers on the concept of knowledge and knowledge representation. Papers were by Schefe, Lehmann, Strube, Merins, Wachsmuth, Bösser, Gernert, Kiefer, Seel, Krems, Philipps, Altenkrüger, Koch, Ultsch, Schneeberger und Gehrke.

86-615 06.86-06-10/13; 73
ACL 1986 Annual Meeting (10-13 June 1986, Columbia Univ., New York City. Orig.en. Comput.Linguistics (Finite String) Vol 12, No 1, 1986. p.48-50
Contains the information on the 33 papers submitted for presentation and on the 6 tutorials which were to be held on June 10, 1986.

86-616 06.86-06-18/21
Classification and its environment, Münster, June 18-21, 1986. Orig. en. Int.Classif. Vol 13, No 1, 1986. p.32-33
Announcement of the 19th Annual Conference of the German Society for Classification with the 25 titles of papers in English translation of the section dealing with conceptual classification (as against numerical classification).

86-617 06.86-08-25/29
COLING 86. Preliminary Program. 11th International Conference on Computational Linguistics, 25-29 Aug.1986, Bonn, FRG. Orig. en. Computational Linguistics Vol 12, No 1, 1986. p.50-54
List of 161 papers following the program of 43 sessions.

07 Textbooks

86-618 07.3
Brenner,E.H., Saracevic,T.: Indexing and searching in perspective. Orig. en. Philadelphia, PA: NFAIS 1985.
Companion volume derived from and used together with the "Indexing in Perspective" seminar sponsored by the National Federation of Abstracting and Information Services.

86-619 07.3
Henderson, K.L.: Book review of Milstead, J.L.: Subject access systems: alternatives in design. Orlando: Academic Press 1984. X,212p. Orig. en. Cataloging & Classif.Quarterly Vol 6, No 3, 1986. p.85-87

09 Standards, Guidelines

86-620 09.31
ISO-5963-1985. Methods for examining documents, determining their subjects, and selecting indexing terms. Orig.en. Geneve: Int.Standardization Organisation 1985. 5 p., ISO-5963-1985 (E)
Contents: Operation and purpose of indexing; examining the document; identification of concepts; selection of indexing terms; quality control. Annex: flowchart of the indexing operation using a thesaurus.

86-621 09.76
DIN, Normenausschuß Bürowesen et al.: DIN 5007. Entwurf. Ordnen von Schriftzeichenfolgen (ABC-Regeln). (Sequential order of letters) Orig. de. Berlin, FRG: Beuth Verl. 1985. 7p.
The draft standard is meant for the ordering of words, wordgroups and other symbols in catalogs, telephon-books, and other kinds of alphabetical lists.

86-622 09.772
DIN, Normenausschuß Terminologie (NAT): DIN 2332. Entwurf. Benennen international übereinstimmender Begriffe. (Naming of internationally equivalent concepts) Orig. de. Berlin, FRG: Beuth Verl. 1985. 6 p.
The draft explains existing types of interlingual term similarities, the possibility of making use of such similarities for communication or when these are a hindrance and indicates the conditions and means to establish such similarities.

1 THEORETICAL FOUNDATIONS

11 Order and Classification

86-623 112
Dahlberg, W.: Natural law and evolution. Towards a natural classification of order. Part I. Orig.en. Int.Classif. Vol 13, No 1, 1986. p.1-8
The paper seeks to understand natural law, evolution and the forms of determination in a new way through looking into their context from various viewpoints. Order as the conceptual frame for all forms of determination is seen inseparable from consciousness and being. To define closer the relationship between 'order', 'being' and 'consciousness' is the thought prevailing in the background of this investigation (serving at the same time as an introduction into the extensive study of this subject in the monograph "Ordnung, Sein und Bewußtsein".

86-624 115
Kordonskij, S.P.: Scientific ontology construction. Orig. ru. In: Probl.metodol.nauki. Novosibirsk, SU 1985. p.111-123

12 Conceptology in Classification

See also 86-614a

86-625 121
Intensional logics and the logical structure of theories. Theses of the papers of the 4th Soviet-Finnish Logic Colloquy, Telavi, 20-24 May 1985. Orig. ru. Tbilisi, SU: Mecniereba 1985. 175p.

86-626 121
Kononov, B.I.: Problems of formal meronomy: multiplicity and incompatibility of meronomic objects. Orig. ru. Nauchn.-tekhn. inform.,Ser.2, No 3, 1985. p.17-23, 13 refs.

86-627 122
Ungvary, R.: Intensional splitting. An empirical examination of conceptual duality. Orig. en. Int.Classif. Vol 13, No 1, 1986. p.9-17, 12 refs.
Certain words are extremely closely connected, regarding their meanings; such word pairs can be formed, however, not only with the well-known synonyms and antonyms, but also with words of clearly different meaning (e.g. Light-Photon). The studies showed that, even in the case of real synonyms, there is a purely semantical - and consequently conceptual - difference between the parts/elements of the word pairs. Within the pairs there is an elementary conceptual accessibility between the parts; according to all indications this is the basis for the semantical connection. This close connection is the intensional splitting, the quantum of relation.   Author, abbr.

86-628 124; 757
Clancey, W.J.: Classification problem-solving. Orig. en. Stanford,CA: University of Stanford 1984. 30p., NTIS. AD-A149214/9
Heuristic programs, as e.g. forms of diagnosis, catalog selection, skeletal planning, accomplish a kind of well-structured problem solving called 'classification'. The programs have a characteristic interference structure that systematically relates data to a preenumerated set of solutions by abstraction, heuristic association, and refinement.   Author, abbr.

86-630 128-542
Tyrcha, J.: Knowledge representation system in medical diagnosis. Orig. en. Pr./IPI PAN, No 541, 1984. 16p., 9 refs.
An information model is presented that provides for identification and classification of objects by attributes.

13 Mathematics in Classification

86-631 131
Calenko,M.Sh.: Canonical representations of non-reducible systems and classification schemes. Orig. ru. Nauchn.-tekhn.inform.Ser.2, No 1, 1985. p.30-34, 15 refs.

86-632 132
Davies, R.: Q-analysis. A methodology for librarianship and information science. Orig. en. J.Doc. Vol 41, No 4, 1985. p.221-246, 7 figs., 10 tables, 64 refs.

86-633 132; 211
Yu Bing: Fuzzy information retrieval language and its realization. Orig. ch. Zhong Guo Keji Qing Bao Xue Hui Kan. Vol 3, No 2, 1983. p.127-139
Deals with the application of the concept of fuzzy mathematics to information retrieval systems. Languages such as the Weighted Fuzzy Retrieval Language (WFRL) as well as the Logic Fuzzy Retrieval Language (LFRL) are proposed. Their real background, mathematical model and other properties are discussed touching especially on their nucleus - the requirements of the attribution function and its generation techniques - in more detail. In order to derive a proper attribution function, the author defines it first and then discusses a group of membership functions of a power-difference type of weighted vectors and the complete interrogation matrices of logic expressions. The specific realization scheme of the retrieval language is also proposed and discussed. A new module of this language known as FIRM-WL has been realized in the SJTU online information retrieval system of the Shanghai Jiaotong University.
                                                        Lei Zeng

86-634   136
Nguyen, H.T.: On modeling of linguistic information using ran-
dom sets. Orig. en. Inform.Sci. Vol 34, No 3, 1984. p.265-274,
21 refs.

86-635   136
Alimov, Yu.i.: The utilitarian logic of probability theory de-
velopment. Orig. ru. Semiotika i informat., No 24, 1985.
p.58-86, 30 refs.
It is proposed that statistical characteristics in contrast to
probabilistic ones have a direct practical value as clearly
defined measurement algorithms have been developed for them
only. The ultimate interest of the experimenting scientist
lies in forecasting the intervals of expected values of sta-
tistical characteristics. Relations between statistical cha-
racteristics are to be viewed as basic in probability theory.
                                           Orig.abstr.abr.

14 Systems Theory in Classification

86-636   14
Löckenhoff, H.: Book review of Evolutionary Visions of the Fu-
ture. (Special issue of Systems Research, Oxford 1985, Vol.2,
No.1). Orig. en. Int.Classif. Vol 13, No 1, 1986. p.42-45

15 Psychology and Classification

86-637   152
Akulova,L.F.: Towards the nature of intuitive cognition. Orig.
ru. Filos.i nauch.kommunizm, No 12, 1985. p.78-85, 21 refs.

86-638   155
Allen, B.S.: The effect of system-assigned exemplar-comparison
strategies on acquisition of coordinate concepts. Orig. en.
ERIC 1985. 28p., ED 256 304
The feasibility of guiding students of moderate aptitude to
select appropriate learning strategies while they are learn-
ing an imaginary classification system was investigated in a
study that contrasted the effect of system-assigned strategies
for learning concepts with strategies selected by students.
The classification system consisted of 10 major categories and
encompassed approx.200,000 unique instances. Subject were 39
volunteers from a continuation high school who used a computer
program to explore the organization of the classification sy-
stem by selecting and viewing paired examples of defined con-
cepts and who received varied strategy recommendations.
                                           Orig.abstr.,abbr.

86-639   156
Chupin, P.O.: The subject matter and status of the methodology
of scientific cognition. Orig. ru. In: Rol' metodol.v razvitii
nauki. Novosibirsk, SU 1985. p.44-52, 12 refs.

86-640   156
Gerasimov, V.I.: Knowledge in the language functioning proces-
ses. Orig.ru. In: Rol' yaz.v strukturir.soznaniya. Ch.1. Mos-
kva, SU 1984. p.114-137, 96 refs.

86-641   156
Kamouri,A.L; Kamouri,J., Smith, K.H.: Training by exploration:
facilitating the transfer of procedural knowledge through ana-
logical reasoning. Orig. en. Int.J.Man-Machine Studies Vol 24,
No 2, 1986. p.171-192, 2 p.refs.
The study compared exploration-based training and instruction-
based training as methods of acquiring and transferring proce-
dural device knowledge, and examined whether any differences
in learning outcomes could be explained by the trainees' use
of analogical reasoning from either abstract or concrete re-
presentation of devices in memory.   Orig.abstr.,abbr.

86-642   156
Yasikevich, Ya.S.: The problem of genesis of scientific con-
cepts. Orig. ru. Filos.i nauch.kommunizm, No 12, 1985.
p.47-54, 9 refs.

86-643   156
Pogorleckaya, L.D.: Intuition and scientific prevision. Orig.
ru. In: Aktual.probl.teorii poznaniya. Kishinev, SU 1985.
p.84-96, 33 refs.

16 Development of Science and Classification

86-644   161
Institut Filos. AN USSR: A gnosiological analysis of science
mathematisation: an aid for methodological seminars. Orig. ru.
Kiev, SU: Nauk.Dumka 1985. 132p.

86-645   161
Gos.Ped.Institut: Value determination in scientific knowledge.
Orig. ru. Vologda, SU 1984. 114p.

86-646   162
Kanak, F.M.: Expanding the links between science and produc-
tion and the structure of knowledge. Orig. ru. In: Materialis-
tich.dialekt.i vzaimodejstviu nauk. Kiev, SU 1985.
p.26-40, 35 refs.

86-647   162
Depenchuk, N.I., Krymskij, S.B.: Integration in the system of
science interaction. Orig. ru. In: Materialistiches.dialekt.i
vzaimodejstviya nauk. Kiev, SU 1985. p.5-26, 21 refs.

86-648   1627
Karateev, V.P.: The unity of sciences criterion in the context
of the present-day scientific and technological revolution.
Orig. ru. Saratov, SU: Izdatel'stvo Universiteta 1985. 193p.

86-649   163
Mitrofanov, B.S.: Science methodology and scientific reflec-
tion. Orig.ru. In: Probl.metodol.nauki. Novosibirsk, SU 1985.
p.27-37

86-650   163
Rozova, S.S.: The issue of the subject matter of science meth-
odology. Orig. ru. In: Probl.metodol.nauki. Novosibirsk, SU
1985. p.7-26, 15 refs.

86-651   164
Glushkov,V.M., Moroz,A.Ya.: The impact of the "cybernetic fac-
tor" on the character of the mathematics evolution and the
process of scientific knowledge mathematisation. Orig. ru. In:
Gnoseologich.anal.matematiz.nauki. Kiev, SU 1985. p.14-27

17 Problems in Classification

'86-652   171
Kautto, V.: Classification grade: low. Orig. fi. Kirjastolehti
Vol 76, No 3, 1983. p.114-115
The situation of classification in Finland shows that at the
moment almost no activities are going on except for the estab-
lishment of a working group, set up the the Ministry of Educa-
tion to formulate an alphabetical list of subject headings.

86-653   171
Manninen, J.: Inner and outer classification of scientific
literature - some remarks about the philosophy of classifica-
tion. Orig. fi. Kirjastotiede ja informatiikka Vol 3, No 2,
1984. p.27-34, 8 refs.

86-654   172
Beghtol, C.: Semantic validity: concepts of warrant in bib-
liographic classification systems. Orig. en. Libr.Resources &
Techn.Services, No April/June, 1986. p.109-125, 68 refs.
Besides the syntactic aspects of classification theories and
systems, emphasized by classification theorists, the evolution
of four semantic warrants is traced through the development of
twentieth-century classification theory, namely literary, sci-
entific/philosophical, educational and cultural warrant.

86-655   173
Austin, D.: Vocabulary control and information technology.
Orig. en. Aslib Proc. Vol 38, No 1, 1986. p.1-15, 8 refs.
The paper reviews the claims by Borko and Lancaster who fore-
see an end to human-based indexing and classification and exa-
mines a genuine case where the computer followed the proce-
dures proposed by these teachers. It also considers how a mea-
sure of vocabulary control, based on recommendations in some
recent national and international standards, would have avoid-
ed the entirely irrelevant output produced by the machine.

86-656   173
Lorenz, B.: Anmerkung zu Bernd Maassen: Inhaltserschließung
und Innovationsbereitschaft. (Annotation to B.Maassen: Subject
analysis and innovation readiness) Orig.de. Mitt.bl.Verb.Bibl.
Land NRW Vol 35, No 4, 1985. p.501-504, 15 refs.

86-657   177
Holley, R.: The consequences of new technologies in classifi-
cation and subject cataloguing in Third World countries: the
technological gap. Orig. en. Inspel Vol 19, No 3, 1985.
p.141-152, 14 refs.

19 History of Classification

See also 86-776

86-658   193
Dixon, D.: Victorian and Edwardian periodicals for children:
some bibliographical problems. Orig. en. Indexer Vol 15, No 1,
1986. p.15-19, 10 refs.
The access to the contents of the periodicals for children
from that period is very hard because of the deficiency of
their indexes.

2 STRUCTURE AND CONSTRUCTION OF CS & T

21 General questions of CS & T

See also 86-632

86-659 211
Guo You-ren: Some topics worthy of attention in studying re-trieval languages in China. Orig. ch. Zhong Guo Keji Qing Bao Xue Hui Kan Vol 5, No 1, 1985. p.56-62
From a survey of research done in the field of retrieval languages in the last few years in China the author raises a number of topics that ought to be emphasized and studied better with respect to existing retrieval languages as well as new retrieval languages and the creation of new systems. A brief account of the research done on these topics in China and abroad is also touched upon in passing. Lei Zeng

86-660 211
Bose, H.: Classification systems. Orig. en. In: Bose, H.: Information science: Principles and practice. New Delhi: Sterling Publ. 1986. p.17-50

86-661 211
Shelov, S.D.: On one class of scientific and technical vocabularies (three approaches to the identification of nomenclature names). Orig. ru. Nauchn.-tekhn.inform.,Ser.2, No 3-, 1985. p.1-7, 28 refs.

86-663 213
Jing Yu-feng: TMS - Thesaurus Management System. Orig. ch. Zhong Guo Keji Qing Bao Xue Hui Kan Vol 4,No 4,1984. p.298-303
The paper specifies on the design of the thesaurus management system TMS and its functions. The TMS provides users with an environment under which the revision of the thesaurus can be accomplished easily. Lei Zeng

86-664 213
Wang Hui-min: The development of a thesaurus relation proces-sing sub-system of the Chinese Thesaurus Management System. Orig.ch. Zhong Guo Keji Qing Bao Xue Hui Kan, Vol 1, No 2,1981 p.183-192
The functions and components of the Chinese Thesaurus Management System are outlined and a study is made of its crucial portion - the development of the thesaurus relation process-ing subsystem. Thesaurus descriptors, thesaurus relationships and its properties are described using set theory so that 8 errors in interterm relationships coulc be defined, thereby providing the criteria for checking the thesaurus relation of the processing subsystem. The paper discusses primarily the major algorithm of its development using the graph theory to analyse the structure of the NT-BT relationship of a hierarchy and suggests a unified algorithm for checking errors 6 and 7, and for producing both the hierarchy and the NT-BT display files. The components and the features of the subsystem and the results of the experiment are presented. Lei Zeng

86-665 214
Thesauri. Orig. sh. Informatika 4. p.207-274
This special issue is solely devoted to the topic "thesaurus". 86-666 Crvcanin, M.: Thesaurus - its role and position in the information system. - 86-667 Vukasovi, K.: Thesauri. - 86-668 Kovacevic, L.: (A) general thesaurus in (the) National Library of Serbia. - 86-669 Tudjman, M.: Criteria for the translation, supplementation and evaluation of the International Thesaurus of Cultural Development. - 86-670 Dvorkina, B.D.: Multilingual thesaurus of geology: methods of construction of (the) Eng-lish-Russian version. - 86-671 Popovic, N.: Forming the thesaurus for the water economy - review of procedures. - 86-672 Pačić, D.: Some solutions in creating the thesaurus of techni-cal terms in Serbo-Croation for the Federal Bureau of Standards. - 86-673 Tudjman, M., Boras, D.: A posteriori analysis of a thesaurus of cultural development: an attempt at the empirical evaluation and structuring of descriptors.

86-674 214
Stolyarov, R.K., Grigyanec, R.B.: A generalised thesaurus as a metamodel of a document/data retrieval system. Orig.ru. Minsk, SU: Institut Mat.AN BSSR 1985. 28p., 9 refs., Preprint 3/212

22 Elements of CS & T

86-675 221
Rubashkin, V.Sh.: Logical models of term-systems. Orig. ru. Nauchn.-tekhn.inform.,Ser.2, No 12, 1984. p.10-14

86-676 221
Rostron, R.M.: Retrieval languages and data structures. Orig. en. PARC 83. Pinner 1983. p.251-266, 3 refs.
Description of the keyword system (Keycodes) developed by Hutton & Rostron, UK for use in the broad retrieval of refer-ence material. The basis of the system is a dictionary of na-tural language words used in building and related fields. There are currently about 6000 words in the dictionary, addi-tions are continually made. Each term is represented by a four-letter code.

86-677 222
Kodina, L.I.: Typology of classification headings. Orig. ru. Nauchn.-tekhn.inform.,Ser.1, No 7, 1985. p.28-29, 6 refs.

86-678 222
Saowska, J.: Subdivisions in the system of a subject headings language. Orig.pl. Zag.inform.nauk., No 1, 1984. p.147-155, 3 refs.

86-679 225
Jones,L.E.: Book review of Canter, O. (Ed.): Facet theory: Ap-proaches to social research. New York: Springer 1985. 306p. J.Classif. 3(1986)No.1, p.138-144, 4 refs.

86-681 225
Andreev,V.M.: A factual IR system using logical transformation of information. Orig. ru. Nauchn.-tekhn.inform., Ser.2, No 3, 1985. p.13-16, 7 refs.

86-682 227
Strehlow, R.A.: The varieties of compound terms and their treatment. Orig. en. In: Standardization of Technical Termi-nology, Principles and Practices. Philadelphia, PA: ASTM 1983. p.26-33, 16 refs.
Study of the precision or clarity in varieties of compound terms. The terminological treatment of multi-word compound terms depends upon whether one is dealing with sentential compound terms, or hierarchic and categoric compound terms and their relation to classification.

23 Construction of CS & T

See also 86-612

86-683 232
Dombrovskij,B.T.: A semiotic approach to the design of DP sys-tems. Orig. ru. In: Lokal.i raspredel.sistemy obrab.dannykh. Kiev, SU 1984. p.51-55, 9 refs.
Examines the logical principles behind information system classifications and discusses the relation of the syntax and semantics of an indexing language. Presents a semiotic model of descriptors in multi-sorted predicate logic without infer-ence rules forming a semantically closed language.
Orig.abstr.,abbr.

86-684 232
Kasachkov, L.S.: Categorial thesauri in databases. Orig. ru. Nauchn.-tekhn.inform.Ser.2, No 5, 1985. p.11-19

86-685 234
Kostyukova, L.S., Leichik, V.M., Petrova, Z.Yu.: The problems involved in correlating terminology used in information re-trieval thesauri and in standards for terms and definitions. Transl.into en. Scient.& Techn.Inform.Process. Vol 11, No 2, 1984. p.26-32, 23 refs. (Orig.in ru see 85-623).

86-686 234
Antopol'skij, A.B., Lakhutin, D.G.: The language tools of au-tomated document retrieval systems. Orig.ru. In: Mat.obespech. avtomat.bibl.-inf.sistem. Novosibirsk,SU 1984.p.33-39,11 refs.

86-687 236
Shpil'berg, S.M.: Intonation of synthesized Russian language and a thesaurus of an automated information system. Orig. ru. Nauchn.-tekhn.inform.,Ser.2, No 10, 1984. p.9-11, 10 refs.

86-688 237
Chen Hong-jia: Compilation of machine-controlled subject word list and practice in indexing. Orig. ch. Zhong Guo Keji Qing Bao Xue Hui Kan, Vol 1, 1984. p.52-56
A description of the process of compiling the machine-control-led subject word list for shipbuilding technology in building the ALMIS multi-language information retrieval system is made and an account of the practice in and understanding of the work of subject indexing in establishing the database in Chi-nese is given. This database has stored more than 23,000 ref-erences of documents in Chinese whose subject word list has been fed into the computer. Every record of the word list pos-sesses such data items as usage, abbreviation code and subject words in western languages. The system is built on the WANG-VS 100 computer. Lei Zeng

86-689 237
Shajkevich, A.Ya.: On the automatic thesaurus construction us-ing defining dictionaries. Orig. ru. Nauchn.-tekhn.inform., Ser.2, No 4, 1985. p.12-19, 15 refs.

86-690 237
Shao Yi-he: The experiments and considerations on machine-aid-

ed compilation of the Chinese Thesaurus. Orig. ch. Zhong Guo Keji Qing Bao Xue Hui Kan, Vol 3, No 1, 1983. p.22-27
Detailed illustration of the fundamentals and functional features of a system for the machine-aided compilation of the Chinese thesaurus. Such problems as abstraction of descriptors from the main files, frequency statistics, and how to ensure unity and continuity in the process of database construction as well as correctness of the descriptors during their maintenance are postulated. Method and flow-chart of the system are introduced. The compilation of the list of categories is explained. The paper covers also the method for indexing in the experiment - a problem of importance concerning the quality of files and thesaurus.   Lei Zeng

86-691   237
Stepp, R.E.,III: Conjunctive conceptual clustering: a methodology and experimentation. Orig.en. Urbana-Champaign, IL 1984. 208p., Ph.D.Thesis, Univ.Microfilms Order No.ADG85-02306.8506
The methodology described can find conceptual patterns in data as illustrated by three sample problems. It forms clusters of objects (or situations) not on the basis of numerical similarity measure but on the basis of the "conceptual cohesiveness" of one object to another. Conceptual clustering generates a hierarchical classification composed of clusters of objects and corresponding conjunctive-form cluster descriptions (concepts).

24 Relationships

See also 86-676

86-692   241
Arafonov, V.N.: An analysis of semantic tools in documentary (bibliographic) information systems. Orig. ru. In: Mat.obespech.avtomatiz.bibl.-inf.sistem. Novosibirsk, SU 1984. p.16-33, 25 refs.

86-693   242
Deng Luo-hua: Revelation of relationships among concepts with relationship matrix - an attempt to apply the relationship matrix in information analysis and retrieval language. Orig. ch. Zhong Guo Keji Qing Bao Xue Hui Kan 2(1982)No 1, p.29-37
A lot or relationships exist among concepts in information science, and thus they form one of the important subjects of study in informatics. The best mathematical tool capable of their demonstration is the relationship matrix having the advantage of being simple and clear, providing the possibility of introducing relationship calculations to find indirect relationships, and to use a mathematical language for relationship description instead of the popular tongue. It is also considered that by using the matrix, the machine-compiled subject glossary can help the computer expand and contract its retrieval functions, and correct logical mistakes in the manually compiled subject glossary. The "relationship chart" and "fishbone-analysis" in information analysis can be replaced, and the relation symbols used in indexing articles with numerous subjects can be simplified.   Lei Zeng

86-694   242; 244
Popovskaja, Kh.: Synonymy and hierarchic relations in descriptor languages. Orig.ru. Nauch.-tekhn.inform.,Ser.2, No 2,1985. p.8-15, 18 refs.

86-695   244
Valšuba, K., Kotva, St.: Experimental verification of the semantic relation retrieval in the MIS of technical advancement. Orig.cs. Ceskoslov.Inform. Vol 27,No 4,1985. p.97-105, 8 refs.

86-696   247
Blanning, R.W.: Language design for relational model management. Orig.en. In: Manag.& Off.Inform.Systems. New York - London 1984. p.217-235, 40 refs.

86-697   247
Buckles, B., Petry, F.E.: Extending the fuzzy database with fuzzy numbers. Orig. en. Inform.Sci. Vol 34, No 2, 1984. p.145-155, 9 refs.

86-698   247
Livchak, A.B.: Some concepts of the relational database theory. Orig. ru. Nauch.-tekhn.inform.,Ser.2, No 2, 1985. p.21-27, 6 refs.

86-699   247
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25 Numerical Taxonomy

See also 86-461, 86-552-607

86-700   251
Bock, H.H.: Book review of Fahrmeier, L., Hamerle, A. (Eds.):

Multivariate statistische Verfahren (Multivariate statistical procedures). Berlin-New York: W. de Gruyter 1984. 796p. Orig. en. Int.Classif. Vol 13, No 1, 1986. p.37

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Critchley, F.: Book review of Seber, G.A.F.: Multivariate observations. New York: J. Wiley. XX+686p. Orig. en. J. Classif. Vol 3, No 1, 1986. p.135-137, 3 refs.

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Leeuw, J.de, Meulman, J.: A special Jackknife for multidimensional scaling. Orig. en. J.Classif. Vol 3, No 1, 1986. p.97-112, 29 refs.

86-707   251
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Křivánek, M., Morávek, J.: NP-hard problems in hierarchical-tree clustering. Orig.en. Acta Informatika Vol 23, No 3, 1986. p.311-323, 16 refs.

86-715   254
Xiaobo Li, Dubes, R.C.: Tree classifier design with a permutation statistic. Orig.en. Pattern Recognition Vol 19, No 3,1986. p.229-235, 17 refs., 1 app.

86-716   254
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86-717   255
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86-718   255
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86-719 255
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Mohr,R.: Precompilation of syntactical descriptions and knowledge directed analysis of patterns. Orig. en. Pattern Recognition Vol 19, No 4, 1986. p.255-266, 25 refs.

86-721 255
Papakonstantinou, G., Skordalakis,E., Gritzali, F.: An attribute grammar for QRS detection. Orig. en. Pattern Recognition Vol 19, No 4, 1986. p.297-303, 20 refs.

86-722 255
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86-724 255
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86-725 255
Tanaka,E., Ikeda, M., Ezure, K.: Direct parsing. Orig.en. Pattern Recognition Vol 19, No 4, 1986. p.315-323, 24 refs.

86-726 258-49
Swofford, D.L.: Book review of Pielou, E.C.: Interpretation of ecological data: A primer on classification and ordination. New York: J.Wiley 1984. 263p. Orig.en. J.Classif. Vol 3, No 1, 1986. p.150-152, 5 refs.

86-727 258-823
Shabarchiev, Yu.T.: Application of cluster analysis techniques to the study of document information flows. Orig.ru. Minsk,SU: Medicinskij Institut 1985. 27p.

B6-728 258-918
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26 Notation, Codes

86-729 261
Kostina, O.A.: The theoretical prerequisities of a study of notation in library and bibliographic classification. Orig.ru. Sb.nauch.tr.,Mosk.Inst.Kul'tury, No 59,1984. p.103-109,6 refs.

86-730 261
Shaverdova, L.N.: Symbolisation and verbalisation in cognition and culture. Orig.ru. In: Rol' Yaz.v struktur.soznaniya. Ch.1. Moskva, SU 1984. p.9-22, 29 refs.
A classification of signs based on domination of particular psychic processes is presented. Nine principal problems of psychological and semiotic studies are formulated.

28 Compatibility and Concordance between CS & T

86-731 286
Silvester, J.P.: An operational system for subject switching between controlled vocabularies. A computational linguistics approach. Orig. en. McLean, VA: Planning Research Corp. 1984. 105p., ERIC. ED 260 735. NASA-CR-3838
Description of a new automated process that pioneers full-scale operational use of subject switching by the NASA Scientific and Technical Information Facility. The switching is based on the NASA Lexical Dictionary (NLD).

29 Evaluation of CS & T

86-732 298-53
Lin Ping-qing, Huang Gui-yu, Lu Rong-ying: A tentative investigation on the revision of the Chinese thesaurus by use-frequency statistics. Orig. ch. Zhong Guo Keji Qing Bao Xue Hui Kan, Vol 3, No 4, 1983. p.345-348
More than 5,000 articles of traditional Chinese medical literature were indexed according to the Chinese Thesaurus. Frequency of use and distribution of subject headings were sta-

tistically analysed. Results show that subject headings with a frequency of use between 1-15 accounted for 94.3%, whereas those between 16-20 for 5,7%. Subject headings with high and low frequency of use were also analysed, leading to suggestions for the revision of the Chinese Thesaurus. Lei Zeng

3 CLASSING AND INDEXING

33 Classing and Indexing Techniques

See also 86-619

86-733 331
Kaiser, J.O.: Systematic indexing (Subject analysis). Orig.en. In: Theory of Subject Analysis: A sourcebook. Littleton, CO: Libraries Unlimited Inc. 1985. p.52-70

86-734 331
Zhao Zong-ren: On the problems of indexing by natural language Orig.ch. Zhong Guo Keji Qing Bao Xue Hui Kan Vol.4, No.1, 1984 p.42-51
In establishing the National Computer-Based Retrieval System one should use natural language for the indexing of literature. Merits and demerits of indexing with controlled and uncontrolled terms are compared. The application of a unified integrated information retrieval language is proposed for the purpose stated above. Lei Zeng

86-735 332
Bloomberg, M., Evans,G.E.: Subject cataloging: classification. Orig. en. In: Introduction to Technical Services for Library Technicians, 5th ed.. Littleton, CO: Libraries Unlimited, Inc. 1985. p.259-278

86-736 333
Bloomberg, M., Evans, G.E.: Subject cataloging: subject headings. Orig. en. In: Introduction to Technical Services for Library Technicians, 5th ed.. Littleton, CO: Libraries Unlimited Inc. 1985. p.243-258

86-737 333
Bose, H.: Technical indexing. Orig. en. In: Information science: principles and practice. New Delhi: Sterling Publ. 1986. p.51-61

86-738 337
Bidd, D., Chevigny, L.de, Marshall, M.: PRECIS for subject retrieval in a national information system for AV materials - the FORMAT experience. Orig. fr. Doc.et Bibl. Vol 30, No 4, 1984. p.121-131, 12 refs.

86-739 337
Mahapatra, M., Biswas, S.Ch.: Interdependence of PRECIS role operators:a quantitative analysis of their associations. Orig. en. J.ASIS Vol 37, No 1, 1986, p.20-25, 9 refs.
Quantitative analysis of the associations among different role operators by taking the input strings from 200 abstracts each related to the subject fields of taxation, genetic psychology and Shakespearan drama and subjecting them to X^2-test.
Author, abbr.

34 Automatic Classing and Indexing

See also 86-485, 86-756

86-740 341
Belonogov,G.G., Lakhuti,D.G., Pashchenko,N.A., Shumilina,A.L.: Progress report on the automatic indexing of documents and queries under the GASNTI. Orig. ru. In: Probl.sozdaniya retrosp.poisk.massivov v avtomatiz.centrakh NTI. Ch.2. Moskva, SU 1985. p.21-23

86-741 343
Chao Fang: A method of automatic identification of proper nouns. Orig. ch. Zhong Guo Keji Qing Bao Xue Hui Kan Vol 2, No 2, 1982. p.121-125
In automatic indexing, the discrimination of proper nouns from other words in the texts to be processed is an important problem, the solution of which will not only enhance the efficiency of information retrieval but reduce the cost of processing. The author presents a new method of identifying proper nouns which may either be a string of characters or a combination of words to be matched with some specific format, whereby it derives its name - the Format Match Method. Experiments show that the method is simple, handy and flexible. The formats can be easily modified to meet the needs of different subject disciplines. Lei Zeng

86-742 3431
Shi Hong-bao: Term-pair correlation in retrieval and its algorithm. Orig. ch. Zhong Guo Keji Qing Bao Xue Hui Kan Vol 2,

No 4, 1982. p.298-305
On the assumption that there is a correlation among term vectors for the representation of document vectors, the author proposes the concept of a non-orthogonal vector space model, thereby deducing the correlation matrix for calculating the term-pair correlationship and the corresponding matching function algorithm. The latter can be used for the automatic classification of indexing terms. It serves also as the basis for improving the index term correlationship.   Lei Zeng

86-743   3432
Whitley, L.D.: Indexed-indirect addressing using prefix codes (Patent). Orig. en. IBM Corporation 1985 (July 23), US Patent No. 4531200

86-744   345
Suchon, A.: Application of a KWIC program using the CYBER-72 computer to produce KWOC indexes to papers published in APID over 1976-1980. Orig. pl. Aktual.probl.inform.i dok. Vol 29, No 5-6, 1984. p.47-48

86-745   348; 857
Enser,P.G.B.: Automatic classification of book material represented by back-of-the-book index. Orig.en. J.Doc. Vol 41,No 3, 1985. p.135-155, 31 refs.
Report on a research project. A test collection of 250 books is described together with its surrogation by means of the complete back-of-the-book index, table of contents, title and Dewey classification code(s) of each volume. Properties of hierarchic and non-hierarchic automatic classification of the test collection are discussed. An evaluation of the classification in terms of the logical appeal of the cluster membership is made.

86-746   348
Panyr,J.: Automatische Klassifikation und Information Retrieval. Anwendung und Entwicklung komplexer Verfahren in Information-Retrieval-Systemen und ihre Evaluierung. (Automatic classification and information retrieval. Application and development of complex procedures in IR systems and their evaluation) Orig. de. Tübingen: M.Niemeyer Verl. 1986. 416p., 358 refs., DM 138.-, Sprache und Information, Bd.12, ISBN 3-484-31912-7
The work is based on a doctoral thesis and was developed in connection with the project CONDOR (COmmunication in Natural language with Dialog-Oriented Retrieval systems) of the Siemens company sponsored in the years 1973-1981. In the foreword it is stated that the work gives a comprehensive survey on all questions of cluster analysis in information systems. The work is divided into the following 12 chapters with some examples in the annex: 1) Basic aspects of information handling, 2) Automatic classification, 3) Principle of the STEIN-ADLER approach, 4) Thesaurus structure, 5) Identification of hierarchical levels (of formation of priority classes), 6) Cluster analysis on the different levels of the classification, 7) Combinations between neighbourhood hierarchical levels, 8) Possibilities of classification updating (dynamic classification), 9) Interpretation of classification results in rough retrieval, 10) Precision of retrieval results (as a special relevance feedback), 11) Problems of evaluation, 12) Interaction of automatic classification with other subject analysis procedures and their application fields.

86-747   349
Chen Pei-jiu: Automatic indexing test of science document titles in Chinese. Orig. ch. Zhong Guo Keji Qing Bao Xue Hui Kan Vol 2, No 2, 1982. p.113-120
Description of an automatic indexing system in general and discussion of the problem of automatic indexing of titles of scientific documents in Chinese. Some methods like partitioning of Chinese words, the automatic grouping and extracting of keywords as well as their processing patterns are also briefly discussed. These methods are found to be useful to automatic indexing of abstracts and texts of science documents in Chinese. This test has achieved the anticipated result.
                                                  Lei Zeng

35 Manual and Automatic Ordering

86-748   353
Baturin, A.V., Molotkov,L.I., Karpov,Yu.M.: Geometrical modelling of clusters. Orig. ru. Probl.inform.sistem, No 3, 1984. p.45-59, 12 refs.

86-749   354
Heinrich, G.: Book review of Lorenz,B.: Systematische Aufstellung in deutschen wissenschaftlichen Bibliotheken (Systematic shelving in German Scientific Libraries). Wiesbaden: Harrassowitz 1985. 101p. Orig.en. Int.Classif. 13(1986) No 1. p.37-38

86-750   354
Oberhauser, O.: Klassifikation für die Freihandaufstellung der Bestände im Bibliotheksneubau der TU Wien: Adaption einer Systematik der UB der TU München. (Classification for open access of the holdings in the new library building of the Tech-

nical University of Vienna: Adaptation of a classification system of the Library of the Technical University of Munich) Orig.de. Mitt.Vereinig.Österr.Bibliothekare Vol 38, No 4, 1985. p.48-60

86-751   355
Deogun,J.S., Raghavan,V.V., Tsou,T.K.W.: Organization of clustered files for consecutive retrieval. Orig. en. ACM Trans.Database Syst. Vol 9, No 4, 1984. p.646-671, 26 refs.

36 Coding

86-752   367
Computerunterstützte Branchenverkodung. (Computer supported coding of industrial sectors) Orig.de. ZUMA Nachr., No 1, 1986. p.79-87, 2 refs.
Description of work towards computerized coding of industrial sectors. Some 10 000 professions and industrial sectors had been coded which led to the establishment of a fixed scheme by computer recognition of words and their assignments in dictionaries.

37 Reclassification

86-753   371
Tveiteras, A.: Continued reclassification necessary if an international practice shall be the goal (review article). Orig.da. Bok.Bibl. Vol 51, No 29, 1984. p.29-31

86-754   376
Sivolkonin, Yu.T.; Polyanov, V.P.: Managing the conversion of a scientific library's catalogues and stock to BBK. Orig. ru. Sovetskoe Bibliotekovedenie, No 4, 1985. p.67-75

38 Index Generation and Programs

86-755   383; 99
Approved rules for choosing and compiling indexes. Orig. ru. Sov.Bibliogr., No 2, 1983. p.33-39

86-756   383
Aaron,R.; Smith,J.A.: FINDER, FINDERlink and search companion. Software for uploading and downloading. Orig.en. In: Downloading/Uploading Online Databases & Catalogs. Proc.Congr.for Librarians, Feb.18, 1985, St.John's University, Jamaica, NY. Ann Arbor, MI: Pierian Press 1985. p.28-29
FINDER is an inverted indexing system for the PC/MS-DOS family of computers. It provides the retrieval techniques for major online database systems for use on local databases.

86-757   384; 341
Friedman, N.: A portable workbench for indexing documents. Orig.en. In: 4th Jerusalem Conf.Inform.Technol. (JCIT), Silver Spring, MD, 1984. p.604-608, 7 refs.

86-758   387
Bilkun, S.N.; Filimonov, Yu.S., Nedozin, Yu.M., Pasternak, A.: A language for communication with an information reference system built on the INES DBMS. Orig.ru. In: Rol' vychisl.tekhn.v sovershen.khoz.mekhanizma.. Kiev, SU 1984. p.81-86

86-759   388
Finogenova, S.P.: Computerized search in a compilation of thematic indexes. Orig.ru. Sovetskaya Bibliografiya, No 6, 1984. p.37-41, 7 refs.

86-760   388-6
Mdivani, R.R.; Glinskij, V.A.: The linguistic software for an automated social sciences information system; its composition and structure. Orig.ru. Vopr.inform.teorii i prakt., No 52, 1985. p.37-55, 5 refs.

86-761   388-93
Rabson, C.; Rabson, G.: Hum a few bars (National Tune Index). Orig.en. Perspectives in Computing Vol 5, No 1, 1985. p.24-33
Describes database and index design and data collection methods for compilation of the National Tune Index, a comprehensive, multifaceted tool for research in and analysis of 18th century American and British secular music, restoration of early American theater works, and identifying specific tune or text fragments. (ERIC)

86-762   389
Zhao Yen-qun; Zeng Shi-rong: Preliminary subject index analysis of retrieval publications. Orig.ch. Zhong Guo Keji Qing Bao Xue Hui Kan Vol 2, No 4, 1982. p.289-297
A sampling analysis is made of 13 retrieval publications with subject indexes. Through analysis of the number of entries per item (indexing depth) and the number of descriptors per entry

(specificity of index), the meaning of indexing depth is clarified. The authors point out that an ideal subject index should not only provide the specificity of subject matter but also consider the needs of exhaustivity.   Lei Zeng

39 Evaluation of Classing and Indexing

86-763   392
Blair, D.C.: Full text retrieval: Evaluation and implications.
Orig. en. Int.Classif. Vol 13, No 1, 1986. p.18-23, 14 refs.
Recently, a detailed evaluation of a large, operational full-
text document retrieval system was reported in the literature.
Values of Precision and Recall were estimated using tradition-
al statistical sampling methods and blind evaluation proce-
dures. The results of this evaluation demonstrated that the
system tested was retrieving less than 20% of the relevant do-
cuments when the searchers believed they were retrieving over
75%. This evaluation is described including some data not re-
ported in the previous article.   Author, abbr.

4 ON UNIVERSAL SYSTEMS

41 On Universal CS & T in General

86-764   411
Gödert, W.: Book review of Weishaupt, K.: Sacherschließung in
Bibliotheken und Bibliographien. 1. Klassifikatorische Sacher-
schließung. (Subject analysis in libraries and bibliographies.
Classificatory subject analysis). Frankfurt: Klostermann 1985.
175p. Orig.en. Int.Classif. Vol 13, No 1 1986. p.39-40

86-765   415
Candelaria,R.: New classification scheme would make BI (bibli-
ographic instruction) a snap. Orig.en. SC Libr., No 29, 1985.
p.18-19

86-766   415
Sycheva,L.S.: Typology of scientific disciplines. Orig.ru. In:
Probl.metodol.nauki. Novosibirsk,SU 1985. p.95-111, 17 refs.

86-767   417
Meghanatha Reddy, K.: Comparison of complexity of national sy-
stems of UDC and CC - a quantitative approach. Orig.en. IASLIC
Bull Vol 30, No 2, 1985. p.61-68
A unique method of assessing the complexity of the notational
systems of UDC and CC is discussed. The complexity is quanti-
fied by defining a Unit of Complexity as a function of mixed
base of the notational system. The correlation of length and
complexity of a sample of class numbers with increasing co-ex-
tensiveness are examined. The coefficient of correlation at
micro-document and macro-document levels are evaluated for
UDC and CC and are compared. The data is fitted for a linear
regression line by the least-square method which gives a pre-
diction of the complexity with the length of the class number.

42 On the Universal Decimal Classification

See also 86-610, -611, -899

86-768   42.17
Heigl,F.J.: Optimierung der Dezimalklassifikation. (Optimizing
the UDC) Orig.de. DK-Mitt. Vol 30, No 1, 1986. p.3

86-769   '42.217
Cullen, T.: Have UDC, will travel. Orig. en.
State Libr., No 33, 1985. p.30-31

86-770   42.26; 42.815
Babiczky,8.: Changes in UDC and the notation techniques. Orig.
hu. Könyvtari Figyelö Vol 31, No 1, 1985. p.17-27, 9 refs.
Examines the latest edition of the UDC rules published in 1982
with the aim of making the notation more flexible to facili-
tate usage. Examples are given.   Orig.abstr.abbr.

86-771   42.38
Nakamura, Y.: Automatic production of schedule and index of a
classification system - The genesis of PRISM system. Orig. en.
DK-Mitt. Vol 30, No 3/4, 1986. p.9-14, 5 refs. Also in: Infor-
mant (Tokyo) 3(1985)No.2, p.93-112 (microfiche form only)
The value of an alphabetical index to an extensive classifica-
tion system, expecially for UDC, is discussed. A quick automa-
tic production of an alphabetical index is considered necessa-
ry. For this, a certain harmonization is required between in-
dex and schedule texts. A previous study of the author is ex-
tended to implement the simultaneous production of the sche-
dule and the index from a common master tape including master
text and commands. Considerations are given for fixing the

master text format, style and structure. A study on the imple-
mentation of necessary computer processing follows showing the
general flow chart and a finalized command system. The develop-
ment of the system, named PRISM, is described and its applica-
tion to the production of the Second Japanese Medium Edition
of the UDC, published in 1984, is given with specimen pages of
final products and some comments.   (Author)
(The version published in DK-Mitt. is abridged. Tables 3 and
4 are deleted (including the presentation of the commands).

86-772   42.6-6
Biebl, M.: SOWIDOK, die Sozialwissenschaftliche Datenbank des
Österreichischen Arbeiterkammertages. Aufbau, Gliederung, Re-
cherchemittel und Zugriffsmöglichkeiten. (SOWIDOK, the social
science databank of the Austrian Federation of Workers. Con-
struction, outline, retrieval instruments and accessibility)
Orig.de. DK-Mitt. Vol 30, No 2, 1986. p.5-8
The article introduces into the databank, describes the ac-
cessibility via UDC and thesaurus, the thesaurus as an aid in
retrieval, and the computer-supported thesaurus-editing system
ATES.

86-773   42.6-984
Wellisch, H.H.: The Universal Decimal Classification and its
application to Jewish materials. Orig.en. Judaica Librarian-
ship Vol 1, No 2, 1984. p.94-95, 107, 2 refs.
Discusses the UDC treatment of Jewish topics and compares some
UDC and Dewey notations for Jewish subjects.

86-774   42.984
Dupleva, S.G.: Working tools of the UDC. Orig. ru.
Nauchn.i Tekhn.Bibl., No 12, 1984. p.14-17, 1 ref.

43 On the Dewey Decimal Classification

86-775   43.179
Comaromi, J.; Markey, K.: Current explorations: USA. Orig.en.
MARC Users' Group Newsletter, No 1, 1985. p.15-26, 18 refs.
Papers presented at the 1984 Anual Seminar of the UK MARC
User's Group on subject access: Can MARC cope? 18-20 Sept.1984.

86-776   43.19
Chmielewska-Gorczyca, E.: Dewey Decimal Classification - its
history and the current state. Orig. pl.
Zag.inform.nauk., No 1, 1984. p.94-114, 9 refs.

86-777   43.4
Danesi, D.: Dewey: towards the Italian edition. Orig. it.
Boll.Inform.(Assoc.Ital.Bibl.), No 24, 1984. p.45-56

86-778   43.6-83
New computer science schedules in the Dewey Decimal Classifi-
cation. Orig.en. Libr.Assoc.Rec. Vol 87, 1985. p.447

86-779   43.6-985
Satija, M.P.: Book review of Sharma, P.S.K.: Depth schedules:
Indian Philosophy and Religions for Dewey Decimal Classifica-
tion (19). New Delhi: Ess Ess Publ.1986. VII,189p. Orig. en.
Int.Classif. Vol 13, No 1, 1986. p.40-42

44 On the Library of Congress Classification

and on the Library of Congress Subject Headings (LCSH)

86-780   44.175
Sing Yoke Fong: Some considerations on the adoption of the Li-
brary of Congress Classification scheme in the NUS Law Library.
Orig.en. Singapore Libraries Vol 14, 1984. p.33-36
Considers the limitation of the Benyon Classification Scheme
adopted at present by the National University of Singapore Law
Library, the advantages and disadvantages of the Library of
Congress Classification System for law materials, and some
practical problems encountered in conversion.

86-781   44.6-82
Larson,C.A.; Bailey, E.J.: The Library of Congress Z schedule:
it's time for a change. Orig.en. Libr.Resources & Techn.Servi-
ces Vol 29, No 4, 1985. p.369-383, 17 refs.
A brief history of the Library of Congres Z schedule and recent
LC modifications in the treatment of subject bibliography.

86-782   44.6-967
Amaeshi, 8.: African literature as a new main class. Orig. en.
Int.J.Public Administration Vol 17, No 1, 1985. p.39-50

86-783   448
Studwell, W.E.; Hamilton, D.A.: Library of Congress Subject
Heading. Period Subdivisions for the Soviet Union: some pro-
posed additions. Orig.en. Catalog.& Classif.Quarterly Vol 6,
No 3, 1986. p.63-83, 19 refs.
Areas covered are: Soviet Union, Baltic States, Siberia, Sov-

iet Central Asia, Soviet Far East, Ural Mountains Region, and fifteen individual republics.

45 On the Bliss Classification (BBC)

86-784   45.6-61
Evans, D.: Book review on Mills, J., Broughton,V.(Eds.): Bliss Bibliographic Classification, 2nd ed. Class K - Society. London: Butterworths 1984. 167p. Orig. en.
Social Sci.Inform.Studies Vol 5, 1985. p.199-201

86-785   45.6-61
Maltby,A.: Book review of Mills,J., Broughton,V. (Eds.): Bliss Bibliographic Classification. 2nd ed. Class K - Society. London: Butterworths 1984. 167p. Orig. en.
J.Doc. Vol 41, No 3, 1985. p.206-208
As a statement to this review, a Letter to the Editor was written by Chris Preddle, the Honorary Secretary of the Bliss Classification Association concerning some "misgivings about the future of the scheme", telling about current plans and resources of this general scheme in its 2nd ed.

46 On the Colon Classification (RCC)

86-786   46.07
Dahlberg, I.: Book review of Kaula, P.N.: A treatise on Colon Classification. New Delhi-Bangalore-Jalandhar: Sterling Publ. 1985. 314p.. Orig.de. Nachr.Dok. Vol 37, No 2,1986. p.117-118

47 On the Library Bibliographical Classif.

See also 86-486   (LBC/BBK)

86-787   47.213
Fadicheva, E.N.: Towards the problem of using the Soviet LBC in automated library-bibliographic systems. Orig. bg.
Bibliotekar, Sofia Vol 31, No 11, 1984. p.23-27, 7 refs.
Three trends in the adaptation of LBC to the purposes of automated information systems are discussed: improvements within the framework of the 1st edition, facetisation and combination of LBC with descriptors.

86-788   47.273
Gozina, G.I.; Goltvinskaya, T.S., Gubar', S.D., Petrova, E.M., Zhurzhalina, N.P. (Comps.): The Library-Bibliographical Classification: Organisation and methodology of schedules perfection efforts. Orig.ru. Moskva, SU 1985. 88p.
Provisions, instructions and guidelines for continuing development and perfection of the LBC schedules are given.

86-789   47.273
Lipoveckaya, L.A.: Some issues in the optimisation of the LBC schedules. Orig.ru. Sb.nauch.tr., Mosk.institut kultury, No 59 1984. p.119-125

86-790   47.6-274
Feofanova, E.I.: Reflecting in LBC schedules problems in the theories of atomic nucleus structure and nuclear reactions. Orig.ru. Sov.Bibl.-bibliogr.Klassif., No 5, 1985. p.6-13

86-791   47.6-35
Dmitrieva, E.A.: Optimisation of LBC schedules, with special reference to Class D 46/47 Hydrogeology. Orig. ru. Sov.Bibl.-bibliogr.Klassif., No 5, 1985. p.14-27, 2 refs.

86-792   47.6-91
Saraeva, G.A.: Optimising Class III 1 Linguistics in the 2nd LBC edition. Orig.ru. Sov.Bibl.-Bibliogr.Klassif., No 5, 1985. p.90-99, 8 refs.

48 On Other Universal Systems

86-793   487
Lebedinskaya, E.M.: Retrieval of patent information using the International Patent Classification system. Orig. ru.
Nauchn.i tekhn.Bibl.SSSR, No 10, 1984. p.27-32, 7 refs.
The International Patent Classification (IPC) is used by special libraries and documentation centers of the USSR responsible for the organization of patent collections. Discussion of some of the drawbacks of the IPC and description of the main aspects of patent classification and indexing. A consistent use of the IPC is demanded.

86-794   489
Strange,M.: Book review of Castonguay, R.: A comparative guide to classification schemes for local government collections. Westport, CT: Greenwood Press 1984. XV+144p. Orig. en.
Libr.Quarterly Vol 56, No 1, 1986. p.89-90

5 ON SPECIAL OBJECTS CS

86-795   543
Estabrook,G.F.: Book review of Heywood,V.H., Moore,D.M.(Eds.): Current concepts in plant taxonomy. London: Academic Press 1984. 432p. = The Systematics Association, Spec.Vol.No.25.
Orig.en. J.Classif. Vol 3, No 1, 1986. p.167-168

86-796   551
Sen, T.K.: Book review of Fleishman, E.A., Quaintance, M.K.: Taxonomies of human performance. London: Academic Press 1984. 514p. Orig.en. J.Classif. Vol 3, No 1, 1986. p.148-149

86-797   5552
Feger,H.: Book review of Smithson, M., Amato, P.A., Pearce, P.: Dimensions of helping behavior. New York: Pergamon Press 1983. VII+164p. = Int.Ser.Experiment. Social Psychol.,Vol.6. Orig.en J.Classif. Vol 3, No 1, 1986. p.145-147, 1 ref.

86-798   561
Jones, C.L.: Book review of Mukherjee, R.: Classification in social research. Albany, NY: State Univ.of New York Press 1983 255p. Orig.en. J.Classif. Vol 3, No 1, 1986. p.173, 1 ref.

86-799   576
Mekhtiev, D.M.; Imranov, A.M.: Improvements in the system of maintenance and introduction of OK TEI and USD in the Azerbaijan SSR. Orig.ru. Klassifikatory i Dok., No 2, 1985. p.25-26

86-800   5B3
Fourdriat, E.C.: New taxonomy for distributed computer systems based upon operating system structure. Orig.en. Hampton, VA: National Aeronautics and Space Administration 1985. 21p., NTIS N85-30709
The structure upon which resources can be built and shared are examined. Location and control character of this indivisibility provides the taxonomy for separating uniprocessors, computer networks, network computers and algorithm and/or data control multiprocessors. The taxonomy resulting divides machines into a classification relevant to the client and not to the hardware architect.

86-801   5831
Struckmann, W.: Systems and categories of automata. Orig. en.
Elektron.Inform.verarb.u.Kybernetik Vol 21, No 8, 1985. p.411-416, 17 refs.
Here, the input and output process approach is shown to encompass numerous kinds of classic and new L systems, e.g. TOL. ETOL systems, and even stochastic and fuzzy L systems.

86-802   591
Putseys,Y.: Book review of Warren, B.: Classifying adjectives. Göteborg 1984. 318p. = Gothenburg Studies in English, 56.
Orig.en. I.T.L.Rev.of Appl.Linguistics, No 71, 1986. p.87-95

6 ON SPECIAL SUBJECTS CS & T

62 On CS & T in the Energy and Matter Area 2

86-803   6284
Töpfer, S.; Pfund, A., Jankowski, L.: Problems of the data and indexing language of factual information systems in nuclear science and engineering. Orig. cs.
Radioisotopy Vol 25, No 2, 1984. p.259-278, 15 refs.

63 On CS & T in the Cosmos and Earth Area 3

86-804   6335
Stajniak, J.: Thesaurus in applied geophysics. Orig. pl.
Biul.inform.: Geofiz.stosow., No 1-2, 1983. p.86-98, 8 refs.

64 On CS & T in the Bio Area 4

86-805   6463
Movshon, L.M.: The effectiveness of linguistic software as a function of the choice of the indexing method. Orig. ru.
Byul.NTI/MS AGROINFORM Vol 1, No 4, 1984. p.171-181, 7 refs.
The paper describes and graphically represents the dynamics of descriptor vocabulary saturation for the subject field "Mechanisation and electrification of agricultural production".

65 On CS & T in the Human Area 5

B6-806   653
Lu Rong-ying; Huang Gui-yu, Lin Ping-qing: Trial compilation of a thesaurus for indexing traditional Chinese medical literature. Orig.ch. Zhong Guo Keji Qing Bao Xue Hui Kan Vol 3, No 4, 1983. p.349-352
In order to solve the problem of a thesaurus indexing of Chi-

nese medical literature, the authors extracted all subject terms relevant to Chinese medicine from the Chinese Thesaurus for arrangement and compilation in a trial draft to form the Chinese medical section of the same. With this trial list and the Medical Subject Headings Annotated Alphabetic List compiled by the American National Library of Medicine some 5,000 articles of traditional Chinese medical literature were indexed. In practical indexing, some revisions and additions were made. It is pointed out that such a principle and method of compilation and revision may be of value also in other disciplines.

Lei Zeng

66 On CS & T in the Socio Area 6

86-807 662
Hansis,J.; Mausberg,W., Tappertzhofen,J.; Deutscher Bundestag, Gr.Datenverarb.: Struktur des Thesaurus für Parlamentsmaterialien PARTHES. (Structure of the thesaurus for parliamentary materials) Orig.de. München, DE: Saur 1985. 146p., 9 tabl., 10 refs., ISBN 3-598-10584-3
PARTHES is used in the Documentation and Information System for Parliamentary Materials (DIP) and in the information system "Legislation of the Federal Republic" (GESTA). Here its formal rules for the editorial work are laid down as well as its computer-supported maintenance with the program system PROTOS which includes also the automated establishment of index entries for DIP and GESTA.

86-808 666
Myers, A.K.: Development of a maritime law classification: the University of Virginia Newlin Collection on Oceans Law and Policy. Orig.en. Law Library J. Vol 77, No 2, 1984-85. p.289-306, 13 refs.
Discusses the process of developing a unique maritime law classification system for the collection of the Center for Oceans Law and Policy at the University of Virginia.

67 On CS & T in the Econ. & Production Area 7

86-809 672
Wozniak, J.: A thesaurus in management organisation and staff development. Orig.pl. Zag.inform.nauk., No 1, 1984. p.75-93, 12 refs.

69 On CS & T in the Humanities Area 9

86-810 692
Rawles,S.: The collocation of individual parts of longer works in classical literature at Glasgow University Library. Orig.en. Catalogue & Index, No 80, 1986. p.7-8

7 CLASSIFICAT AND LANGUAGE

71 General Problems of Natural Language

86-811 711
Arzikulov,Kh.A.: On the modelling of language with engineering linguistic methods. Orig.ru. In: Vopr.medolir.yazyka i mash. per. Samarkand, SU 1984. p.4-10, 33 refs.

86-812 711; 152
Shaverdova, L.N.: The role of language in consciousness structuring: Pt.1. Orig.ru. Moskva: Institut Filosofii 1984. 161p.

86-813 713
Anshakov, O.M.; Skvortsov, D.P., Finn, V.K.: Some semantic and syntactical problems of automatic hypothesis generation. Orig. ru. Nauchn.-tekhn.inform.,Ser.2, No 11, 1984. p.5-13, 15 refs.

86-814 713
Stewart, D.: Putting natural language to work. Orig. en. Popular Computing Vol 4, No 11, 1985. p.64-68
Discusses design, applications, advantages, disadvantages, users, and future trends of two types of natural language programs: menu-driven where commands are constructed from lists of words, and English-command-driven which translate words into commands recognized by the computer. Several specific computer programs are described, including one that facilitates natural language programming. (ERIC)

86-815 715
Dreyfus, H.L.: Die Grenzen künstlicher Intelligenz. Was Computer nicht können. (The boundaries of artificial intelligence. What cannot be taken over by computers) Orig. de. Königstein, DE: Athenaeum 1985. 373p., refs., ISBN 3-7610-8369-6
The author shows why human thinking cannot be replaced by computers. Human apprehension, understanding and learning are holistic processes not repeatable by purely formal algorithms.

86-816 715
Fowler, E.: AI school of philosophy. Orig. en.
The Times, New York, March 18, 1986
In the article of the NY Times News Service the necessity of the study of philosophy for work in artificial intelligence is pointed out. At Carnegie-Mellon University in Pittsburgh a course is offered called "Logic and Computation" involving studying the technical and theoretical issues in artificial intelligence. Similar courses are given elsewhere also.

86-817 715; 157
Habel, C. (Ed.); Ges.f.Informatik; FA 1.2: Künstliche Intelligenz und Mustererkennung: Künstliche Intelligenz. Repräsentation von Wissen und natürlichsprachliche Systeme. Frühjahrsschule, Dassel, Solling, 5-16.März 1984. (Artificial Intelligence. Spring Course at Dassel, March 5-16, 1984) Orig.de. Berlin, DE: Springer 1985. 327p., refs., ISBN 3-540-15190-7
Authors of the papers of this course are W.Bibel and J. Laubsch, C.Schwind, T.Christaller and U.Quasthoff, C.Habel and C.Rollinger.

86-818 715; 757
Savory, S.E. (Ed.); Nixdorf Computer: Künstliche Intelligenz und Expertensysteme. Ein Forschungsbericht. (Artificial intelligence and expert systems. A research report). Orig.de. München: Oldenbourg 1985. 250p., refs., ISBN 3-486-20026-7
Survey on industrial research work concerning artificial intelligence, especially expert systems. Contributions are by S.E.Savory, H.Roesner, B.Mescheder, U.Noelke, L.Fohmann, A.M. Tjoa, R.R.Wagner, K.Macho, L.Winkelbauer, R.M.Jansen-Winkeln, H.Gust, W.Dilger, O.Mayer, J.Müller, N.Ryska.

86-819 715
Shah, K.T.: Why LISP is the chosen language of AI (Artificial Intelligence). Orig.en. CIPS Review (Canadian Inform.Process. Soc.) Vol 9, No 5, 1985. p.20-21
Because of the multiphase structure of AI software, LISP, PROLOG and other symbolic processing languages are especially capable. LISP had been expressedly designed for AI usage by its inventor. It is based on mathematical logic and computation theories, the foundations of scientific thought processes.

86-820 715
Soergel,D.: Book review of Brodie,M.L.,Mylopoulos,J., Schmidt, J.W.(Eds.): On conceptual modelling. Perspcetives from artificial intelligence, databases, and programming languages. New York: Springer 1984. 510p. Orig.en. Int.Classif. Vol 13, No 1, 1986. p.45

86-821 715
Stachowitz, R.A.: A formal framework for describing and classifying semantic data models. Orig. en.
Inform.Systems Vol 10, No 1, 1985. p.77-96, 25 refs.
The classification framework presented is based on systems of logic with greater expressive power than predicate calculus. See also 86-485

72 Semantics

See also 86-483

86-822 722
Studies in semantics: The semantics of words and word combinations. Orig.ru. Ufa, SU: Bash.Universitet 1984. 148p., 8ezhvuzovskij Nauchnyj Sbornik.

86-823 724
Ambiguité et évaluation de l'information. (Ambiguity and evaluation of information) Orig.fr. BRISES: Bull.Rech.l'Inform.en Sci.Econ.,Hum.et Soc., No 7, 1985
This number contains 16 articles on different aspects of ambiguity by the following authors: J.Hintikka, F.Nef, C.Fuchs, C.-P.8ruter, P.Kaufmann, Ph.Montigny, C.Kerbrat-Orecchioni, M. 8arbut, P.-Y.Raccah, M.Imberty, J.-R.Ladmiral, Y.Lepage, B. Fradin, J.Leon, Th.Lafouge, Ch.Potocki and G.Varet.
(Abstracts see Documentaliste 23(1986)No.2, p.85-86).

86-823a 724
Sokolova, A.M.: Towards the question of term polysemy: a case study of the economics term. In: Nauch.lit.: Yaz., stil', zhanry. Moskva, SU 1985. p.301-311, 18 refs.
Examination of the French foreign economic terminology to identify terminological polysemy, its distinctive features, actualization of the context, and external and internal form.

73 Automatic Language Processing

86-824 731
Blekhman, M.S.; Zakharov, A.A.: Establishing the superphrasel structure of a natural language text by using a system of logical predicates. Orig. ru.
Probl.bioniki, No 34, 1985. p.74-79, 4 refs.

86-825   737
8elonogov,G.G.; Zagika,E.A., Zelenkov,Yu.G., Novoselov,A.P.: <u>Automatic morphological analysis based on inverse relations</u>. Orig.ru. In: Probl.sozdaniya reprosp.poick. massivov v avtomatiz.centrakh NTI. Ch.2. Moskva, SU 1985. p.66-68

86-826   737
Zelenkov, Yu.G.: <u>Fast approximate morphological analysis algorithm</u>. Orig.ru. In: Probl.sozdaniya retrosp.poisk.massivov v avtomiz.centrakh NTI, Ch.2., Moskva, SU 1985. p.62-63

74 Grammar Problems

86-827   743
Gaglio,S.; Morasso,P., Tagliasco, V.: <u>Syntactic techniques in scene analysis</u>. Orig.en. In: Artificial Visions for Robots. New York, NY: Chapman & Hall 1983. p.58-66, 11 refs.

86-828   743
Henderson, T.C.; Samal, A.: <u>Shape grammar compilers</u>. Orig. en. Pattern Recognition Vol 19, No 4, 1986. p.279-288, 16 refs.
Compiler generation tools have been used quite successfully to produce parsers for certain classes of string grammars. Such techniques can also be applied to the development of syntactic shape parsers. A generalization of LR parsing is presented to shape grammars based on the use of geometrical relations between the symbols.   Author, abbr.

86-829   744
Krivonosov, A.T.: <u>Linguistic means for expression of logical negation</u>. Orig. ru. Filolog.N., No.1, 1985. p.60-67

75 Question-Answering Systems, Online Techn

See also 86-912

86-830   751
Andrusenko,T.B.; Chemeris, N.N.: <u>Typical procedures of natural language interaction</u>. Orig.ru. Modeli i sistemy obrab.inform., No 4, 1985, p.41-46, 7 refs.

86-831   751
Tufis,D.; Cristea, D.: <u>IURES: a human engineering approach to natural language question-answering systems</u>. Orig.en. In: Artificial Intelligence: Methodology, Systems, Applications. Amsterdam, NL: Elsevier Sci.Publ. 1985. p.177-184, 13 refs.
An operational natural language question-answering system is presented.

86-832   754
Petrova, E.M.: <u>An approach to the construction of a universal command language for online IR systems</u>. Orig. ru. Sb.tr./VNIIPAS, No 1, 1984. p.37-44, 3 refs.

86-833   754
Wallace, M.: <u>Communicating with database in natural language</u>. Chichester,GB: Horwood 1984. 170p., 22 figs., 61 refs., Ellis Horwood Series in Artificial Intelligence, ISBN 0-85312-639-9
Treats computer linguistics and programming in PROLOG.

86-834   757
Buchanan, B.G.: <u>Expert systems: working systems and the research literature</u>. Expert Syst. 3(1986)No 1, p.32-51, 366 refs.
Many expert systems have moved out of development laboratories into field test and routine use. About 60 such systems are listed and described in short.

86-835   757
Clancey, W.J.: <u>Heuristic classification</u>. Orig.en. Artificial Intelligence 27(1985)No 3, p.289-350, 20 figs., 100 refs.
The methods of heuristic classification have a characteristic inference structure that systematically relates data to a preenumerated 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.   Author, abbr.

86-836   757; 847
DeSalvo, D.A.; Liebowitz, J.: <u>The application of an expert system for information retrieval at the National Archives</u>. Orig. en. Telematics & Informatics 3(1986)No 1, p.25-38, 16 refs.
Description of a prototype computer system, designed to test the usefulness of expert IR systems at the National Archives. This is a backward-chaining, rule-based system that stores the compiled knowledge of expert archivists about records search as rules, and facts and metafacts about the records as lists. The system implements a simple logical model for how archivists navigate the Archives records, and provides a convenient format for interfacing with a database through list management.   Author, abbr.

86-837   757
Fidel, R.: <u>Towards expert systems for the selection of search keys</u>. Orig.en. J.ASIS Vol 37, No 1, 1986. p.37-44, 8 refs.

86-838   757
Kehoe,C.A.: <u>Interfaces and expert systems for online retrieval</u> Online Review Vol 9, No 6, 1985. p.489-505, 48+13 refs.

86-839   7578-66
Grundmann, St.: <u>Vorüberlegungen zur Ausarbeitung eines computergestützten juristischen Expertensystems</u>. (Preliminary considerations for the elaboration of a computer-supported expert system for legal problems). Orig. de. Datenverarb.im Recht Vol 14, No 3, 1985. p.175-190
See also 86-628, 86-818

76 Lexicon/Dictionary Problems

See also 86-620

86-841   762
Blanar, V.: <u>Organisation of a language vocabulary</u>. Orig. sk. Jazykoved.čas. Vol 36, No 1, 1985. p.23-31, 15 refs.

86-842   762
Chodorow, M.S.: <u>Extracting semantic hierarchices from a large on-line dictionary</u>. Orig. en. In: Byrd, R.J., Heidorn, G.E.; Proc.ACL. Yorktown Heights, NY: IBM Thomas J.Watson Research Center 1985. p.299-304

86-843   762
Safonkina, S.A.: <u>On the ways to represent lexicographic information in a communication format</u>. Orig. ru. Nauch.-tekhn.terminol., No 4, 1984. p.5-10

86-844   765
Belonogov,G.G.: <u>Application of computers to the compilation of formalised lexical unit descriptions</u>. Orig.ru. In: Semiot.aspekty formaliz.intellekt.deyatel'nosti. Moskva,SU 1985. p.390

86-845   765
Zhang Zhong: <u>An automatic keyword conversion and upposting system</u>. Orig.ch. Zhong Guo Keji Qing Bao Xue Hui Kan Vol 1, No 1 1981. p.50-59
The system can be used in an information retrieval system as a man-machine interface, the main function of which is to convey any non-standard keywords present in the maste file and the profiles into standard ones with the help of a machine-readable thesaurus and to carry out up-posting when necessary. These techniques are of great significance in vocabulary control and in upgrading the retrieval effectiveness of the overall system.   Lei Zeng

86-846   767
Auramäki,E.; Leppänen, M., Savolainen, V.: <u>New concept of data dictionary system presented on linguistic level</u>. Orig.en. Helsingin kauppakorkeakoul.Julk., No 8,75 1984. p.163-93, 15 refs.

86-847   768-825
Suslova, I.M.: <u>Standardised terminology in the new edition of the Dictionary of Library Terms</u>. Orig. ru. Nauch.-tekhn.terminol., No 2, 1985. p.10-12

77 General Problems of Terminology

See also 86-621

86-848   77.012
<u>Hidden glossaries</u>. Infoterm Newsletter, No 39, 1986. p.6-9
38 references from al fields of knowledge in alphabetical arrangement of authors or titles covering, for instance, mass storage, tennis, soccer, chess, thermal insulation, robot engineering, etc.

86-849   77.05
<u>Infoterm Newsletters 40 and 41</u>. Orig. en. 1986
No.40 contains on 7 pages the following reports on meetings: 2nd Infoterm Summer School, Vienna, 2-5 Sept.1985; Artificial Intelligence Meeting, 24-27 Sept.1985; Nordisk Terminologiekursus 1985, Copenhagen, 5-16 Aug.1985; 1st Meeting of ISO/TC 37/SC3, Copenhagen, 11-13 Sept.1985; and the International Symposium on Machine Translation, Tokyo, 14 Oct.1985. It concludes with a list of two new books in terminology and a list of 33 hidden glossaries (see above, 86-848) in alphabetical order of the authors. No.41 is devoted to the memory of Prof. Helmut Felber who retired at the end of 1985 from his functions as Director of Infoterm. The homage, 3 pages, is by Suzanne Richer, Chairman of the Infoterm Advisory Board.

86-850   77.79
Galinski, C.: <u>The role of terminology - terminology and translation</u>. Orig. en. Terminologie et traduction, No 1, 1985. p.39-44, 3 refs.

86-851   77.957
(The teaching of terminology in Canada). Orig. en, fr.
TermNet News, No 9, 1985. 77-113
The following six contributions are devoted to the topic of
education and training in terminology: R.P.Roberts: The teach-
ing of terminology and documentation in Canadian universities
(p.77-82, 9 refs.). - R.Dubuc: Cours type d'initiation à la
terminologie (p.83-B8, 10 refs.) - S.Richer: Un cours typique
d'initiation à la documentation pour les étudiants des écoles
professionelles (p.88-92, 26 refs.) - M.Williams: Terminology
and quality of translation (p.93-99, 4 refs.) - J.-M.Côté, G.
Vitale: L'enseignement de la terminologie à l'Université du
Québec à Trois-Rivières: aspera ad virtutem est via.(p.100-102,
2 refs.) - R.Damiani: Expérience pratique d'enseignement de la
terminologie à l'Université de Montréal (p.103-113, 23 refs.)

86-852   77.99
Averbukh,K.Ya.: Terminology standardisation - some results and
prospects: 50 years of terminology standardisation activities.
Orig.ru. Nauch.-tekhn.inform.,Ser.1, No 3,1985. p.1-8, 29 refs.

86-853   77.99
Sullivan,C.D.: Birth of a terminology standard (Scientific and
technical terminology). Orig.en. In: Standardization of Techni-
cal Terminology: Principles and Practices. Philadelphia, Pa:
ASTM 1983. p.75-80

86-855   771
Felber, H.: Language and the professions. The role of special
language in communication. Orig.en. Terminologie et Traduction
No 2, 1985, p.63-79, 47 refs.

86-856   771
Geisler, W.: Der fachspezifische Text als Informationsquelle.
(The special language text as an information source) Orig.de.
Informatik Vol 32, No 2, 1985. p.31-32, 3 refs.

86-857   771
Gabracik, E.: Terminology as a basis for integration and pro-
gress of science. Orig.pl.
Nauka pol. Vol 32, No 3, 1984. p.65-74, 2 refs.

86-858   771
Oroszová, D.: On the problems of terminology internationaliza-
tion. Orig.sk.
Kultura slova (Bratislava) 18(1984)No 10, p.321-326

86-859   771
Schneider,T.: Terminology: teaming up homo faber and homo lin-
quisticus. Orig.en. Computers and the Humanities Vol 19, No 2,
1985, p.103-108, 11 refs.

86-860   771
Wolf, L.: Zur Diskussion über Terminologie und Semantik. (On
the discussion about terminology and semantics) Orig. de.
In: Übersetzer und Dolmetscher. München, DE 1984. p.50-61

86-861   772
Asanov, S.A.: An approach to identification of terminological
units. Orig.ru. In: Vopr.modelir.yasyka i mash.per. Samarkand,
SU 1984. p.54-59, 9 refs.

86-862   772
Tkacheva, L.B.: A productive pattern of term formation in Eng-
lish. Orig.ru. In: Nauch.lit.: yaz.,stil', zhanry. Moskva, SU
1985. p.329-354, 27 refs.

86-863   775
Borisova, N.D.; Gendlina, I.E., Kalinina, 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.ForumInform.Doc. Vol 11, No 2, 1986. p.13-16, 37 refs.
The 'Vocabulary of Terms on UDC Theory and Practice' prepared
by VINITI is an attempt to bring order into this special ter-
minology as an independent system of terms. It gives defini-
tions and may also be used for translation. The five identical
sections (ru, en, de, fr, and es) consist of 350 terms each
with definitions in the corresponding language. The arrange-
ment is systematical, according to conceptual fields, with a
hierarchical structure.

86-864   775
Rubashkin,V.Sh.: Logical models of terminology systems. Transl.
from ru. Autom.doc.& math.linguist. 18(1984)No 6, p.88-98

86-865   776
Akhmedzhanov, M.S.; Gel'fman, G.S., Korolev, E.I., Mal'tsev,
E.P.: Automated dictionary - terminological service in commun-
ication systems. Transl.from Russian. Automatic doc.& math.
linguistics Vol 18, No 6, 1984. p.114-129, 13 refs.

86-866   776
Thouin, B.: Les conditions d'efficacité des banques de termin-
ologie. (Effectiveness conditions of term banks) Orig. fr.
Lang.et homme, No 56, 1984. p.50-54

78 Subject-Oriented Terminology Work

86-867   78-2/4
Pörksen, U.: Deutsche Naturwissenschaftssprachen. Historische
und kritische Studien. (German special languages in the natural
sciences. Historical and critical studies) Orig. de.
Tübingen, DE: G.Narr 1986. 251p., refs.p.221-237, Forum f.
Fachsprachenforsch.,Vol.2, ISBN 3-87808-772-1 + 3-87808-499-4
The book is in three parts: 1. Survey - aspects of a history
of German natural sciences languages and their interaction
with ordinary language, 2. Single studies (on the first trans-
lation process, from Latin to German; on the scientific lan-
guage of Linné and Goethe; on Goethe's criticizm of natural
science metaphors and his novel Wahlverwandtschaften; on the
metaphors of Darwin and Freud; on the terminology of psychoan-
alysis; on the second translation process of popular prose and
natural science language). 3. Discussion of a democratization
paradoxon and the dubious merits of developing our language in-
to a more scientific and more specialized one. Several indexes.

86-868   78-513
Cross index of synonyms and trade names in Vols.1 to 36   (of
IARC Monographs on the evaluation of the carcinogenic risk of
chemicals to humans, Supplement No.5). Orig. en.
Genève, CH: Org.Mondiale de la Santé (WHO) 1985. 259p.

86-869   78-62
The Semiotics Project (SEM). Orig. en. Vienna Centre.; Report
of Activity 1984-85. Newsletter, Special Issue, No 25 & 26,
1985. p.18-19
The project is concerned with the vocabulary used in interna-
tional relations, i.e. the Conference on Security and Coopera-
tion in Europe, the Final Act of Helsinki (1975). Some 50 con-
cepts related to peace and security in Europe will be the ob-
ject of a thesaurus in six languages (de, en, es, fr, it, and
ru). The study will be carried out on the basis of multi-dis-
ciplinary national groups, and conducted by the Vienna Centre.

86-870   78-66
Davis, D.: Problems of language in legal text. Orig. en.
10e Congr.int.cybern.Namur. Namur, BE 1984. p.516-525, 7 refs.

86-871   78-83
Vlasak, R.; Matousová, M., Vondra, J.: The terminology of on-
line retrieval of scientific, technical and economic informa-
tion. Orig. cs. Ceskoslovenská Inform. No 12, 1984. p.349-350,
2 refs.

8 APPLIED CLASSING AND
INDEXING (C & I)

81 General Problems of Applied C & I

86-872   812
The classified catalogue in the system of library catalogues.
Orig.ru. Moskva, SU: Gos.Biblioteka SSSR im.V.I.Lenina 1984.
151p., 6 refs.

86-873   812
Mieziniene, A.: Classified catalogues: theory and practice.
Orig. li. Biblioteku darbas 1984, No.12, p.18-19

86-874   812
Ronai, T.: Subject catalogues at county libraries. Orig. hu.
Könyvtari Figyelő Vol 31, No 2 1985. p.160-168, 7 refs.
The state of subject catalogues at 16 county libraries has
been surveyed, covering general users' catalogues as well as
the retrieving facilities for local history and sound materi-
als. It was found that subject retrieving systems vary both in
their ways to be compiled and in their outputs. There are ca-
talogues based on the UDC and applying no structure within
main groups, other ones following strictly the hierarchy
of the UDC, and ones with a mixed structure. Subject catalo-
gues are generally applied for local histoy. The indexing
depth of the catalogues is poor.   Orig.abstr.,abbr.

86-875   812
Cvetkova,I.B.: 'Classification' as a principal category of the
theory of subject catalogues. Orig. ru.
Sov.Bibl.-bibliogr.klassif., No 5, 1985. p.113-130, 18 refs.

86-876   813
Boll, J.J.: Professional literature on cataloging - then and
now. Orig.en. Libr.Resources & Techn.Services Vol 29, No 3,
1985. p.226-238, 79 refs.

86-877   814
Gödert, W.: Book review of Neue Regelwerke zum Schlagwortkata-
log: eine Einführung in RSWK und PRECIS. (New rules for the
subject catalogue: an introduction into RSWK and PRECIS. Lec-
tures. Köln: Greven 1985. 175p.) Orig.en. Int.Classif. Vol 13,
No 1, 1986. p.38-39

86-878   814
Prohl,J.: Kritische Bemerkungen zu den "Regeln für den Schlag-
wortkatalog (RSWK) des Deutschen Bibliotheksinstituts (OBI).
(Critical remarks on the "Rules for the Subject Catalogue" of
the German Library Institute) Orig. de.
Mtt.bl.Verb.Bibl.Land NRW Vol 36, No 2, 1986. p.111-129
Some critical comments on some of the rules based on experien-
ces from indexing books in the field of German language and
philosophy.

86-879   814
Uniform practice of classification rules is necessary.
Orig.no. Bok.Bibl. Vol 51, No 1 1984. p.28

86-880   818
Al'tshuller, V.A.; Baklanova,E.I.: The place of the user clas-
sified catalogue in the system of catalogues of the Lenin
State Library and its compilation principles. Orig.ru.
In: Sist.katalog v sisteme katalogov biblioteki. Moskva, SU
1984. p.77-88, 14 refs.

86-881   818
Nikolaeva, T.V.: Quality control of the Central Classified Ca-
talogue of the USSR Academy of Sciences Library. Orig. ru.
In: Sist.katalog v sisteme katalogov biblioteki. Moskva, SU
1984. p.33-45, 19 refs.

86-882   818
Uhlan, M. (Ed.): Guide to special issues and indexes of perio-
dicals: 3rd ed. Orig.en. New York, NY: Special Libraries Assoc.
1985. 160p., ISBN 0-87111-263-9
The Guide lists, in alphabetical order, 1362 US and Canadian
periodicals which publish Special Issues (directories, buyers'
guides, convention issues, statistical outlooks or reviews,
and other features or supplementary issues appearing on a con-
tinual, annual or other basis. It also indicates whether perio-
dicals provide an Editorial Index and an Advertiser Index.

82 Data C & I

86-883   820
Dolby,J.L.: A theory of data: implications for information re-
trieval. Orig.en. In: Int.Conf.Data Eng. Silver Spring, MD
1984. p.111-117, 7 refs.

86-884   820; 872
Frost, C.O.: Book review of Lamy-Rousseau, F.: Classification
des images, matériels et données/Classification of images, ma-
terials and data. Québec: M.F.Rousseau 1984. VII,520p.
Orig.en. Libr.Quarterly Vol 56, No 1, 1986, p.90-91

86-885   82-36
Artowicz,E.: The use of a predicate language in a factographic
IR system on geology. Orig. pl.
Zag.inform.nauk., No 1, 1984. p.115-146, 10 refs.

86-886   82-397
Moore, D.: The indexing of Welsh place names. Orig. en.
Indexer Vol 15, No 1, 1986. p.3-8, 12 refs.

83 Title C & I

86-887   831
Fu Lan-sheng: A preliminary research on the principle of se-
lection of title heading of subject indexes and subject catal-
ogues. Orig.ch. Zhong Guo Keji Qing Bao Xue Hui Kan, Vol I,
No 1, 1981. p.36-43
Title headings have a direct bearing on the depth of indexing,
the function of retrieval and the amount of complication work
of subject indexes and subject catalogues. A preliminary anal-
ytical study of the principles of selection of title headings
under various conditions is made in this paper.   Lei Zeng

84 C & I of Primary Literature (Except 85)

86-888   841
Harris, G.: Cataloguing of theses: a survey. Orig. en.
Catalog.& Classif.Quarterly Vol 5, No 4, 1985. p.1-16, 5 refs.
It was found that libraries overwhelmingly follow AACR2 rules
for cataloguing theses as manuscripts. Other theses character-
istics - thesis note, bibliography not, use of LC subject head-
ings, typescript note, vita note, classification scheme and
access point for thesis as a thesis - show a declining adher-
ence to or total absence of AACR2 rules.

86-889   844
Foster, P.: Monthly Index to the Financial Times: how good is
it?. Orig.en. Business Inform.Review Vol 1, No 2, 1984. p.3-7
The Financial Times newspaper is probably the most important

business information resource used in the U.K. The article
evaluates in detail the Monthly Index to the Financial Times.
Scope, arrangment, indexing methods, timeliness and price are
discussed.   Orig.abstr., abbr.

86-890   844
Koch, J.E.: Newspaper indexing: Planning and options. Orig.en.
Special Libraries Vol 76, No 4, 1985. p.271-281, 52 refs.

86-891   847; 06
Brosius, D.: Rationalisierung bei Erschließung und Benutzung.
(Rationalization in subject analysis and utilization. Report
on the 2nd Joint Workshop of the 57th German Archives Day with
abstracts of the papers) Orig.de. Archivar 39(1986)No I,
sp.33-35

86-892   847
Kappelhoff, B.: Die Nutzung der Datenverarbeitung in den nie-
dersächsischen Staatsarchiven, insbesondere für die Verzeich-
nung und Erschließung moderner Archivalien. (Effectiveness of
computer processing in the state archives of Niedersachsen,
especially for the listing and the subject analysis of modern
archival materials) Orig.de. Archivar Vol 39, No 1, 1986.
sp.35-38, 4 refs.

86-893   847
Reinhold, D.: Thesaurus-Probleme bei Erschließungsarbeit und
Registerfertigung im Parlamentsarchiv. (Thesaurus problems in
subject analysis and indexing of the parliament archives) Orig.
de. Archivar Vol 39, No 1, 1986. sp.38-39, 3 refs.

86-894   847
Vishniakova, S.M.: Characteristics of indexing archival docu-
ments. Orig.ru. Nauchn.-tekhn.inform.Ser.1, No 7, 1983. p.27-9

86-895   847
Whalen, L.(Ed.): Reference service in archives. Orig. en.
New York-London: Haworth Press 1986. 210p., ISBN 0-86656-521-1
17 contributions relating the experiences and ways of handling
in archives of different establishment, such as the Schlesin-
ger Library, a British University, a technical university, in a
museum, at the Toronto Board of Education, in a business ar-
chives, a bank's archives, in a labor and urban archives, in
Catholic diocesan archives, in the F.D.Roosevelt Library, in
regional history centers, etc.

      See also 86-839

86-896   849
Holzberlein, D.: Computer software cataloging: techniques and
examples. Orig.en. Catalog.& Classif.Quarterly 6(1985/6)No 2.
Also as a monograph: New York-London: Haworth Press 1986. 83p.
The book comprises the following chapters: Introduction. -
Educational software - elementary and secondary level - Col-
lege level - Educational game software - Business-oriented
software - Simplification methods for MRDF cataloguing -
The future - Selected sources, Index.

85 Book Indexing

      See also 86-745

86-897   857
Hardy, P.: Computer-aided indexing of technical manuals.
Orig.en. Indexer Vol 15, No 1, 1986. p.22-24
The use of a microcomputer to index technical documentation.
Notes on three packages used by the author stating the limita-
tions of each package and the approximate cost. Conclusion:
Indexing packages on microcomputers are of use mainly to those
who index their own work or who are sent work in a computer-
readable format. The main advantage is the ability to reindex
rapidly where documentation is prone to frequent revisions.
                                                       Author

86-898   857
Jones, K.P.: Getting started in computerized indexing.
Orig. en. Indexer Vol 15, No 1, 1986. p.9-13, 19 refs.
Automation in indexing is concerned with mechanizing clerical
routines and attempting to reproduce complex, intellectual
operations. Automation has been applied relatively successful-
ly to the routines of filing, sorting and printing. The auto-
matic extraction of appropriate indexing entries for informa-
tion retrieval systems is more problematical since th human
indexing process is poorly understood. Expert Systems which
are designed to cope with uncertain areas of human knowledge
may be able to make clear this process.   Author

86 C & I of Secondary Literature

86-899   867
Fill, K.: Zum Erscheinen des Registers der Internationalen
Mittleren Ausgabe der Dezimalklassifikation in deutscher Spra-

che. (On the publication of the index to the International Medium Edition of the UDC in the German language) Orig. de. DK-Mitt. Vol 30, No 1, 1986. p.I-2

86-900   867
Sandgrind, G.: Subject index to Norwegian edition of Dewey. Orig.da. Bok.Bibl. Vol 51, No 2, 1984. p.82-85

87 C & I of Non-Book Materials

86-901   872
Shatford,S.: Analyzing the subject of a picture: a theoretical approach. Orig.en. Catalog.& Classif.Quarterly Vol 6, No 3, 1986. p.39-62, 39 refs.
A theoretical basis for the identification and classification of the kinds of subjects a picture may have is suggested, using previously developed principles of cataloging and classification, and concepts taken from the philosophy of art, from meaning in' language and from visual perception. The purpose of developing this theoretical basis is to provide the reader with a means for evaluating, adapting, and applying presently existing indexing languages, or for devising new languages for pictorial materials.   Author, abbr.

86-902   872
Lee,E.T.: Similarity retrieval for pictorial databases. Orig. en. In: Management & Office Inform.Syst. New York - London 1984. p.253-287, 35 refs.
In order to use computers in the analysis of pictorial information, they must be provided with a method of classifying images. Discussion of the feasibility of solving the problem of formal description of pictures using probabilistic and fuzzy languages. Shape-oriented similarity measures can be used in the classification of pattern primitives. The article elaborates on the possibilities, using this method.

86-903   876
Fulton, P.A.: Automated map indexing. Orig. en.
Geosci.Inform.Soc.Proceedings Vol.13, 1984. p.97-106, 3 refs.
Desxription of the automatic system called Geoindex, designed to generate Geologic Map Indexes for the US Geological Survey.

9 CLASSIFICATION ENVIRONMENT

91   ORGANIZATION PROBLEMS IN GENERAL

86-905   91
Stognij, A.A.; Glazunov, N.M.: Knowledge integration in database systems. Orig. ru. In: Metody i sredstva informat. Kiev, SU 1984. p.27-37

93 Organisation on a Natl. & Internatl. Level

86-906   934
Jouguelet,S.: L'indexation-matière en France: les outils - les projets. (Subject indexing in France: the tools - the projects) Orig.fr. Int.Catalog. 14(1985)No 3, p.34-36, 7 refs.
Describes the work of the French Standard Association (AFNOR) - the revision in 1957 NF of Standard Z44-070 "The Alphabetic Subject Catalogue" (now called Alphabetic Subject Cataloguing) giving general rules for choice and layout of subject headings and the setting out of rules for the structure and the use of authority files. This led to Standard NF Z47-200 "Subject Authority List. Structure and Rules for Use". Explanation of the different applications of the 2 standards and citing of other commercial indexing systems.

86-907   934
Isaeva, T.V.: The role of governmental libraries of the united republic introducing BBK in the centralised library system. Orig.ru. Sovetskoe Bibliotekoved., No 4, 1985. p.83-94, 4 refs.
The Lenin State Library provides support from its research department to translate the BBK/LBC into the national languages of the Republics. In each republic a commission exists for the introduction of the classification system. These commissions collaborate in order to ensure standardization of practice in applying the BBK throughout the USSR.

86-908   934
Kristainij, B.V.; Lobova, L.V., Kijkov, L.V.: The status and perspectives of the use of subject headings of the State Scientific and Technical Information System. Orig. ru. Nauch.-tekhn.inform.,Ser.1, No 9, 1985. p.8-10

86-909   935
Zeng, L.: An introduction to thesauri and classification systems in the People's Republic of China. Orig. en.

Int.Classif. Vol 13, No 1, 1986. p.24-28, 4 refs.
A review of thesauri and classification systems currently in use in the People's Republic of China (PRC). Discusses the origin, purposes and characteristics of the Chinese Thesaurus, with emphasis on its structure, vocabulary and relationship system; gives a brief description of other specialized thesauri, and explains the principles and structure of three classification systems: that of the People's University of China, one used by the Chinese Academy of Sciences, and the Chinese Library Classification which is becoming the national standard classification of the PRC.   H.H.W.

86-910   937
Holley, R.P.: Subject cataloguing in the USA. Orig. en.
Int.Cataloguing Vol 14, No 4, 1985. p.43-45, 1 ref.
Discussion of the widespread use of the Library of Congress Subject Headings by libraries in the USA and comments on some of the disadvantages of using them.

96   LEGAL QUESTIONS

86-911   96
Sandison, A.: Data protection and the indexer.
Orig.en. Indexer Vol 15, No 1, 1986. p.24-25, 6 refs.
Concentration on those provisions (of a British Act) expecially relevant to freelance workers, to small business and to those who index for fun.

98 User Studies

86-912   986; 751
Broadbent, E.: A study of humanities faculty library information seeking behavior. Orig.en. Catalog.& Classif.Quarterly Vol 6, No 3, 1986. p.23-37, 3 app., 16 refs.
The purpose of this study was to obtain information which would help planners of the online catalog design a catalog which would be relevant to the needs of university faculty. Data was obtained by means of a questinnaire mailed to the faculty, College of Humanities, University of Utah. It was found that the three most utilized information sources were: (1) references in books or articles they read, (2) the Subject Catalog, and (3) printed indexes, bibliographies and research guides. Browsing was an important fourth source. The faculty would like more in-depth coverage of the local library collection rather than access to other library catalogs or online databases from the catalog terminal. Feedback and comments in response to an open-ended question varied.

99 Standardization

See also 86-754, 86-906

86-913   995
Krista l'nyj, B.V.; Karapetyan, R.R., Antopol'skij, A.B. et al.: The standard for the GASNTI Subject Authority - basis for an application and development of a countrywide system of subject authorities. Orig.ru. Nauchn.-tekhn.inform.Ser.1, No 3, 1985. p.24-26

Discusses the provisions of the USSR State Standard GOST 7.49-84 "GASNTI Subject Authority: structure, rules of use and maintenance" which regulates the use of the Subject Authority. The standard is to ensure the application of the GASNTI Subject Authority in STI centres of all levels, as well as its use as a common information language, through the GASNTI, thereby facilitating its network mode of operation. Touches upon the matter of compatibility of different local subject authorities, which are to constitute the Soviet Union's common subject authority system.   Orig.abstr.

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