

0 FORM DIVISIONS

01	Bibliographies	111
02	Literature Reviews	-
03	Dictionaries, Terminologies	111
04	Classification Systems & Thesauri (CS & T)	111
05	Periodicals and Serials	111
06	Conference Reports, Proceedings	112
07	Textbooks (whole field)*	112
08	Other Monographs (whole field)*	113
09	Standards, Guidelines	113

1 THEORETICAL FOUNDATIONS

11	Order and Classification	113
12	Conceptology in Classification	113
13	Mathematics in Classification	113
14	Systems Theory in Classification	113
15	Psychology and Classification	114
16	Development of Science and Classif.	114
17	Problems in Classification	114
18	Classification Research	-
19	History of Classification	114

2 STRUCTURE AND CONSTRUCTION OF CS & T**

21	General questions of CS & T	114
22	Elements of CS & T	115
23	Construction of CS & T	115
24	Relationships	115
25	Numerical Taxonomy	115
26	Notation, Codes	-
27	Revision, Updating, Storage & Maintenance	116
28	Compatibility and Concordance between CS & T	116
29	Evaluation of CS & T	116

3 CLASSING AND INDEXING (METHODOLOGY)

31	Theory of Classing and Indexing	116
32	Subject Analysis	117
33	Classing and Indexing Techniques	117
34	Automatic Classing and Indexing	117
35	Manual and Automatic Ordering	117
36	Coding	-
37	Reclassification	-
38	Index Generation and Programs	117
39	Evaluation of Classing and Indexing	117

4 ON UNIVERSAL SYSTEMS

41	On Universal CS & T in General	-
42	On the Universal Decimal Classification (UDC)	117
43	On the Dewey Decimal Classification (DDC)	118
44	On the Libr. of Congr. Classif. (LCC) & LCSH	118
45	On the Bliss Classification (BBC)	-
46	On the Colon Classification (RCC)	118
47	On the Library Bibliographical Classif. (LBC/BBK)	-
48	On Other Universal Systems	118
49	free	-

* Monographs on special topics at special subdivisions

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

Language abbreviations:

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

5 ON SPECIAL OBJECTS CS (TAXONOMIES)***

51	On Taxonomies in the Form and Structure Area 1	-
52	On Taxonomies in the Energy and Matter Area 2	-
53	On Taxonomies in the Cosmos and Earth Area 3	-
54	On Taxonomies in the Bio Area 4	-
55	On Taxonomies in the Human Area 5	-
56	On Taxonomies in the Socio Area 6	-
57	On Taxonomies in the Econ. & Production Area 7	-
58	On Taxonomies in the Science & Inform. Area 8	-
59	On Taxonomies in the Humanities Area 9	-

6 ON SPECIAL SUBJECTS CS & T

61	On CS & T in the Form and Structure Area 1	119
62	On CS & T in the Energy and Matter Area 2	119
63	On CS & T in the Cosmos and Earth Area 3	119
64	On CS & T in the Bio Area 4	119
65	On CS & T in the Human Area 5	-
66	On CS & T in the Socio Area 6	119
67	On CS & T in the Econ. & Production Area 7	119
68	On CS & T in the Science & Inform. Area 8	119
69	On CS & T in the Humanities Area 9	119

7 CLASSIFICATION AND LANGUAGE

71	General Problems of Natural Language	120
72	Semantics	120
73	Automatic Language Processing	120
74	Grammar Problems	120
75	Question-Answering Systems, Online Techniques	121
76	Lexicon/Dictionary Problems	122
77	General Problems of Terminology	122
78	Subject-Oriented Terminology Work	124
79	Problems of Multilingual Systems	124

8 APPLIED CLASSING AND INDEXING (C & I)

81	General Problems of Applied C&I	-
82	Data C&I	-
83	Title C&I	-
84	C&I of Primary Literature (Except 85)	-
85	Book Indexing	-
86	C&I of Secondary Literature	-
87	C&I of Non-Book Materials	-
88	C&I in Subject Fields	-
89	free	-

9 CLASSIFICATION ENVIRONMENT

91	Organization Problems in general	-
92	Persons and Institutions in Classif. & Indexing	-
93	Organisation on a National & Internatl. Level	-
94	free	-
95	Education and Training in Classif. & Indexing	-
96	free	-
97	Economic Aspects in Classif. & Indexing	-
98	User Studies	-
99	Standardization in Classif. & Indexing	-

Personal Author Index

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. I.

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

For reasons of space, it was not possible to include the collected bibliographic items of classes 8 and 9. This literature will be included in the next issue, IC 87-3.

0 FORM DIVISIONS

01 Bibliographies

87-476 011
Satija, M.P.: March of Classification Literature. Book review of International Classification and Indexing Bibliography. Vols. I and II. Frankfurt: INDEKS Verl. 1982/84. Orig. en. Herald Libr. Sci. Vol 25, No 1-2, 1986. p.86-89, 8 refs.

87-477 012
Wellisch, H.H.: Indexing and abstracting: A current-awareness bibliography. Pt.3. Indexer Vol 15, No 3, 1987. p.159-162

03 Dictionaries, Terminologies

87-478 037
Wittmann, A. (Comp.); Klos, J. (Comp.): Wörterbuch Patentfachsprache. Anhang: Fachbegriffe, Patentzeichnungen, Textverarbeitung. (Dictionary for special patent terminology. Appendix: Concepts, patent graphs, text processing, 5th rev. and enlarged ed.) Orig. de, en. München, FRG: Wila Verl. 1986, 520p., ISBN 3-87910-150-7

87-479 038-828
Eri, I. (Comp.); ICOM. Internationaler Museumsrat: Dictionarium Museologicum. Orig. en, fr, es, ru, de, bg, cs, da, fi, hu, it, nl, no, pl, pt, ro, sh, sk, se, eo.. Budapest: National Centre of Museums 1987, 774p.

87-480 038-89
Sebeok, Th.A. (Ed.): Encyclopedic dictionary of semiotics, 3 vols. Orig. en. Berlin, New York: De Gruyter 1986. 1665p., ISBN 3-11-010559-4

04 Classification Systems & Thesauri

042 UDC

See also

87-481 042.1-hu
Magyar Szabványügyi Hivatal: Egyetemes Tizedes Osztályozás: Teljes kiadás. (Hungarian Full UDC Edition, Classes 675 and 676) Orig. hu. Budapest, VIII, HU: Szabványboltban, 01101 út 24 1986/87, 21+25 p., FID 390

87-482 042.1-pl
Instytut Informacji Naukowej, Technicznej i Ekonomicznej (IIN-TE): Uniwersalna Klasyfikacja Dziesiętna: II wydanie pełne w języku polskim. Classes 56/57 Paleontologia. Nauki biologiczne. (2nd Polish full UDC edition, Classes 56/57. Palaeontology, Biological sciences) Orig. pl. Warszawa, PL: IINTE, Zurawia 3/5 1985, 206p., FID Publ. 607

045 BLISS BIBLIOGRAPHIC CLASSIFICATION

87-483 045.6-71/2
Mills, J., Broughton, V., Lang, V.: Bliss Bibliographic Classification. 2nd ed. Class T: Economics. Management of Economic Enterprises. Orig. en. London, GB: Butterworths 1987. 98+250p., ISBN 0-408-70834-4

The introduction (98p.) comprises the description of the scope of Class T and its place in BC2; its structure, the facet structure, the arrays within facets, the citation order between facets as well as within facets (between arrays), the order in array and alternative arrangements in economics. Problems of notation are treated as well as the alphabetical subject index and special problems in economics. Classification examples are given. The contents of the schedules (191p.) can be accessed by a comprehensive index of 60 pages.

048 SPECIAL CLASSIFICATION SYSTEMS AND THESAURI

87-484 048-386
Kurovskaya, L.S. et al. (Comps.): An information retrieval thesaurus of rubber trademarks. 2nd rev. ed. Orig. ru. Moskva, SU: VINITI 1985. 66p.

87-485 048-47
Forestry subject authority. Orig. ru. Moskva, SU: Tsentral'noe Byuro Nauchno-tekhn. Inform. 1986. 87p.

87-486 048-567
Liebl, P., Dreller, J., Deutscher Volkshochschulverband (DVV), Pädagogische Arbeitsstelle (PAS): Thesaurus Erwachsenenbil-

dung/Weiterbildung. (Thesaurus for adult education/further education) Orig. de. Frankfurt, DE: Pädagogische Arbeitsstelle 1986. 191p.

87-487 048-58
Centre de Documentation pour le Sport: Sport Thesaurus, ed. 1987. Orig. fr. Ottawa, Ont., Canada: Centre de Documentation pour le Sport 1987. 250p.

87-488 048-652
Janik, S., Brunet, L., Lecompte, L.-L., Office des Personnes Handicapées du Québec: Thésaurus: Personne handicapée. Thesaurus à schémas fléchés de descripteurs pour l'analyse et la recherche des documents et du matériel avec leurs équivalents en langue anglaise. Orig. fr, en. Québec, Canada: Les Publications du Québec 1986. 429p., ISBN 2-551-09137-3

87-489 048-657
Viet, J. (Comp.): Macrothesaurus pour le traitement de l'information relative au développement économique et social, 3 ed. (Macrothesaurus for information processing in the field of economic and social development, 3rd ed.) Orig. fr. New York, NY: U.N. Dept. of Int. Economic and Social Affairs 1985. 359p., ISBN 92-1-200073-8

87-490 048-657
Viet, J. (Comp.): Macrothesaurus para el procesamiento de la información relative al desarrollo económico y social, 3 ed. (Macrothesaurus for information processing in the field of economic and social development, 3rd ed.) Orig. es. New York, NY 1985. 362p., ISBN 92-1-300101-0

87-491 048-67
Koenigter, B.B. (ed.), Inform. zentr. Raum u. Bau der Fraunhofer-Ges. (IRB): FINDEX Raum. Facettenartiges Indexierungssystem für Raumordnung, Städtebau, Wohnungswesen. Eine systematische Begriffssammlung zum Ordnen und Suchen von Informationen. Systematischer und alphabetischer Teil. Orig. de. Stuttgart, DE: IRB-Verl. 1985. 154p., ISBN 3-8167-0413-1

87-492 048-71/2
Sandeau, G., Bureau Marcel van Dijk: Thésaurus du management et de l'économie, 2 vols. (Thesaurus for management and economics) Orig. fr. Paris, FR: Bureau Marcel van Dijk 1986. 138 p., ISBN 2-9500203-2-1

87-493 048-74
Fachinformationszentrum Technik. Dokumentation Maschinenbau (DOMA): Thesaurus Maschinenbau 1986. 6. Überarb. Aufl. Verzeichnis von inhaltskennzeichnenden Begriffen zum Verschlüsseln und Wiederauffinden der maschinenbaulichen Fachliteratur. (Thesaurus mechanical engineering 1986) Orig. de. Frankfurt, DE 1986. 598p.

87-494 048-75
Coprian, W. (Ed.), Kaiser, K. (Ed.), Informationszentrum Raum und Bau der Fraunhofer-Gesellschaft: FINDEX Bau. 2. Aufl. Facettenartiges Indexierungssystem für das Bauwesen. Eine systematische Begriffssammlung zum Ordnen und Suchen von Bauinformationen. Systematischer und alphabetischer Teil. Orig. de. Stuttgart, DE: IRB-Verl. 1985. 446p., ISBN 3-8167-0414-X

87-495 048-75
Giertz, L.M. (Comp.), Hughes, N.J. (Comps.): ABC Klassifikation für das Bauwesen, für Architekten, Bauunternehmer, Bauingenieure. Auswahl aus der Universalen Dezimal-Klassifikation, bearb. v. E. Lüth. (ABC Classification for Building; for architects, builders, civil engineers. Selection from the UDC, compiled by M. Giertz and N.J. Hughes, translated into German by E. Lüth) Orig. de. Dublin 4, Ireland: Natl. Inst. f. Physical Planning and Construction Res. 1987. 132p. FID Publ. 642. ISBN 1-85053-065-3

87-495a 048-9185
Michel, H.: Essai de mise en place d'un vocabulaire contrôlé d'une partie du fonds du Commissariat général de la langue française. Thème: français, francophonie. (Establishment of a controlled vocabulary for a part of the holdings of the General Commissariat of the French Language) Orig. fr. Paris, FR: Institut National des Techniques de la Documentation 1986. 222p.

05 Periodicals and Serials

87-496 056.121
Coltheart, M., Davies, M., Guttenplan, S., Harris, M., Smith, N., Wilson, D.: Mind and Language. Orig. en. Vol 1, No 1, Oxford, GB: Basil Blackwell 1986

The journal is meant to serve as an interdisciplinary forum for philosophers, psychologists, linguists and workers in artificial intelligence who are all separately engaged in investigating and discussing phenomena of language and mind, but in ignorance of the methods and results of the other disciplines. Issue 1 contains 1) A Forum: Philosophy and Psychology (with contributions by P.M. Churchland, H.H. Clark, D. Den-

nett, D.W.Hamlyn, P.Kitcher, C.McGinn, E.R.Valentine) and 3 articles and a "multiple review" of R.C.Berwick, A.S.Weinberg: The grammatical basis of linguistic performance. Language use and acquisition. Cambridge, MA: MIT Press 1984. 343p. (by C.J.Howe and P.W.Culicover). The journal closes with some announcements of event. The articles:
 87-497 Wright, C.: How can the theory of meaning be a philosophical project? - 87-498 Clark, A.: A biological metaphor. - 87-499 Sainsbury, R.M.: Evidence for meaning.

87-500 056.252
 Fallside, F., Levinson, St. (Eds.): Computer, Speech & Language. Orig. en. London, GB: Academic Press 1987. Vol.1(1987)No.1, 4/ann.
 This interdisciplinary journal is meant to serve the speech research community. The first issue contains the following articles: 87-501 Prager, R.W., Harrison, T.D., Fallside, F.: Boltzmann machines for speech recognition. - 87-502 Levinson, S.E.: Continuously variable duration hidden Markov models for automatic speech recognition. - 87-503 Larar, J.N.: Lexical access using broad acoustic-phonetic classifications. - 87-504 Roberts, L.A., Wilpon, J.G., Egan, D.E., Bakk, J.: Improving speaker consistency in an automatic speech recognition framework.

06 Conference Reports, Proceedings

87-505 06.84
 Herzfeld, M., Melazzo, L. (Eds.): Proceedings of the Third International Congress of the International Association for Semiotic Studies -. Association Internatui'bake de Sémiotique, Palermo 1984. 2 vols. Orig. en, fr. Berlin - New York: Mouton, De Gruyter 1987. approx. 1200 p., ISBN 3-11-009933-0

87-506 06.85-03-5/7
 Endres-Niggemeyer, B., Krause, J.: Sprachverarbeitung in Information und Dokumentation: Jahrestagung der Gesellschaft für Linguistische Datenverarbeitung (GLDV), Hannover, 5.-7.3.1985: Proceedings. (Language Processing in Information and Documentation) Orig. de, en. Berlin, etc.: Springer 1985. 243p.
 The papers are in German. A selected number of them are listed here in English: 87-506a Kühlen, R.: A pragmatic approach to data processing and knowledge representation in natural language information systems. - 87-506b Thiel, M.: A conceptual basis for natural language systems. - 87-506c Jarke, M., Krause, J.: Designing an interface for a natural-language question-answering system. - 87-506d Morik, K.: Partner modelling in consultation dialogue. - 87-506e Lehmann, H.: A legal expert system based on linguistics and logic. - 87-506f Müller, B.S., Primito, F.di: Interrogative knowledge representation as the basis for rule-based expert systems. - 87-506g Rothkegel, A.: Text linguistic components in information extraction. - 87-506h Hahn, U., Reimer, U.: Design principles and architecture of the TOPIC text compression system. - 87-506i Knorz, G.: Knowledge validity and completeness in intelligent information systems. - 87-506j Schwarz, Ch.: Text searching by word combinations. - 87-506k Rostek, L., Fischer, D.: A concept of the-saurus-based information retrieval at the workplace.

87-507 06.85-04-14/17
 Goetschalckx, J.: Rapport de synthèse. Deuxième Symposium d'Infoterm, Vienne, 14-17 avril 1985. (Synthesis on the 2nd Infoterm Symposium, 14-17 April 1985, Vienna) Orig. fr. Term-Net News, No.15, 1986. p.3-4

87-508 06.85-05-20/24
 Bezhanishvili, M.N., Gerasimova, I.A.: Intensional logics and the logical structure of theories: The 4th Soviet-Finnish colloquium, Telavi, 20-24 May, 1985. Orig. ru. Vopr.filos., No 6, 1986. p.154-157

87-509 06.85-06-24/28
 IEEE International Symposium on Information Theory (ISIT), Brighton, June 24-28, 1985. Orig. en. New York, NY: IEEE 1985. 183p.

87-510 06.85-06-28/29
 IEEE Workshop on Languages for Automation: Cognitive Aspects in Information Processing, Palma de Mallorca, June 28-29, 1985. Orig.en. Silver Spring, MD: IEEE Comput.Soc.Press 1985. X, 289p.

87-511 06.86-07-7/10
 Conference on Arab Co-operation in Terminology. Orig. en. UNISIST Newsletter Vol 14, No 4, 1986. p.65
 The conference was held in Tunis from 7 to 10 July 1986 with some 150 representatives participating.

87-512 06.87-01-30
 Oberhauser, O.: Sacherschließungsprobleme im EDV-Kontext. Zu einer Fortbildungsveranstaltung der Speziellen Interessengruppe Bibliotheksklassifikation der Gesellschaft für Klassifikation in Regensburg. (Subject cataloguing in the computerization context) Orig.de.

Mitt.Vereinig.Österr.Bibliothekare 40(1987)No 1/2, p.51-59
 Digest of the meeting and its speakers and papers. It took place on Jan.30, 1987 at the University Library of Regensburg.

87-513 06.87-03-24/26
 Recent developments in clustering and data analysis. Développements récents en classification automatique et analyse des données. Proceedings of the Japanese-French Seminar, 24-26 March 1987. Orig.en,fr. Tokyo: Institute of Statistical Mathematics 1987. 377p.

The volume contains 35 papers organized in the following four sessions. A: Data analysis techniques and related topics with statistical software (Nos.-514-523), B: Automatic classification and related techniques (Nos.-524-531), C: Scaling method and correspondence analysis from the viewpoint of practical approach (Nos.-532-539), D: Applications: Extraction and interpretation of information in multidimensional data (Nos.-540-548).

87-514 Hayashi, Ch.: New developments in multidimensional data analysis. - 87-515 Jambu, M.: Interpretation of some data analysis methods. - 87-516 Schekhtman, Y.-M.: A general Euclidean method for measuring and describing associations between several sets of variables. - 87-517 Goto, M., Tasaki, T.: Data-adaptive methods of multivariate analysis. - 87-518 Morineau, A.: Specific dedigh of a software for multivariate descriptive statistical analysis: The case of SPAD N. - 87-519 Wakimoto, K.: A test of goodness of fit based on graphical method. - 87-520 Baba, Y.: Graphical analysis of ranks. - 87-521 Otsu, N., Kurita, T., Asoh, H.: A unified study of multivariate data analysis methods by nonlinear formulations and underlying probabilistic structures. - 87-522 Sai, Sh., Taguri, M.: Optimum classification boundaries based on a concomitant variable in sample survey: some application to the current statistics of commerce. - 87-523 Tango, T.: On the identification problem of age-period-cohort analysis. - 87-524 Oiday, E.: Some recent advances in clustering. - 87-525 Ohashi, Y.: Simultaneous clustering of cases and variables. - 87-526 Roux, M.: Techniques of approximation for building two tree structures. - 87-527 Imaizumi, T.: A hierarchical clustering method for dissimilarity matrices with individual differences. - 87-528 Sakai, S.: Applications of multivariate and cladistic data analysis for the classification of dermapterous insects. - 87-529 Lerman, I.C.: Comparing relational variables according to likelihood of the links classification method. - 87-530 Ohsumi, M.: Role of computer graphics in interpretation of clustering results. - 87-531 Suzuki, Sh.: Classification of fruit and vegetable varieties by chemical analysis of fragrance substances. - 87-532 Excouffier, Y.: Assessing the number of axes that should be considered in correspondence analysis. - 87-533 Yoshizawa, T.: Singular value decomposition of multiarray data and its applications. - 87-534 Yanai, H.: Partial correspondence analysis and its properties. - 87-535 Iwatsubo, Sh.: Correlation analysis of n-way qualitative data and its applications. - 87-536 Tanaka, Y., Tomoyuki, T.: Outliers and influential observations in quantification theory. - 87-537 Haga, T.: Conversational data analysis system: selection of items and pooling of categories. - 87-538 Escouffier, B.: Analysis and comparison of different tables. - 87-539 Ueda, Sh.: Use of tabulated data in data analysis. - 87-540 Lebart, L.: Multivariate descriptive techniques applied to the processing of longitudinal sample survey data. - 87-541 Sugiyama, M.: Multidimensional analysis of opinion survey data. - 87-542 Kishida, K., Sugawara, Y., Ito, T.: Data-analytic approaches to human behavioral relationships in a survey of accidents. - 87-543 Der Megreiditchian, G.: On numerical and statistical stability of forecasting models. - 87-544 Komazawa, T.: The methods of pattern classification and its application to prognosis of disease. - 87-545 Nakache, J.P., Gueguen, A.: A non-parametric discriminant analysis based on the construction of a binary decision tree. - 87-546 Miyake, A.: Experimental comparison between the optimal discriminate plane based on samples and general discriminant analysis. - 87-547 Ninomiya, S.P.: A method of discrimination for electrical Biosignal. - 87-548 Yajima, K.: Classification of behavioral stages of the mouse.

87-549 06.87-04-6/10
 Arntz, H.: FID/C3 "Sozialwissenschaften" tagte in Budapest. (FID/C3 "Social Sciences" met in Budapest, 6-10 April 1987) Orig. de. Int.Aufg.DGD Vol 9, No 3/4, 1987. p.43
 Report on current work and the status of this revision committee.

87-550 06.87-04-6/10
 Ohly, P.: Soziokulturelle Revision im Umbruch: Tagung von FID/C30/31+39 "Soziokulturelle Wissenschaften". (Meeting of FID/C30/31+39 "Sociocultural sciences") Orig. de. Int.Aufg.DGD Vol 9, No 3/4, 1987. p.44

07 Textbooks

87-551 07.1
 Saunders, A.W.: Book review of: Chan, M.L., Richmond, P.A., Sveinonius, E. (Eds.): Theory of subject analysis: a sourcebook.

Littleton, CO. Libraries Unlimited 1985. Orig. en. Catalog.& Classif. Quarterly Vol 7, No 2, 1986. p.105-107

87-552 07.23
Van Slype, G.: Les langages d'indexation: conception, construction et utilisation dans les systèmes documentaires. (Indexing languages: Conception, construction and use in documentary systems) Orig.fr. Paris: Ed.d'Organisation 1987. 279p. ISBN 2-7081-0760-7

08 Other Monographs (whole field)

87-553 08.157
Salveter, Sh.: Book review of: Sowa, J.F.: Conceptual structures: Information processing in mind and machine. Reading, MA: Addison Wesley 1984. Orig. en. Comp.Linguistics Vol 12, No 3, 1986. p.218-219, 1 ref.

87-554 08.3
Markey, K.: Book review of: Milstead, J.L.: Subject access systems: alternatives in design. Orlando, FL: Academic Press 1984. Orig. en. College & Res.Libr. Vol 48, No 1, 1987. p.77-78

87-555 08.7
Gödert, W.: Book review of: Dutz, K. (Ed.): Studien zur Klassifikation, Systematik und Terminologie: Theorie und Praxis. Münster/FRG: Inst.f.Allg.Sprachwiss., MAKS 1985. Orig. de. Z.f.Bibl.wes.u.Bibliogr. Vol 34, No 3, 1987. p.222-226

09 Standards, Guidelines

87-556 09.76
DIN. Normenausschuß Terminologie: DIN 2341. Teil 1. Entwurf. Format für den maschinellen Austausch terminologischer/lexikographischer Daten - MATER. Kategorienkatalog. (Format for the automatic exchange of terminological/lexicographic data - MATER. List of fields) Orig.de. Berlin, DE: Beuth Verl. 1986. 15p.

87-557 09-77
DIN. Normenausschuß Terminologie: DIN 2339. Teil 2. Entwurf: Ausarbeitung und Gestaltung von Veröffentlichungen mit terminologischen Festlegungen. Normen. (Elaboration and composition of publications with terminological definitions. Standards) Orig. de. Berlin, DE: Beuth Verl. 1986. 18 p.

87-558 09.77
DIN. Normenausschuß Terminologie: DIN 2342. Teil 1. Entwurf: Begriffe der Terminologielehre. Grundbegriffe. (Concepts of terminology science. Basic concepts) Orig.de. Berlin, DE: Beuth Verl. 1986. 18 p.

1 THEORETICAL FOUNDATIONS

11 Order and Classification

87-559 115
Olitskij, A.A.: On the activity approach and its place within the knowledge structure. Orig.ru. In: Sistem.issled.: Metodol.probl. Moskva, SU 1986. p.324-340

87-560 116
Karamysheva, N.V.: Scientific abstractions as a specific logical method for theoretical knowledge systems construction. Orig. ru. Filos.probl.sovrem.estestvozn., No 61, 1986. p.11-18, 16 refs.

12 Conceptology in Classification

87-561 122
Kondrat'ev, A.I.: Analysis of idea as a form of creative thinking of the subject of cognition. Orig.ru. Probl.filos., No 67, 1986. p.21-26, 14 refs.

87-562 124
Chelnokov, V.M.: Towards the operationalisation of the integrality concept in knowledge representation. Orig. ru. In: Sistem.issled.: Metodol.probl. Moskva, SU 1986. p.103-112, 12 refs.

87-563 124
Forrest, S.: A study of parallelism in the classifier system and its application to classification in KL-ONE semantic networks. PhD Thesis. Orig.en. Ann Arbor, MI: The University of Michigan. Computer Science 1985. 244p.
The author states in the abstract: The "classification" problem was selected as the focus of the investigation because it

is a central problem for many knowledge-based systems. Of the various knowledge representation paradigms in use today, the KL-ONE family has addressed the problem of classification most directly. The author implemented a compiler that translates KL-ONE definitions into a Classifier System representation. In addition he developed a group of parallel algorithms that uses the Classifier System representation to decide where an incoming concept should be classified in an existing KL-ONE network.

87-564 124
Kuzin, E.S.: Knowledge representation in intelligence online systems. Orig.ru. In: Probl.sozdaniya i primeneniya dialog inf.sistem v avtomatizir.sistemakh. org.upr.Ch.1. Tallin, SU 1985. p.121-125

87-565 124
Pospelov, D.A.: Knowledge representation: an experiment in systems analysis. Orig.ru. In: Sistem.issled.: Metodol.probl. Moskva, SU 1986. p.83-102, 21 refs.

87-566 124
Primo, F. di: Darstellung von "Wissen": der Computer auf dem Weg zum "aktiven Buch". (Representation of "knowledge": The computer on its way to become an "active book") Orig. de. GMD-Spiegel, No 3-4, 1986. p.54-58

87-567 124
Mirmanova, M.S.; Shrejder, Yu.A.: Information methods of knowledge representation. Orig.ru. In: Teor.i prakt.nauch.-tekhn.informn: Mater.sem.in. Moskva, SU 1986. p.118-125, 11 refs.

87-568 128-82
Capurro, R.: Was ist Information? Hinweise zum Wort- und Begriffsfeld eines umstrittenen Begriffs. (What is information? Hints on the word- and concept-field of a controversial concept) Orig. de. In: Handbuch der modernen Datenverarbeitung. Vol 24, No 133, 1987. p.107-114, 9 refs.

87-569 128-82
Proskurin, G.M.: Principia of informatics. Concepts and systematics. Pt.1: Data. Orig.ru. Sverdlovsk, SU, Ural. Politekhn. Institut 1986. 27p., 4 refs.

87-570 128-82
Folberth, O.G., Hackl, C. (Eds.): Der Informationsbegriff in Technik und Wissenschaft. (The information concept in technology and science) Orig. de. München, DE: Oldenbourg Verl. 1986. 298p., 236 refs.
Paper of a Scientific Symposium of the IBM Deutschland GmbH, 3-5 Dec.1984 in Bad Neuenahr.

13 Mathematics in Classification

87-571 133
Dubnicka, J.: Mathematisation and formalisation in scientific cognition. Orig.sk. Iecr.rozv.vedy Vol 9, No 3, 1985. p.61-74, 10 refs.

87-572 136
Krzanowski, W.J.: Book review of: Mosteller, F., Wallace, D.L.: Applied Bayesian and classical inference: The case of the federalist papers. New York: Springer Verl. 1984. Orig. en. J.Classif. Vol 4, No 1, 1987. p.111-114, 4 refs.

14 Systems Theory in Classification

87-573 142
Effelsberg, W.; Fleischmann, A.: Das ISO-Referenzmodell für offene Systeme und seine sieben Schichten. Eine Einführung. (The ISO reference model for open systems and its seven levels. An introduction) Orig.de. Informatik-Spektrum Vol 9, No 5, 1986. p.280-299, 32 refs.
Introduction of the most important concepts of the reference model for open systems. Description of each of the seven levels and explanation of a relevant problem of each level by a simple example.

87-574 143
Jones, Bush: The cognitive content of system substates. Orig.en. In: IEEE Workshop Lang.Autom.: Cognit.Aspects Inform.Process. Silver Spring, MD 1985. p.11-13, 4 refs.

87-575 143
Klir, G.J.: Cognitive aspects of reconstructability analysis. Orig.en. In: IEEE Workshop Lang.Autom.: Cognit.Aspects Inform.Process. Silver Spring, MD 1985. p.6-10, 24 refs.

87-576 148-23
Brekhovskikh, S.M.: Fundamentals of a functional systemology of physical objects. Orig. ru. Moskva, SU: Nauka 1986. 192p.

15 Psychology and Classification

87-577 152
Pushkin, V.G. (Ed.): Problems of consciousness in philosophy and scientific cognitions. Orig.ru. Leningrad, SU 1985. 118p. What follows are two examples of papers collected in this vol. 87-578 Murenko, L.V.: Towards the philosophical concept of the unconscious. 87-579 Ovchinnikova, O.A.: The ideal as a qualitative characteristic of consciousness.

87-580 153
Mareev, S.N.: Formal and substantive systems in scientific cognition. Orig.ru. Vopr.filos., No 6, 1986. p.31-41, 172, 29 refs. The aspects of formal and substantive systems are analysed in connection to the problems of knowledge formalization in AI systems.

87-581 156
Tabachkovskij, V.G. (Ed.): Categorical structures of cognition and practice. Orig. ru. Kiev, SU: Nauk.Dumka 1986. 307 p.

87-582 157
Rada, R.: Knowledge-sparse and knowledge-rich learning in information retrieval. Orig.en. Inform.Process.& Management Vol 23, No 3, 1987. p.195-210, 78 refs. Review of some aspects of the relationship between the large and growing fields of machine learning (ML) and information retrieval (IR). The paper emphasizes the role of the thesaurus in ML+IR work.

16 Development of Science and Classification

87-583 161
Halpern, J.Y.: Reasoning about knowledge. An overview. Orig.en. In: Mattox, A. (Ed.); AFIPS: National Computer Conference, Reston, VA, Arlington, VA: AFIPS Press 1986. p.219-228, 62 refs.

87-584 161
Kryukov, I.B.: Identification of the object and the problem of scientific knowledge objectivity. Orig.ru. In: Dialekt.mater.i fil.vopr.estestvozn.: logica, ist.i metodol.nauch.poznaniya. Moskva, SU 1985. p.37-44

87-585 161
Kuraev, V.I.; Lazarev, F.B.: The foundations of scientific knowledge: reflection and rationality. Orig. ru. Vopr.filos., No 5, 1986. p.49-61, 173, 16 refs.

87-586 161
Rozova, S.S.: The classification problem in modern science. Orig.ru. Novosibirsk, SU: Nauka 1986. 233p.

87-587 161
Tyuchtin, V.S.; Fajzullaev, A.F. (Eds.): Scientific cognition methodology and techniques under the scientific and technological revolution. Orig. ru. Tashkent, SU: FAN 1986. 287p.

87-588 162
Sergeev, V.M.: Paradoxes and languages of interdisciplinary synthesis: How a new paradigm emerges. Orig.ru. In: Sistem.issled.: Metodol.probl. Moskva, SU 1986. p.341-355, 30 refs.

87-589 163
Bogun, N.A.: Bases of theoretical knowledge as the subject-matter of philosophical analysis. Orig. ru. Probl.filos., No 67, 1986. p.36-42, 5 refs.

87-590 164
Chukhno, V.B.: Social determinism of scientific quest ideals - the case of causality. Orig. ru. In: Ist.materializm kak metodol.sots.poznaniya. Novosibirsk, SU 1985. p.37-43, 4 refs.

87-591 164
Karashev, V.P.: The stages of scientific knowledge consolidation. Orig.ru. Metodl.vopr.nauki, No 10 1986. p.3-17, 50 refs.

87-592 164
Ladenko, I.S.: The structure of methodological knowledge and the thought experience. Orig.ru. In: Struktura filos.znaniya. Tomsk, SU 1986. p.148-151

87-593 164
Stepin, V.S.: On the prognostic nature of philosophical knowledge: Philosophy and science. Orig. ru. Vopr.filos., No 4, 1986. p.172-173, 22 refs.

87-594 164
Sukhotin, A.K. (Ed.): The structure of philosophical knowledge. Orig.ru. Tomsk, SU: Izdatel'stvo Universiteta 1986. 213p. Summaries of reports of the regional P.V.Kopnin Memorial Readings. The reports deal with studies involving the integrity and structural unity of philosophy.

87-595 168
Chernykh, N.A.: Constructing a subject area model in a natural language computer-based information processing system. Orig.ru. In: Probl.sozdaniya i premeneniya dial.inform.sistem v avtomatizir.sistemakh org.upr.Ch.1. Tallin, SU 1985. p.250-255

87-596 168
Yashchunin, A.E.: Formal-logic methods for describing subject areas on a conceptual level. Orig.ru. In: Mat.metody v avtomatiz.inform.sistemakh i bankakh dannykh. Kiev, SU 1985. p.31-36, 4 refs.

87-597 168-82
Gor'kova, V.I.: The conception of a subject area: informatics. Orig.ru. In: Teor.i prakt.nauch.-tekh.inform.: Mater.semin. Moskva, SU 1986. p.90-108, 1 ref.

87-598 168-82
Semenyuk, E.P.: Is it informatics or metainformatics? Toward the problem of the character and name of a scientific discipline. Orig.ru. Nauchno-tekh.inform.Ser.2, No 6, 1986. p.1-5, 28 refs.

17 Problems in Classification

87-599 173
Roy, Richard: Classer par centres d'interet: grandeur et misere du classement des livres en bibliotheques publiques. (Classing by the interest of centers: greatness and misery of book classification in public libraries) Orig.fr. Bull.Bibl.France Vol 31, No 3, 1986. p.224-231, 10 refs.

87-600 175
Uematsu, T.: Information retrieval and the indexing language. Orig.ja. Semmon tosyokan, No 107, 1986. p.22-25, 2 refs. Discussion of IR problems in connection with the selection of an indexing language.

19 History of Classification

87-601 191
Davies, R.: Classification and ratiocination. Orig.en. In: Davies, R. (Ed.); Intelligent information systems. Progress and prospects. Chichester, GB; New York: Horwood; Halsted Press 1986. p.262-289, 93 refs.

87-602 191
Pertsova, N.N.: Word semantics in G.W.Leibniz's linguistic conception. Orig.ru. Predvarit.publ., Inst.rus.yaz.AN SSSR, No 165, 1985. p.1-56

2 STRUCTURE AND CONSTRUCTION OF CS & T

21 General questions of CS & T

87-603 211
Gopinath, M.A.: Postulational approach to analytic-synthetic classification. Orig.en. Libr.Sci.Slant Doc. Vol 22, No 4, 1985. p.204-229, 1 ref.

87-604 212
Priznet, E.L.: Toward a typology of subject classification systems. Orig.ru. Predmet.poisik v tradits.i netrad.inform.poisik.sistemakh, No 6, 1986. p.27-39, 13 refs.

87-605 212
Shelov, S.D.: A category of scientific and technical terms. Three approaches to isolating nomenclature names. Orig.en. Autom.Doc.& Math.Linguistics 19(1985)No 2, p.1-12, 28 refs.

87-606 214
Bardina, S.Yu.; Beloozerov, V.N.: A typology of IR thesauri. Orig.ru. Nauch.-tekh.terminol., No 6, 1986. p.8-12

87-607 214
Sandstroem, G.: Augmented thesaurus for multicontextual descriptions. Orig.en. In: Brookes, B.C. (Ed.); Intelligent information systems for the information society. Amsterdam, NL, North-Holland 1986. p.192-210, 17 refs. Continuous updating and multicontextual descriptions are the most important features of the augmented thesaurus which is described with examples from medical realms.

87-608 217
Beloozerov, V.N.; Fedosimov, V.I.: The place of the macrothesaurus within the linguistic software tools of the STInetwork. Orig. ru. Probl.inform.sistem, No 1, 1986. p.6-10

87-609 217
Gor'kova, V.I., Borokhov, E.A.: Thesauri of relational vocabulary and their application in computer-based information systems. Orig.ru. Moskva, SU: VINITI 1985. 58 p.

87-610 217
Kapur, Sh.: Lexicography and importance of library classification. An analysis. Orig. en. ALIS Bull. Vol 9/10, 1985/86. p.43-48, 3 refs. Describes the power of words as they react to external stimuli forming language for understanding people and communication thoughts. The task of lexicographers in preparing dictionaries is highlighted. The importance of classification schemes which make the natural language in agreement with the rules of morphology are furnished. (Author)

87-611 218
Booth, P.F.: Thesauri - their uses for indexers. Orig. en. Indexer Vol 15, No 3, 1987. p.141-144, 17 refs.

87-612 218
Mdivani, R.R.: MISON's indexing languages today and tomorrow. Orig.ru. Probl.inform.sistem, No 1, 1986. p.23-28 Description of the set of linguistic tools used in the computer-based MISON (Social Science Information) system.

22 Elements of CS & T

87-613 225
Strong, G.W.; Drott, M.C.: A thesaurus for end-user indexing and retrieval. Orig.en. Inform.Process.& Management Vol 22, No 6, 1986. p.487-492, 7 refs. A faceted hierarchical thesaurus organization has been designed to accomplish the goal.

87-614 227
Bevzenko, E.A.; Zelenkov, Yu.G.: The syntactic structure of word combinations. Orig. ru. Vopr.Inform.teorii i Prakt., No 53, 1985. p.44-50

87-615 228-23
Gopinath, M.A.; Kumar, G.Ajith: Compound subjects in the field of physics: a quantitative analysis of facets. Orig. en. Libr.Sci.Slant Doc. Vol 22, No 2, 1985, p.105-112, 2 refs.

23 Construction of CS & T

87-616 231
Lancaster, F.W.(Ed.): Thesaurus construction and use. A condensed course. Orig. en. Paris, FR: UNESCO 1985. 89p., 10 refs., PGI-85-WS-11 The volume contains a set of 84 "exhibits" and a text to explain and amplify the exhibits. The latter is divided into 14 topical units.

87-617 232
Jabrzemska, E.; Scibor, E.: The principles behind the design and application of disciplinary thematic classifications. Orig.pl. SINTO Mater.Method., No 26, 1986. p.1-54, 54 refs.

87-618 233
Pashenko, N.A.; Knorina, L.V., Molchanova, T.V. (Comps.): Methodology of compiling IR thesauri in VINITI's disciplinary research departments. Orig. ru. Moskva, SU: VINITI 1985. 36p.

87-619 236
Friis-Hansen, J.B.: "Cluster" construction in Denmark. Orig. en. Riliser Bull Vol 4, No 1, 1986. p.I-5 Discussion of the problems concerning the construction of a general thesaurus for the Danish national bibliography database BASIS.

87-620 236
Zaks, A.I., Lovtsov, A.I., Ozhogin, B.A., Florentsev, S.N.: Development of the MSIS NIR German/Russian thesaurus and its use in information service. Orig.ru. Probl.inform.sistem, No.1, 1986. p.17-22, 2 refs.

87-621 237
Wirth, R.: Halbautomatische Erweiterung eines Thesaurus. (Semi-automatic enlargement of a thesaurus) Orig.de. In: Stoyan, H. (Ed.); Ges.f.Informatik, FA 1.2 Künstliche Intelligenz und Mustererkennung. Bonn: GWA1-85; Berlin, DE: Springer 1986. p.204-211, 7 refs.

87-622 237
Job, J.O.; Mouheich, T.: La gestion documentaire rapide au service d'une petite equipe de recherche. (A quick documentation system for a small research team) Orig. fr. Documentaliste Vol 23, No 6, 1986. p.237-239, 3 refs. A system for classification and retrieval of scientific refer-

ences is presented which was originally developed at ACSAD (The Arab Center for the Study of Arid Zones and Dry Lands, Damascus, Syria). The database management system, dBase III was used.

24 Relationships

87-623 241
Beletskij, P.M.; Mikhnovskij, S.D., Pomazkova, M.Yu.: Normalization of relations in a computer-aided database design system. Orig.ru. In: Mat.metody v avtomatizir.inform.sistemakh i bankakh dannyxh. 1985. p.13-20, 8 refs.

87-624 241
Brady, L.I.: A universal relation assumption based on entities and relationships. Orig.en. In: 4th Int.Conf.Entity-Relationship Approach. Silver Spring, MD 1985. p.208-215, 23 refs.

87-625 241
Kobayashi, I.: Classification and transformations of binary relationship relation schemata. Orig.en. Inform.Systems Vol 11, No 2, 1986. p.109-122, 15 refs.

87-626 241
Mikoni, S.V.: Ordering of concepts in related disciplines using a logical-linguistic approach. Orig.ru. Nauch.-tekhn.terminol., No 1, 1986. p.6-11, 8 refs.

87-627 242
Chuprina, S.I.: Automatic data processing based on associative networks. Orig.ru. In: Informat.i naukoved. Tambov, SU 1986. p.12-13

87-628 242
Courtial, J.-P.: Un système a base de logique des associations pour l'interrogation des bases de données. (A system based on associative relationships for dialogue in databases) Orig. fr. Documentaliste Vol 24, No 1, 1987. p.11-16, 12 refs.

87-629 242
Gopinath, M.A.: Equivalence relations in information retrieval thesauri. Orig. en. Libr.Sci.Slant Doc. Vol 22, No 1, 1985. p.57-63, 6 refs.

87-630 243
Karpova, G.D.: Use of syntactic relations as sense discriminating aids in a computer-based IR system. Orig. ru. In: Tr.konf.mol.uchenykh i spets.po probl.inform., Moskva, 6-9 iyunya 1982, 1986. Moskva, SU: VINITI 1986. p.23-45, 5 refs.

87-631 247; 128-7
Brent, E.E.: Relational data base structures and concept formation in the social sciences. Orig.en. Comput.& Soc.Sci. Vol 1, No 1, 1985. p.29-49, 44 refs.

87-632 247
Brona, I.I.: Boolean dependensies in relational database models. Orig.ru. In: Mat.Metody v avtomatizir.inform.sistemakh i bankakh dannyxh. 1985. p.36-44, 3 refs.

87-633 247
Ceri, S.; Gottlob, G., Pelagatti, G.: Taxonomy and formal properties of distributed joins. Orig. en. Inform.Systems Vol 11, No 1, 1986. p.25-40, 18 refs.

87-634 247
Frolov, O.R.: Algebraic system for dialogue support in relational databases. Orig.ru. In: Probl.sozdaniya i primeneniya dialog.inform.sistem v avtomatizir.inform.sistemakh org.upr. Ch.1. Tallin, SU 1985. p.206-210

87-635 247
Golosov, A.O.; Tsalenko, M.Sh.: Semantic transformation of the relational database. Orig.ru. Sb.tr.VNII sistem issled., No 2, 1986. p.79-86, 13 refs.

87-636 247
Tsalenko, M.Sh.: Semantic and mathematical models of data bases. Orig.ru. Itogi nauki i tekhn.: Informat. Moskva: VINITI 1985. 207p., 293 refs.

87-637 247
Vossen, G.; Brosda, V.: A high-level user interface for update and retrieval in relational databases - language aspects. Orig.en. SIGMOD Rec. Vol 14, No 4, 1985. p.343-353, 22 refs.

25 Numerical Taxonomy

See also 87-513

87-638 251
Fishburn, P.C.: Book review of: Arrow, K.J., Raynaud, H.: So-

- cial choice and multicriterion decision-making. Cambridge, MA: MIT Press 1986 127 p. J.Classif. Vol 4, No 1, 1987. p.129-131
- 87-639 251
Krzanowski, W.J.: A comparison between two distance-based discriminant principles. J.Classif. Vol 4, No 1, 1987. p.73-84
- 87-640 251
Milligan, G.W.: Book review of: James, M.: Classification algorithms. London: Collins 1985. 211p. J.Classif. Vol 4, No 1, 1987. p.115-117
- 87-641 252
Cavender, J.A.: Invariants of phylogenies in a simple case with discrete states. J.Classif. 4(1987)No 1, p.57-71, 10 refs.
- 87-642 252
Conrad, M.P.: A rapid, non-parametric clustering scheme for flow cytometric data. Pattern Recognition Vol 20, No 2, 1987. p.229-235, 10 refs.
- 87-643 252
Dubes, R.C.; Zeng, G.: A test for spatial homogeneity in cluster analysis. Orig. en. J.Classif. Vol 4, No 1, 1987. p.33-56
- 87-644 253
Bhanu, B.; Ming, J.C.: Recognition of occluded objects: a cluster-structure algorithm. Pattern Recognition Vol 20, No 2, 1987. p.199-211, 23 refs.
- 87-645 253
DeSarbo, W.: Book review of: Späth, H.: Cluster dissection and analysis: Theory, FORTRAN Programs. Chichester, GB: Ellis Horwood 1986. 226p. J.Classif. 4(1987)No 1, p.139-141, 11 refs.
- 87-646 253
Glasbey, C.A.: Complete linkage as a multiple stopping rule for single linkage clustering. J.Classif. Vol 4, No 1, 1987, p.103-109, 6 refs.
- 87-647 254
Gordon, A.D.: Parsimonious trees. Orig. en. J.Classif. Vol 4, No 1, 1987. p.85-101, 15 refs.
- 87-648 254
Voorhees, E.M.: Implementing agglomerative hierarchic clustering algorithms for use in document retrieval. Orig. en. Inform.Process.& Management 22(1986)No 6, p.465-476, 15 refs. Description of the implementation of three agglomerative hierarchic clustering algorithms that exploit the sparsity of information in the document-term matrix, so that collections much larger than the algorithms' worst case running times would suggest can be clustered. The implementations described in the paper have been used to cluster a collection of 12,000 documents. (Author, abbrev.)
- 87-649 255
Bidasarua, H.B.: Least desirable feature elimination in a general pattern recognition problem. Orig. en. Pattern Recognition Vol 20, No 3, 1987. p.365-370, 9 refs.
- 87-650 255
Fiala, J.C.; Haralick, R.M.: Comparison of a regular and an irregular decomposition of regions and volumes. Orig. en. Pattern Recognition Vol 20, No 3, 1987. p.309-319, 23 refs.
- 87-651 255
Gupta, L.; Srinath, M.D.: Contour sequence moments for the classification of closed planar shapes. Orig. en. Pattern Recognition Vol 20, No 3, 1987. p.267-272, 30 refs.
- 87-652 255
Mantas, J.: Methodologies in pattern recognition and image analysis - a brief survey. Orig. en. Pattern Recognition Vol 20, No 1, 1987. p.1-6, 69 refs.
- 87-653 258
Wasserman, St.: Book review of: Levine, J.H.: Levine's Atlas of Corporate Interlocks. Vols. I & II. Hanover, NH: Worldnet 1984 70+379p. Orig.en. J.Classif. Vol 1, No. 4. p.118-122, 3 refs.
- 87-654 258-397
Vogel, F.; Grünwald, W.: Unterentwicklung - Entwicklung. Eine Studie zur Einteilung der Länder der Erde nach ihrem Entwicklungsstand (III/IV). (Underdevelopment - development. An investigation into the division of countries of the earth according to their state of development) Orig. de. Bamberg, FRG: Universität. Forsch.Stelle f.Numer.Klassifikation 1987. 75p. In Pt.2 of this study, the economic state of development of countries was measured. Parts 3 and 4 deal with the demographic and political state of development.
- 87-655 258-4
Crovello, Th.J.: Book review of: Abbott, L.A., Bisby, F.A., Rogers, D.J.: Taxonomic analysis in biology: computers, models and databases. New York: Columbia University Press 1985. 336p. Orig. en. J.Classif. Vol 4, No 1, 1987. p.132-134, 3 refs.
- 87-656 258-579
Weber, E.U.: Book review of: Ben-Akiva, M., Lerman, St.R.: Discrete choice analysis: Theory and application to travel demand. Cambridge, MA: MIT Press 1985. XX,390p. Orig. en. J.Classif. Vol 4, No 1 1987. p.125-128, 3 refs.
- 87-657 258-58
Baum, B.R.: Book review of: Legendre, L., Legendre, P.: Numerical ecology. Amsterdam: Elsevier Scientific 1983. XVI,449p. Orig. en. J.Classif. Vol 4, No 1, 1987. p.135-138, 9 refs.
- 87-658 258-715
Levine, J.H.: Book review of: Stokman, F.N., Ziegler, R., Scott, J.: Networks of corporate power. Cambridge, GB: Polity Press 1985. 304p. Orig.en. J.Classif. Vol 4, No 1, 1987. p.123-124
- 87-659 258-77
Karpov, Yu.M.; Lejchik, V.M.: Application of cluster-analysis techniques to the solution of terminological problems. Orig.ru. Probl.inform.system, No 1, 1986. p.69-87, 19 refs.
- 87-660 258-826
Malvestuto, F.M.: Statistical treatment of the information content of a database. Inform.Systems 11(1986)No 3, p.211-23, 39 refs.

27 Revision, Updating, Storage & Maintenance

- 87-661 277
Rohou, C.: La gestion automatisée des thésaurus. Etude comparative de logiciels. (Automatic thesaurus organisation. Comparative study of software) Orig. fr. Documentaliste Vol 24, No 3, 1987. p.103-108, 31 refs.

28 Compatibility and Concordance between CS & T

- 87-662 281
Gendina, N.I.: Problems in optimising semantic devices in computerised library systems. Orig. ru. In: Avtomatizir.bibl.-inform.system. Novosibirsk, SU 1985. p.34-42, 23 refs.
- 87-663 285-93
Logrippo, L.; Stepien, B.: Cluster analysis for the computer-assisted statistical analysis of melodies. Orig. en. Computers & Humanities Vol 20, No 1, 1986. p.19-25, 14 refs.
- 87-664 287
Scibor, E.: Indexing languages concordances: methodological issues. Orig.ru. Probl.inform.system, No 1, 1986. p.45-63, 5 refs. The compatibility of the ISTIS indexing languages with other indexing languages is analysed using the concordances. Presentation of structure and composition of the concordances.

29 Evaluation of CS & T

- 87-665 295
Ionescu, A.: Etude comparative d'un thésaurus traditionnel et d'un thésaurus de recherche construit à partir des relations réelles entre les descripteurs utilisées dans la base de données bibliographiques PASCAL 101/1980. (Comparative study of a conventional thesaurus and an information retrieval thesaurus constructed on the basis of existing relationships between the descriptors used in the bibliographic database PASCAL 101/1980). Orig. fr. Montréal: Univ. 1986. VII,232p.
- 87-666 295
Hemalata Iyer: Hierarchical structures and effectiveness of indexing language. Orig.en. Libr.Sci. Slant Doc. Vol 22, No 2, 1985, p.65-75, 4 refs.
- 87-667 298-416
Mikhajlovskij, E.M.; Avidon, V.V.: Estimating the validity of nosological terms for an indexing language on the biological activity of chemical compounds. Orig. ru. Nauchno-tekhn.inform., Ser.2, No 5, 1986. p.24-29, 18 refs.

3 CLASSING AND INDEXING

31 Theory of Classing and Indexing

- 87-668 311
Fugmann, R.: Natural versus indexing languages in information systems: Treatise on retrieval system theory. Orig. en. Int.Inform.Communicat.& Educ. Vol 5, No 2, 1986. p.155-166

32 Subject Analysis

- 87-669 321
Bertrand-Gastaldy, S.: De quelques éléments à considérer avant de choisir un niveau ou un langage documentaire. (On some items for consideration before choosing an analysis level or a documentary language) Orig.fr. Doc.& Bibliothèques Vol 32, No 1-2, 1986. p.3-23, 93 refs.
- 87-670 321
Johansen, Th.: Elements of the non-linguistic approach to subject-relationships. Orig. en. Int.Classif. Vol 14, No 1, 1987. p.11-18, 15 refs.
- 87-671 321.99
Sakharnyj, L.V.: The results of developing GOSTs for subject analysis: problems and solutions. Orig.ru. In: Predmet,poisk v tradits.i netradits.inform.-poisk.sistemakh, No 6, 1986. p.6-26, 16 refs.
- 87-672 328-6/7
Duben, J.: Describing the subject content of a data file. Orig.cs. Mech.a autom.admin., No 2, 1986. p.56-61, 1 ref.
- 87-673 328-62
Coing, M.: Inhaltliche und formale Erschliessung von EG-Veröffentlichungen. (Contents-related and formal analysis of CEG-publications) Orig.de. In: Amtsdrukschriften der Europäischen Gemeinschaften. Referate eines Fortbildungsseminars am 25.u. 26.April 1985, Bonn, Berlin,DE: Dt.Bibliotheksinstitut 1986. 212p., DBI-Materialien 51
- 87-674 328-76
Nowacki, H.: Schnittstellennormung für gegenstandsdefinierenden Datenaustausch. (Standardization of the interface for data exchange of defined objects) Orig.de. DIN-Mitt. Vol 66, No 4, 1987. p.182-186
Presentation of the standards existing in this area and description of status and goals of international developments in this kind of standardization are explained.

33 Classing and Indexing Techniques

- 87-675 331
Bakewell, K.G.B.: Reference books for indexers. Orig. en. Indexer Vol 15, No 3, 1987. p.131-140, 197 refs.
Details are given of nearly 200 reference books which may be of use to indexers. It is accepted that the list is essentially a personal one and that some omissions are inevitable.
- 87-676 331
Vickers, J.A.: Index, how not to. Orig. en. Indexer Vol 15, No 3, 1987. p.163-166
- 87-677 332
Kekez, F.: Reference library classification model. Orig. sh. Brodogradnja Vol 34, No 1, 1986. p.21-29, 10 refs.
- 87-678 338
Bhattacharyya, G.: POPSI: a system for depth indexing. Orig.en. Int. Inform., Communic.& Educ. 4(1985)No 2, p.144-155, 5 refs.

34 Automatic Classing and Indexing

- 87-679 341
Shatberashvili, O.B.: Automation of information analysis processes in a regional STI body. Orig.ru. Nauchn.-tekhn.inform., Ser.1, No 5, 1986. p.B-10, 10 refs.
- 87-680 343
Aladesulu, O.St.: Improvement of automatic indexing through recognition of semantically equivalent, syntactically different phrases. PhD Thesis. Orig.en. Columbus, OH: Ohio State University. Computer Science 1985. 192p.
- 87-681 343
Jones, K.P.: The automatic extraction of words from texts especially for input into information retrieval systems based on inverted files. Orig.en. In: Res.& Dev.Inform.Retrieval., Cambridge, GB etc. 1984. p.409-420, 17 refs.
- 87-682 346
Pavlova, L.S.; Popesku, A.N., Tarasova, E.S., Khazhinskaya, M.S.: An information-linguistic database for semantic indexing of sci-tech texts translation. Orig.ru. In: teoriya i prakt.nauch.-tekhn.perevoda: Mezhdunar.konf., Moskva, SU 1985. p.158-159
- 87-683 348
Wassennan, K.H.: Unifying representation and generalization: understanding hierarchically structured objects. PhD Thesis.

New York, NY: Columbia University. Computer Science 1985. 245p. In the thesis a scheme is presented, called MERGE, designed to be used in computer systems that understand and automatically classify instances of hierarchies in a given domain.

35 Manual and Automatic Ordering

- 87-684 353
Omiecinski, E.; Scheuermann, P.: A global approach to record clustering and file reorganisation. Orig.en. In: Res.& Dev.Inform.Retrieval. Cambridge, etc. 1984. p.201-219, 12 refs.

38 Index Generation and Programs

- 87-685 381
Malykha, V.V.: Role of bibliographic indexes in analysing research institute scientists' publications. Orig.ru. Nauch.i tekhn.biblioteki SSSR, No.4, 1986. p.36-37, 3 refs.
- 87-686 383
Kenji, S.; Saito, K., Kumiko, T., Uehara, J., Sasajima, S., Yoshikawa, Ch.: Making a KWIC index by microcomputer. Orig.ja. In: Dai 21 kai zyoheo kagaku gizyutsu kenkyu syukai happyo rombunshu. Tokyo 1985. p.177-183, 2 refs.
- 87-687 386
Frost, C.O.: Book review of: Pratt, A.D.: INDEXIT: a microcomputer indexing program and manual. New Haven, CT: Graham Conley Press 1985. 56p. Inform.Process.& Management Vol 23, No 3, 1987. p.242
- 87-688 387
Velez, F.: LAMBDA: an entity-relationship based query language for the retrieval of structural documents. In: 4th Int.Conf. Entity-Relationship Approach. Silver Spring, MD 1985. p.82-89, 26 refs.
- 87-689 388-7
Makhlin, G.E.: Information-reference system INDEKS. Orig. ru. Probl.inform.sist., No 3, 1985. p.3-6, 2 refs.
The system INDEKS is built on the Iskra-226 minicomputer. It is intended for handling economic indexes online.

39 Evaluation of Classing and Indexing

- 87-690 391
Sotnikov, A.N.: On the performance of algorithms for determining parameters of search set hierarchic structures. Orig. ru. In: Probl.sozdaniya i primeneniya dialog.inform.sistem v avtomatiz.sistenakh org.upr.Ch.1. Tallin, SU 1985. p.40-42, 3 refs.
- 87-691 394
Hrašova, J.; Janáková, I.: Indexing experiment. Orig.cs. Ceskoslovenska informatika Vol 28, No 9 1986. p.250-254, 10 refs.
Report on results of the following experiment: indexers were to select gradually 30, 20, 10, 5, 3, 2 and 1 keywords from nin various texts.
- 87-692 395
Sacks-Davis, R.: Performance of a multi-key access method based on descriptors and superimposed coding techniques. Orig. en. Inform.Systems Vol 10, No 4, 1985. p.391-403, 12 refs.
- 87-693 396
Bielicka, L.A.: Indexierungsmethodik: Prüfungen und Empfehlungen. (Comparing two methods of indexing) Orig. de. Dok./Inform., Ilmenau, GDR, No.65, 1985. p.95-102, 7 refs.
- 87-694 398-55
White, H.D.; Griffith, B.C.: Quality of indexing in online data bases. Orig.en. Inform.Process.& Management Vol 23, No 3, 1987 p.211-224, 12 refs.
The texts are illustrated with 18 clusters of documents from the medical behavioral science literature and with terms drawn from MEDLINE, PsycINFO, BIOSIS, and Excerpta Medica.

4 ON UNIVERSAL SYSTEMS

42 On the Universal Decimal Classification

(UDC)

- 87-695 42.243
Richter, N.: Grammaire de l'indexation décimale. (Grammar of decimal indexing) Orig.fr. Le Mans, FR: Bibliothèque de l'Université du Maine 1987. 90p., ISBN 2-904037-09-8
The book is meant for the advanced user of the UDC.

87-696 42.92
Martyan, G.; Barta, G.: The activity of the Hungarian UDC Editorial Board in 1982-1985. State of the Hungarian UDC edition. Orig.en. Int.Forum Inform.& Doc. Vol 11, No 4, 1986. p.14-18
The paper includes full lists of UDC editions in Hungarian, published as State Standards, as well as alphabetical subject indexes to them. Proposals for future changes.

87-697 42.934
Kofnovec, L.: Schedules of UDC in Czechoslovakia. Their present state and perspectives. Orig.cs. Československá informatika Vol 28, No 7-8, 1986. p.207-212

43 On the Dewey Decimal Classification (DDC)

87-698 43.07
Sood, S.P.; Ratwani, M.R.: Practical Dewey Decimal Classification. Orig. hi. Jaipur, IN: RBSA Publ. 1986. 285p.

87-699 43.27
Dhyani, P.: Universe of subjects and DDC Engineering. Orig.en. Int.Classif. Vol 14, No 1, 1987. p.19-22, 4 refs.
Examination of the viability of various methods used by DDC for accommodating the universe of subjects. Suggestions for evvicacious use of these methods are given.

87-700 43.27
Kaula, P.N.: Book review of: Momeni, M.K.: Adaptations of DDC in the Middle East. Champaign, IL: University of Illinois Graduate School of Libr.& Inform.Servive 1985. 36p. Orig. en. Herald Libr.Sci. Vol 25, No 1-2, 1986. p.101

87-701 43.27
Linden, R.: Some thoughts on the Dewey Decimal Classification. Orig.en. In: Panwan, B.S., Vyas, S.D.(Eds.): Library Management. Delhi, IN: B.R.Publ.Corp. 1986. p.311-318

87-702 43.274
Gray, R.A.: Are there serendipitous rewards in browsing in Dewey-classified libraries. Orig.en. J.Educ.Med. & Libr.Sciences, Taiwan Vol 24, No 1, 1986. p.22-37
Critique concerning the new way of organising the DDC. Suggestions are given "how the coherent elegance of the Dewey concept could be restored".

87-703 43.75
Richmond, Ph.A.: Book review of: Markey, K., Demeyer, A.: Dewey Decimal Classification Online Project: Evaluation of a library schedule and index integrated into the subject searching capabilities of an online catalog. Dublin, OH: OCLC 1984. 425 p. Inform.Process.& Management Vol 22, No 6, 1986. p.554-555

87-704 43.75
Warner, A.: Book review of: Markey, K., Demeyer, A.: Dewey Decimal Classification Online Project: Evaluation of a library schedule and index integrated into the subject searching capabilities of an online catalog. Dublin, OH: OCLC 1984. 425 p. Orig.en. Libr.& Inform.Sci.Res. Vol 9, No 1, 1987. p.64-65

44 On the Library of Congress Classification (LCC)

and on the LIBRARY OF CONGRESS SUBJECT HEADINGS

87-705 44.218
Sug, Y.F.: Some considerations on the adoption of the Library of Congress Classification scheme in the NUS (National Library of Singapore) law library. Singapore Libr. Vol 14, 1984. p.33-6

87-706 44.6-6
Witty, F.J.: Book review of: Caster, L.D.: The classifier's guide to LC Class H: Subdivision techniques for the Social Sciences. New York, London: Neal-Schuman Publ. 1986. VII, 143p. Orig.en. Inform.Process.& Management Vol 23, No 3, 1987. p.246

87-707 448.19
Grimaldi, T.: Cutter e i fondamenti teorici delle "Library of Congress Subject Headings (LCSH)". (Cutter and the basics of the LCSH) Orig.it. Bibliotecario, No 11-12, 1987. p.151-162, 29 refs.
A review of the discussions about theory and praxis of subject cataloguing as done in the Library of Congress.

87-708 448.27
Cochrane, P.A.: Improving LCSH for use in online catalogs: Exercises for self-help with a selection of background readings. Orig.en. Littleton, CO: Libraries Unlimited 1986. XIV, 348p., ISBN 0-87287-484-2 (pbk)
The volume comprises two sections: (1) consisting of six chapters (95 p.) by P.A.Cochrane and (2) with contributions of 23 other authors (+2 by Mrs.Cochrane) on related topics, being either full or partial reprints of papers containing useful

suggestions for improving LCSH. The chapters of Section 1: LCSH: What it is and is not and what it may become within the online catalog. Form of LCSH headings in library catalogs: Suggestions for improvement and for more scope notes. LCSH cross-reference structure: Suggested improvements. LCSH subdivisions: suggested improvements. LCSH, LCC, and DDC: Suggested relationships. LCSH and subject access online: Improvements through enhancements and user assistance. - Each chapter includes exercises, notes and selected readings. The subject index (p.333-348) was prepared by Robert H.Burger. The contributions (reprints) of Section 2:

87-708 Australian Bibliographic Network subject cataloguing manual. Part B2. - 87-708a Angell, R.S.: Library of Congress Subject Headings. - 87-709 Berman, S.: Proposal for reforms to improve subject searching. - 87-710 Chan, L.M.: Library of Congress Subject Headings as an online retrieval tool: structural considerations. - 87-711 Chan, L.M.: The period subdivision in subject headings. - 87-712 Coates, E.J.: Subject catalogues: Headings and structure. - 87-713 Cochrane, P.: Classification as an online subject access tool: Challenge and opportunity. - 87-714 Cochrane, P.: "LCSH-EVP Notebook of procedures" and "Using LCSH as a subject access tool in online public access catalogs". - 87-715 Daily, J.E.: The grammar of subject headings: A formulation of rules for subject headings based on a syntactical and morphological analysis of the Library of Congress list. - 87-716 Greenberg, A.M.: Scope notes in Library of Congress Subject Headings. - 87-717 Haykin, D.J.: Subject headings: A practical guide. - 87-718 Hill, J.S.: Online classification number access: Some practical considerations. - 87-719 Immroth, J.Ph.: Analysis of vocabulary control in Library of Congress Classification and Subject Headings.

87-720 Jarvis, W.E.: Integrating subject pathfinders into online catalogs. - 87-721 Library of Congress, Subject Cataloging Div.: Subject Cataloging Manual: Subject Headings. 87-722 Lopez, M.D.: Subject catalogers - equal to the future. 87-723 Mandel, C.A.: Enriching the library catalog record for subject access. - 87-724 Mandel, C.A.: Helping LC improve LCSH only constructive approach. - 87-725 Markey, K.: Subject searching in library catalogs. - 87-726 Micco, H.M.: An exploratory study of three subject access systems in medicine: LCSH, MeSH, PRECIS. - 87-727 Miller, D.: Authority control in the retrospective conversion process. - 87-728 Milstead, J.L.: Natural versus inverted word order in subject headings. - 87-729 Mischo, W.H.: Expanded subject access to library collections using computer-assisted indexing techniques. 87-730 Mostecky, V.: Study of the see-also reference structure in relation to the subject of international law. - 87-730a PAIS subject headings. - 87-731 Pettee, J.: Subject headings: The history and theory of the alphabetical subject approach to books. 87-732 Prevost, M.: An approach to theory and method in general subject headings. - 87-733 Richmond, Ph.A.: CATS: An example of concealed classification in subject headings. 87-734 Wall, R.A.: Intelligent indexing and retrieval. - 87-735 Wepsiec, J.: Language of the Library of Congress Subject Headings pertaining to Society.

46 On the Colon Classification (RCC)

87-736 46.07
Tripathi, S.M.: Book review of: Chand, M.P.: Colon Classification: Its structure and working. 2nd ed. New Delhi: Sterling 1984. 139p. Herald Libr.Sci. Vol 25, No 1-2, 1985. p.99-100

87-737 46.22
Gopinath, M.A.: Speciators to facets in Colon Classification. Libr.Sci.Stant Doc. Vol 22, No 1, 1985. p.1-13, 9 refs.

87-739 46.23
Gopinath, M.A.: Checklist of component ideas for classification by Colon Classification. Libr.Sci.Stant Doc. Vol 22, No 1, 1985. p.14-18, 2 refs.
The indexing procedure based on the checklist is illustrated by three examples.

48 On Other Universal Systems

87-740 481
Biagetti, M.T.: Information Coding Classification. Un sistema di classificazione dai fondamenti ontologici. Orig. it. Bibliotecario, No 11-12, 1987. p.85-104, 66 refs.
Structure and features of ICC, a new universal classification system, are explained. The system, developed by Ingetrant Dahlberg, is based on a referent-oriented concept theory. It shows ontological foundations, in particular it is based on Nicolai Hartmann's new ontology. (Author)

87-741 482
Dujol, A.: Le clair et l'obscur: usage de la classification à la BPI. (The clear and the obscure: Use of the BPI classification) Orig.fr. Bull Bibl.France Vol 31, No 3, 1986. p.232-237, 4 refs.

- 87-742 483
Ivanova, N.L.; Prudnikova, G.A., Nagibina, S.V., Sonechkina, E.D.: The maintenance experience of the All-Union Classifier of managerial documentation as a classifier of unified documents formats. Orig.ru. *Klassifikatory i dok.*, No 4, 1986. p.20-23
The classifier serves to register and systematise forms of documents, to control the composition of formats in the Unified Documentation System, and to search for forms.
- 87-743 483
Kistal'nyj, B.V.; Gendlina, I.E.: The GASNTI Subject Authority as a classification system. Orig. ru.
Nauchn.-tekhn.inform., Ser.1, No 5, 1986. p.1-7, 18 refs.
- 87-744 483
Mikhasenko, G.M.: Using the All-Union Classifier in designing the information collection of the Byelorussian State Planning Committee Automated Planning Calculations System. Orig. ru.
Mash.obrab.inform., No 42, 1986. p.71-75, 3 refs.
- 87-745 485
Hustache, E. et al.: Salam LAMECH. Liste d'autorité de matières encyclopédique, collective et hiérarchisée. (Salam LAMECH. Collective and hierarchical authority list of encyclopedic subjects) Orig.fr. *Bull.Bibl.France* Vol 31, No 3, 1986. p.254-255
Introduction to LAMECH (Liste d'autorité de matières encyclopédiques, collection et hiérarchisée = Encyclopaedic collective and hierarchical subject authority list). It is primarily, with its 70 000 preferred terms, a reference tool for indexing. It originates in the work done in France by the BPI and the Bibliothèque Nationale after the French translation of LCSH by the University of Laval in Quebec. The main access to the list should be through an online databank hosted by SUNIST. Its management is done by the National Centre for Coordination and Subject Indexing. The software ALEXIS is used for access and updating. (Author, abbrev.)
- 87-746 485
Liu-Lengyel, H.-Y.: The development and use of the Chinese Classification System. Orig. en.
Int.Lib. Rev. Vol 18, No 1, 1987. p.47-60, 16 refs.
- 87-747 485
Parmentier, P.: Bon ou mauvais genre: la classification des lectures et le classement des lecteurs. (Of good or bad kind: the classification of lectures and the classing of lecturers) Orig.fr. *Bull.Bibl.France* 31(1086)No 3, p.202-223, 16 refs.
- 87-748 485
Stempnyak, E.: The vocabulary of the subject heading language of the National Library in Warsaw. Orig. ru.
Predmet.póisk v tradits.i netradits.inform.-póisk.sistemakh, No 6, 1986. p.70-91, 27 refs.
- 87-749 486
Bondar', V.V.; Kristal'nyj, B.V.: Prospects for improved use of the ISTIS Subject Heading List by capitalising on the Soviet experience with subject heading lists. Orig. ru.
Probl.inform.Sistem (1986)No 1, p.29-33
- 87-750 486
Skolek, Ya.: Use of the ISTIS subject heading list in Czechoslovakia's scientific and technical information system. Orig. ru. *Probl.inform.Sistem*, No 1, 1986. p.3-5
- 87-751 486
Paskhina, N.I.: VINITI's Subject Heading List as a tool of information support of computerised STI system tasks. Orig.ru. Moskva, SU: VINITI 1986. 62p.
- 87-752 487
Molewski, K.: Internationale Patentklassifikation auf den DIN-Normen. Einteilung der Technik mit Hilfe von 58.500 Symbolen. (International Patent Classification on DIN-Standards. The division of technology by 58.500 symbols) Orig. de.
DIN-Mitt. u.Elektronom Vol 65, No 11, 1986. p.566-568
- 87-753 617
Kostetskaya, N.P.; Shtern, I.B.: On some linguistic tools for representation of conceptual relations in subject areas. Orig.ru. Kiev, SU: Kiev University 1986. 8p., 4 refs.
Consideration of linguistic tools designed for structuring of information objects in the subject area of cybernetics.
- 87-754 6265
Mishchenko, G.L.; Egorova, T.A.: The differentiating ability of a modified organic compound indexing language. Orig. ru.
Nauchn.-tekhn.inform., Ser.2, No 5, 1986. p.30-32, 3 refs.
- 87-755 636
Pozhariskii, D.F.: Facet-categorical scheme as a tool for improving the linguistic system. (Orig.ru, transl.into en). *Autom.doc.& mathemat.linguistics* Vol 19, No 3, 1985. p.32-39, 15 refs.
The scheme has been used for integrating the linguistic components at the information centers of the Ministry of Geology of the USSR.
- 87-756 649
Querel, L.: La mise en ligne d'EMILIE: élaboration d'un thésaurus, choix d'un centre serveur. (Elaboration of the thesaurus EMILIE) Orig.fr. Paris, FR: Institut National des Techniques de la Documentation 1986. 58p.
The thesaurus MILIE is to serve the databanks of standards for the emission of pollution in industrial countries.
- 87-757 649
Valivichova, A.: Topical problems of indexing languages in the INFORMOOS automated system. Orig. sk.
Knizn. a ved.inform. Vol 18, No 3, 1986. p.115-118, 1 refs.
The article is concerned with the indexing language used in VINITI's Environment Protection databases.
- 87-758 662
Gogolin, W.: Nutzung und Pflege des Thesaurus Politik im Staatlichen Filmarchiv der DDR. (Use and maintenance of the thesaurus political science in the governmental film archives of the GDR) Orig.de. *Archiv-Mitt.* Vol 37, No 2, 1987. p.62-63
- 87-759 662
Hesser, G.: Beschreibung von Tätigkeiten, Arbeitsobjekten und -instrumenten des Sachgebiets "Parlamentsdokumentation" innerhalb des Informationsdienstes der Landtagsverwaltung von Baden-Württemberg. (Description of activities, objects and devices of the subject field "parliament documentation" within the information service of the State Administration of Baden-Württemberg) Orig.de. *Mitt.Fachgruppe 6*, Stuttgart, No 12, 1986. p.65-77
- 87-760 662
Reinhold, D.: Thesaurus-Probleme bei Erschließungsarbeit und Registerfertigung im Parlamentsarchiv. (Thesaurus problems in subject analysis and indexing in parliament archives) Orig.de. *Mitt.Fachgruppe 6*, Stuttgart, No 12, 1986. p.45-52
- 87-761 6657
Howard, J.H.: Book review of: Viet, J. (Comp.): Macrothesaurus for information processing in the field of economic and social development. 3rd ed. New York: UN 1985. 347p. Orig. en.
Cat.& Classif.Quart. Vol 7, No 2, 1986. p.126-127
- 87-762 676
Love, D.M.: The design of a computerised component coding and classification system for production applications. Orig. en.
In: Int.Conf.Comput.Aided Prod.Eng. Bury St.Edmunds. 1986. p.223-230, 9 refs.
- 87-763 676
Kalupkin, I.B.: Classification indices, normative base of functioning of factory computer-based production control system. Orig.ru. *Klassifikatory i dok.*, No 1, 1986. p.5-8
The main attention is devoted to a question of developing and maintaining classification codes built according to the All-Union Classifier of Industrial and Agricultural Products.
- 87-764 6817
Kazakov, E.A.; Zotova, N.M.; Kirsanova, N.V.; Zaks, A.I.; Klochkova, E.A.: The MSIS NIR indexing language: present status and development prospects. Orig.ru. *Probl.inform.Sistem.*, No 1, 1986. p.17-22, 6 refs.
- 87-765 683
Carissimi, A.da S.; Prates de Oliveira, Z.C.: The BIBLOS System: Control of the subject headings. Orig. pt.
Rev.Bibl.Bras. Vol 13, No 1, 1985. p.87-93, 4 refs.
At the Data Processing Centre of the Federal University of Rio Grande do Sul, Brazil, a Portuguese translation of the Thesaurus of Computing Terms of Britain's National Computing Centre is used.
- 87-766 6834
Schulz, A.: Ein Klassifizierungs- und Bewertungsschema für Software-Engineering-Werkzeuge, insbesondere für CAS-Systeme. (A classification and evaluation scheme for software-engineering tools, especially for CAS-systems) Orig.de. *Angew.Informatik*, No 5, 1986. p.191-197, 22 refs.
- 87-767 6918
Jiaju, M.: The function and formation of semantic systems. A new Chinese thesaurus of synonyms. Orig.en. *Multilingua* Vol 5, No 4, 1986. p.205-208, 6 refs.
The Chinese Thesaurus of synonyms classifies about 70 000 words into three grades: the first consists of twelve, the second of 94 and the third of 1.428 classes.

7 CLASSIFICATION AND LANGUAGE

71 General Problems of Natural Language

715 ARTIFICIAL INTELLIGENCE

87-768 715
Beckermann, A.: Kann die künstliche Intelligenz-Forschung Fragen der Philosophie beantworten? (Can artificial intelligence research answer questions of philosophy?) Orig.de. In: Stoyan, H. (Ed.); Ges.f.Informatik. FA 1.2 Künstliche Intelligenz und Mustererkennung. Bonn, GWA1-85; Berlin, DE: Springer 1986. p.2-25, 10 refs.

87-769 715
Hilker, E.: Artificial intelligence: a review of current information sources. Orig.en. Collect.Build. Vol 7, No 3, 1986. p.14-30, 21 refs.

87-770 715
Hölzl, J.: Book review of: Dreyfus, H.L.: Die Grenzen künstlicher Intelligenz - was Computer nicht können. Königstein, FRG: Athenäum 1985. 373p. (Limitations of artificial intelligence - what cannot be done by computers) Orig. de. Forum Ware Vol 13, No 3-4, 1985. p.63-64

87-771 715
Scheffe, P.: Zur Rekonstruktion von Wissen in neueren Repräsentationssprachen der künstlichen Intelligenz. (On the reconstruction of knowledge in recent representational languages of artificial intelligence) Orig. de. In: Stoyan, H.(Ed.); Ges.f. Informatik. FA 1.2 Künstliche Intelligenz und Mustererkennung; Bonn: GWA1-85. Berlin, DE: Springer 1986. p.230-244, 27 refs.

87-772 715
Smith, Linda C.: Knowledge-based systems, artificial intelligence and human factors. Orig.en. Inform.Technol.& Inform.Use. London, GB 1986. p.98-110, 34 refs.

87-773 715
Teodorescu, J.: Artificial intelligence and information retrieval. Canadian Libr.J. 44(1987)No 1, p.29-32, 13+13 refs. The applicability of AI to question-answering systems is outlined on the following levels: Level of syntax, of semantics, of institutional pragmatics, of situational pragmatics and of performance. A list of the principal AI software for data base front-end systems is appended.

87-774 715
Wong, A.K.C.; Chiu, D.K.Y.: An event-covering method for effective probabilistic inference. Orig. en. Pattern Recognition Vol 20, No 2, 1987. p.245-255, 38 refs.

72 Semantics

87-775 721
Ineichen, H.: Einstellungssätze. Sprachanalytische Untersuchungen zur Erkenntnis, Wahrheit und Bedeutung. (Propositional attitudes. Analytic investigations into recognition, truth and meaning) Orig.de. München, DE: W.Fink Verl. 1987. 367p. Sentences with the verbs "to know", "to believe", "to mean", "to feel", "to hate", and "to want", etc. characterized the objects of the investigation which has been a habilitation work of 1983/84. Literature until 1982 was considered. The book is in three parts: 1) Epistemological and psychological problems of attitude verbs, 2) On the semantic interpretation of language expressions, 3) The logical form of attitude propositions as their semantic interpretation. These 3 parts comprise 19 chapters. Bibliography p.347-360. Indexes of persons and subjects.

87-776 722
Hillert, D.: Neurolinguistische Überlegungen zur mentalen Organisation von Wortbedeutungen. Argumente für eine interdisziplinäre Konzeption. (Neurolinguistic considerations on the mental organisation of word meanings. Arguments for an interdisciplinary conception) Orig.de. Muttersprache Vol 97, No 1-2, 1987. p.16-36, 89 refs.

87-777 722
Kuznetsov, A.M.: From component analysis to component synthesis Orig.ru. Moskva, SU: Nauka 1986. 125p.

87-778 722
Neshitov, V.V.: Word ranking by semantic load. Orig. ru. Nauchn.-tekhn.inform., Ser.2, No 4, 1986. p.20-25, 4 refs.

87-779 722
Ufimtseva, A.A.: Lexical meaning: The principle of semiological description of vocabulary. Orig.ru. Moskva: Nauka 1986. 240p. Discussion of problems involved in the semiological approach to lexical studies.

87-780 723
Barannikova, L.I. (Ed.): Semantic processes and their manifestation in different types of language. Orig. ru. Saratov, SU: Isdatel'stvo Universiteta 1985. 130p.

87-781 723
Trivison, D.: Tenn co-occurrence in cited/citing journal articles as a measure of document similarity. Orig.en. Inform.Process.& Management Vol 23, No 3, 1987. p.183-194, 17 refs. Tenn co-occurrences were measured in pairs of cited/citing research articles selected over the period 1971-1983 from a core literature in the field of information science. The study served to quantify terminology-relatedness. The results were extended to define an expected success rate of a matching procedure in one context of information retrieval. (Author, abr.)

87-782 725
Kasper, R.T.: A logical semantics for feature structures. Orig.en. In: Proceedings of the Conference, 24th Ann.Meet. Assoc.Comput.Linguistics, 10-13 June 1986, Columbia Univ., New York. Morristown, NJ 1986. p.257-266

87-783 728-71
Gerzymisch-Arbogast, H.: Zur Thema-Rhema-Gliederung in amerikanischen Wirtschaftstexten. (On the theme-rheme division in American economics texts) Orig.de. Tübingen, DE: G.Narr 1987 approx 300 p., ISBN 3-87808-346-7

73 Automatic Language Processing

87-784 731
Guenther, F.; Lehmann, H.: Verarbeitung natürlicher Sprache. Ein Überblick. (Natural language processing. A survey) Orig. de. Informatik-Spektrum Vol 9, No 3, 1986. p.162-173, 17 refs.

87-785 731
Korfhage, R.R.; Hemphill, Ch.: Retrieval linguistics. Orig. en. In: IEEE Workshop Lang.Autom. Silver Spring, MD 1984. p.176-7, 10 refs.

87-786 731
Sgall, P.: Linguistic problems of automatic text processing. Orig.cs. Ceskoslovenská Informatika Vol 28, No 10, 1986. p.273-275, 9 refs.

87-787 731; 141
Vaccari, E.; Delaney, W.: System theory as frame of reference in natural language processing. Orig. en. Systems Research Vol 3, No 3, 1986. p.111-122 A metalanguage to represent world knowledge and theoretical system knowledge is described and criteria for a semantic parsing based on a systems approach are outlined. The approach is applicable to a variety of natural language, which is restricted but not limited to one discourse domain. (Authors)

87-788 732
Belyaeva, L.N.: Recognition of term meanings in automated text processing. Orig.ru. In: Avtomatizir.sistemy pererab.tekst.inform.(ASPTI): Rep.nauch.tekhn.konf. L'vov, SU 1985. p.173-175

87-789 732
Bol'shakov, I.A.: Automated checking of compound-words accuracy Orig.ru. Nauchn.-tekhn.inform., Ser.2, No 2, 1986. p.28-31

87-790 732
Rodnyanskij, V.L.: On the role played by keywords in text understanding. Orig.ru. In: Psikholing.probl.semant.i ponimaniya teksta. Kalinin, SU 1986. p.106-114, 11 refs.

87-791 733
Bevzenko, E.A.; Zelenkov, Yu.G.: An algorithm for normalizing nominal phrases. Orig.ru. Vopr.inform.teorii i prakt., No 53, 1985. p.39-43, 2 refs.

87-792 733
Pashchenko, N.A.; Nikul'tseva, N.G.; Yarovenko, O.I.: Compiling and using stop-lists in automatic text processing. Orig. ru. Vopr.inform.teorii i prakt., No 53, 1985. p.101-114, 13 refs.

74 Grammar Problems

87-794 741
Sampson, G.: Book review of: Berwick, R.C.: The acquisition of syntactic knowledge. Cambridge, MA; London, GB: MIT Press 1985. XII, 368p. Orig. en. Comp.Linguistics Vol 12, No 3, 1986. p.216-217, 3 refs.

87-795 744
Belonogov, G.G.; Samodelkina, S.A.; Panova, N.S.; Ryzhova, E. Yu.; Khoroshilov, A.A.; Matveeva, E.G.: Word-formative classes of Russian words. Orig.ru. Nauch.-tekhn.inform., Ser.2, No 12, 1985. p.22-24

87-796 744
Bogushevich, D.G.: Unit, function, and level: Toward the problem of language unit classification. Orig. ru. Minsk, SU: Vyshejsk.shk. 1985. 116p.

87-797 744
Sowa, J.; Chen, P.P.; Freeman, P.; Salveter, Sh.C.; Schank, R.C.: Mapping specifications to formalisms. Orig.en. In: 4th Int. Conf. Entity-Relationship Approach. Silver Spring, MO 1985. p.100-101, 7 refs.

87-798 744
Zakatej, A.F.: Peculiarities of adjectival substantivisation in the scientific text. Orig.ru. In: Semant.i tipol.raznositem.yaz. Tashkent, SU 1986. p.89-95, 7 refs.

87-799 747
Dirven, R. (Ed.); Radde, G. (Eds.): Concepts of case. Orig.en. Tübingen, FRG: G.Narr Verlag 1987. 176p. The volume comprises 9 papers: 87-799a Welte, W.: On the concept of case in traditional grammars. 87-799b Fillmore, Ch.J.: A private history of the concept 'frame'. - 87-799c Dik, S.C.: Some principles of functional grammar. - 87-799d Starosta, St. A place for (Lexi-)case. - 87-799e Tarvainen, K.: Semantic cases in the framework of dependency theory. - 87-799f Anderson, J.: Case grammar and the localist hypothesis. - 87-799g Ikegami, Y.: 'Source' vs. 'goal': a case of linguistic dissymmetry. 87-799h Dahl, Ö.: Case grammar and prototypes. - 87-799i Newmark, P.: The application of case grammar to translation.

75 Question-Answering Systems, Online Techn.

87-800 751
Bryant, Ph.: Book review of: Cochrane, P.A.: Redesign of catalogs and indexes for improved online subject access: selected papers. Phoenix, AZ: Oryx Press 1985. Orig. en. Brit.J.Acad.Librarianship Vol 1, No 3, 1986. p.250-252
The review covers also the book by J.R.Mathews: Public access to online catalogs. 2nd ed. New York 1985.

87-801 751
Tauber, M.J.: Top down design of human-computer systems from the demands of human cognition to the virtual machine - an interdisciplinary approach to model interfaces in human-computer interaction. Orig.en. In: IEEE Workshop Lang.Autom.: Cognit.Aspects Inform.Process. Silver Spring, MD 1985. p.132-40, 13 refs.

87-802 751.07
Harter, St.P.: Online information retrieval. Concepts, principles, and techniques. Orig.en. Orlando, etc.: Academic Press 1986. 259p., ISBN 0-12-328456-2 (pbk) = Library and Information Science Series.

The book comprises the following 9 chapters: Introduction to online information retrieval. Languages for information retrieval. Database structure, organization, and research. Reference databases. The process of online searching. Effective communication. Search strategies and heuristics. Source databases. Trends, problems, and issues. There is a glossary and index.

87-803 752
Rakhlina, E.V.: Describing the "question-answer"-relationship. Orig.ru. Nauch.-tekhn.inform., Ser.2, No 2, 1986. p.24-28

87-804 752
Stul'pinas, R.B.; Tyalyashyus, E.Yu.: Natural language designing of dialogue systems' databases. Orig.ru. In: Dialog chelovek - EVM. Ch.2. Kiev, SU 1985. p.38-40, 1 ref.

87-805 753
Croucher, Ch.: Problems of subject access (II): User studies and interface design. Orig.en. Program Vol 20, No 2, 1986. p.211-224, 9 refs.

Discusses a research project in progress at Middlesey Polytechnic, UK. Subject access capabilities for an online library catalogue is to be developed. Implementation is to be on a BBC Mircocomputer with a computer-assisted learning software package from Acornsoft, called MICROTEXT.

87-806 753
Lamprecht, H.: Obersicht über dialogorientierte Sprachkonzepte für die Abfrage von Datenbanken durch Endnutzer. (Overview of dialogue-oriented language concepts for end-user interrogation of databanks) Orig.de. Informatik Vol 33, No 3, 1986. p.109-14, 34 refs.

87-807 753
Meunier, J.-G.; Bertrand-Gastaldy, S.; Lebel, H.: A call for enhanced representation of content as a means of improving online full-text retrieval. Orig. en. Int.Classif. Vol 14, No 1, 1987. p.2-10, 81 refs.
A typology of levels of representation is proposed (typographical, lexical, statistical, linguistic, semiotic and prag-

matic). These representations, obtained by means of a multiplicity of strategies (intra-sentence, intratextual, intertextual) applied to different units of information and interrelated, render the interaction between diverse users and the database more flexible and more adaptable. (Authors, abr.)

87-808 753
Sacks-Davis, R.: Performance of a multi-key access method based on descriptors and superimposed coding techniques. Orig. en. Inform.Systems Vol 10, No 4, 1985. p.391-403, 12 refs.

87-809 753.02
Wang, Ch.: The online catalogue, subject access and user reactions: a review. Orig.en. Libr.Rev. Vol 34, No 3, 1985. p.143-152, 46 refs.

87-810 753
Zaretskaya, E.M.: Semantic representation of the query. Orig.ru. In: Avtomatizir.sistemy pererab.tekst.inform.(ASPTI). L'vov, SU 1985. p.165-167

87-811 753.01.03
Byerly, G.: Online searching. A dictionary and bibliographic guide. Orig.en. Littleton, CO: Libraries Unlimited 1983. 288p., ISBN 0-87287-381-1

87-812 754
Bajkova, A.B.: A declarative-procedural approach to the description and processing of natural language time constructs. Orig.ru. In: Probl.sozdaniya i premeneniya dialog.inform.sistem v avtomatizir.sistemakh org.upr.Ch.1. Tallin, SU 1985. p.240-244, 2 refs.

87-813 754
Bertsch, E.: Optimierte Auswertung von Begriffsassoziationen in einer logik-orientierten Abfragesprache. (Optimal evaluation of concept associations in a logically-oriented retrieval-language) Orig.de. Angew.Informatik, No 2, 1986. p.80-84, 7 refs.

87-814 754
Force, R.: Online business file storage and retrieval. Orig.en. Online Rev. Vol 10, No 1, 1986. p.39-41

87-815 754
Kirsanov, B.S.; Kiselev, A.F.: A database interface supporting natural language communication. Orig.ru. In: Probl.sozdaniya i primeneniya dialog.inform.sistem v avtomatizir.sistemakh org.upr.Ch.1. Tallin, SU 1985. p.190-193, 3 refs.

87-816 754
Roesner, W.: DESPATH: an ER manipulation language. Orig. en. In: 4th Int.Conf.Entity-Relationship Approach. Silver Spring, MD 1985. p.72-81, 23 refs.

87-817 755
Bates, M.J.: Subject access in online catalogs: A design model. Orig.en. J.ASIS Vol 37, No 6, 1986. p.357-376

A model based on strikingly different philosophical assumptions from those currently popular is proposed for the design of online subject catalog access. Three design principles are presented and discussed: 'uncertainty' (subject indexing is indeterminate and probabilistic beyond a certain point), 'variety' (by Ashby's law of requisite variety, variety of searcher query must equal variety of document indexing), and 'complexity' (the search process, particularly during the entry and orientation phases, is subtler and more complex, on several grounds, than current models assume). An end-user thesaurus and a front-end system mind are presented as examples of online catalog system components to improve search success during entry and orientation. The proposed model is "wrapped around" existing Library of Congress Subject Heading-indexing. (Author, abr.)

87-818 755
Markov, V.I.: Processing of unfamiliar word-forms in online information systems. Orig.ru. In: Probl.sozdaniya i primeneniya dialog inform.sistem v avtomatizir.sistemakh org.upr.Ch.1. Tallin, SU 1985. p.245-249, 5 refs.

87-819 756
Gödert, W.: Klassifikationssysteme und Online-Katalog. Frau Dr.I.Dahlberg zum 20.2.1987. (Classification systems and the online catalogue) Orig.de. Z.f.Bibl.wes.u.Bibliographie Vol 34 No 3, 1987. p.185-195, 22 refs.
Demonstrates the value of classification principles to be used in online searching procedures.

87-820 756
Markey, K.: Class number searching in an experimental online catalog. Orig.en. Int.Classif. Vol 14, No 1, 1987. p.142-150, 7 refs.
Subject searchers' use of the class number search capability is featured. Failure analyses of class number searches demonstrated the ability of this search to retrieve items relevant to searchers' topics of interest. Based on the failure anal-

yses and searchers' interview comments, recommendations are provided for the improvement of class number searching in online catalogs, particularly the incorporation of a library classification schedule into the online catalog. (Author, abr.)

87-821 756
Rajkov, A.N.: Personal thesauri in an online information system. Orig.ru. In: Probl.sozdaniya i primeneniya dial.inform.sistem v avtomatizir.sistemakh org.upr.Ch.1. Tallin, SU 1985. p.64-68, 6 refs.

87-822 756
Zinov'ev, S.P.; Krivov, B.K., Sosin, E.V.: Thesaurus handling tools for query initiation and debugging in the Dialog-2 system. Orig.ru. Probl.inform.sistem, No 1, 1986. p.42-44

757 EXPERT SYSTEMS

87-823 757
Bobrow, D.G.; Mittal, S., Stefik, M.J.: Expert systems. Perils and promise. Orig.en. Communicat.ACM 29(1986)No 9, p.880-894, 34 refs.

87-824 757
Clancey, W.J.: Knowledge acquisition for classification expert systems. Orig.en. In: ACM'84. New York 1984. p.11-14, 19 refs.

87-825 757
Kumara, S.R.T.: Knowledge representation in expert systems via entity-relationships and its application. In: IEEE Proc.Int. Conf.Cybern.& Soc.. New York, NY 1985. p.495-500, 18 refs.

87-826 757
Ramsey, C.L.; Reggia, J.A., Nau, D.S., Ferrentino, A.: A comparative analysis of methods for expert systems. Orig.en. Int.J. Man-Machine Studies Vol 24, No 5, 1986. p.475-499, 74 refs.

87-827 757
Peyton, C.: An introduction to expert systems. Orig. en. J.Comput.Assist.Learn. Vol 1, No 1, 1985. p.25-32, 5 refs.

87-828 7578-13
Haux, R.: Expert systems in statistics. Some problems and some new views. Orig.en. In: Stoyan, H.(Ed.); Ges.f.Informatik. FA 1.2 Künstliche Intelligenz und Mustererkennung, Bonn, DE: GWA1-85. Berlin, DE: Springer 1986. p.313-322, 41 refs.

87-829 7578-5384
Pollitt, St.: CANSEARCH: An expert systems approach to document retrieval. Orig.en. Inform.Process.& Management Vol 23, No 2, 1987. p.119-138, 22 refs.

Provision of a computerized intermediary system to facility online document retrieval from large-scale data bases directly by users of the retrieved information. The system is called CANSEARCH and is designed to enable doctors to specify queries to retrieve cancer-therapy-related documents stored in the MEDLINE data base. The principle of search space abstraction was used, with menu selection from a touch terminal and encapsulated intermediary expertise using rule-based techniques programmed in PROLOG. (Author, abr.)

87-831 7578-82
Edmonds, E.: Expert systems and document handling. Inform.Process.& Management Vol 23, No 2, 1987. p.77-80, 6 refs. Tutorial paper.

87-832 7578-823
Davies, R.: Outlines of the emerging paradigm in cataloguing. Inform.Process.& Management 23(1987)No 2, p.89-98, 24 refs. Technological progress accompanied by rising user expectations and economic pressures could lead to a breakdown of the present paradigm in cataloguing principles. A knowledge engineering approach to cataloguing should assist in the development of an improved code. (Author, abr.)

87-833 7578-823
Vickery, A.; Brooks, H.M.: PLEXUS - the expert system for referral. Inform.Process.& Management Vol 23, No 2, 1987. p.99-117, 8 refs.

PLEXUS is an expert system designed as a referral tool to be used in public libraries. It was developed by the Central Information Service (CIS) at the University of London. It is meant to carry out the same kind of tasks as the human reference librarian does and should do it in a way which, if done by a human would be described as intelligent. The prototype system is restricted to gardening. The paper describes the knowledge base of PLEXUS, its representation, the control mechanism, and the working system as a whole. (Author, abr.)

87-834 7578-825
Borko, H.: Getting started in library expert systems research. Inform.Process.& Management 23(1987)No.2, p.81-87. Survey article about the exploratory work done at UCLA con-

cerning the applicability of artificial intelligence and expert systems for modeling the cognitive processes involved in cataloging.

76 Lexicon/Dictionary Problems

87-835 761
Armogathe, J.-R.: Analyse lexicographique et reflexion philologique: quelques reperes. (Lexicographic analysis and philosophic reflection: some points in common) Orig. fr. Method.Inform.Phil., No 1, 1985. p.69-75, 16 refs.

87-836 762
Markowitz, J.: Semantically significant patterns in dictionary definitions. Orig. en. In: Proceedings of the Conference. 24th Ann.Meet.Assoc.Comput.Linguistics, 10-13 June 1986, Columbia University, New York. Morristown, NJ 1986. p.112-119

87-837 762
Riško, A.: Infonnation lexicology. Orig. sk. Knižn. a ved.inform. Vol 18, No 3, 1986. p.102-106, 6 refs.

87-839 763
Belonogov, G.G.; Zagika, E.A., Kuznetsev, B.A., Novoselov, A.P., Panova, N.S., Ryzhova, E.Yu., Samodelkina, S.A., Shturman, Ya.P.: VINITI's automated dictionary service. Orig.ru. Vopr.inform.teorii i prakt., No 53, 1985. p.5-9

87-840 763
Bevzenko, E.A.: Compiling glossaries of word combinations using nonformalised texts. Orig.ru. Vopr.inform.teorii i prakt., No 53, 1985. p.31-38, 2 refs.

87-841 763
Gerd, A.S.: Fundamentals of scientific and technical lexicography. (How to compile a terminological dictionary). Orig. ru. Leningrad, SU: LGU 1986. 73p.

87-842 763
Sponholz, G.; Baitsch, H.: Genetische Beratung. Texte, Vokabular, Kategorien und ein Wörterbuch als Grundlagen der computerunterstützten Analyse. (Genetic counseling: texts, vocabulary, categories and a dictionary underlying computer-based analysis) Orig.de. Sprache u.Datenverarb. 9(1985)No 2, p.30-4, 11 refs.

87-843 763; 753
Vyshkovskij, G.L.: Principle of compiling an automated glossary of subject terms in online databanks. Orig.ru. Sb.tr./VNIi prikl.avtomatizir.sistem, No 2, 1985. p.84-89, 5 refs.

87-844 763
Wisniewski, J.L.: Compression of index term dictionary in an inverted-file-oriented database: some effective algorithms. Inform.Process.& Management 22(1986)No 6, p.493-501, 12 refs.

87-845 764
Garfield, E.: ISI's master list of title words provides a special perspective on science and scholarly activity. Pt.1: The Lexicography of the Unique Word Dictionary. Curr.Cont./Phys., Chem.& Earth Sci. Vol 26, No 27, 1986. p.3-8, 11 refs.

87-846 765
Kazakevich, O.A.: Automation of lexicographic operations. Automatic dictionaries: a review of foreign publications. Orig. ru. Nauchn.-tekhn.inform., Ser.2, No 9, 1985. p.25-29, 38 refs.

87-847 765
Kozachkov, L.S.: Categorical thesauri in data bases. (Orig.ru transl.into en). Automat.doc.& math.linguistics Vol 19, No 3, 1985, 18 refs.

87-848 767
Kolvenbach, M.: Lexikographische Datenbank (LEDA) - Ergebnis-Komponente. Überlegungen zu Verfahren auf der Basis eines vorhandenen Lexikons (DUDEN). (Lexicographic databank (LEDA) - results. Considering processes based on an available dictionary (Duden)) Orig.de. LDV-Info, Mannheim, No 5, 1985. p.90-136, 5 refs.

87-849 768-82
Blek, A.V.; Motylev, V.M.: New terminological dictionary. Orig.ru. Nauchn.-tekhn.inform., Ser.1, No 5, 1986. p.31

77 General Problems of Terminology

'87-851 77.07
Brons, U.: Book review of: Picht, H., Draskau, J.: Terminology: An introduction. Surrey, GB: The University of Surrey. 265p. Orig.en. Terminol.et Traduction Vol 3, 1986. p.125-128

87-852 77.08
Cousineau, M.-J. (Comp.): International directory of libraries

and documentation centers in terminology. (Title also in fr). Orig.en, Fr. Ottawa, Wien: Documentation Directorate. Department of State of Canada; Infotenn 1986. XIV,189p.

87-853 77.09
Simova, V.: Basic bibliographic concepts and their representation in terminological standards. Orig.sk. In: Bibliogr.zb., Martin, CSSR 1985. p.74-90, 17 refs.

87-854 77.92
Grinev, S.V.: On the activities of the methodological section of the Main Terminological Commission of the USSR State Committee for Standards. Orig.ru. Nauchn.-tekhn.inform., Ser.1, No 1, 1986. p.31-33

87-855 77.92
Spiegel, H.-R.: 25 Jahre Normenausschuß Terminologie (NAT) im DIN. (The Terminology Standardization Committee in the German Standardization Institute exists 25 years) Orig.de. DIN-Mitt. Vol 66, No 1, 1987. p.12-13

87-856 77.927
Rohaert, A.: Le bureau de terminologie du Parlement européen existe depuis 20 ans. (The European Parliament Terminological Bureau exists 20 years) Orig.fr. Terminol.et traduction, No 3, 1985. p.43-45

87-857 77.93
TermNet Partners/Reseau TermNet. Orig.en. TermNet News, No 15, 1986. p.15-30
List and description of 14 institutions, e.g. ALECSO, Tunisia; Handelshojskole Syd, Denmark; Ruhrgas, FRG with address, short history, aims, activities, holdings, equipment, guidelines for use, co-operation, projects, expectations from and contributions to TermNet.

87-858 77.99
Kuchinskaya, I.M.: On the need for terminology unification. Orig.ru. In: Teoriya i prakt.nauch.-tekhn.perevoda: Mezhdunarod.Konf. Moskva, SU 1985. p.100-101

87-859 77.99
Mikoni, S.V.: Problems of expanding the cognitive function of terminological standards. (Orig.ru transl.into en). Scient.& Techn.Information Processing Vol 11, No 4, 1985. p.26-27

87-860 77.99
Nesterov, P.V.: Scientific-technical terminology standardisation: results and problems. Orig.ru. Nauchn.-tekhn.terminol., No 1, 1986. p.1-6

87-861 77.99
Nizovtseva, S.A.: Possibilities and limits of standardisation in scientific and technical terminology. Orig.ru. In: Terminy v yaz.i rech.i. Gor'kij, SU 1985. p.32-38, 10 refs.

87-862 77.99
Shutova, V.K.: New state standards for terms and definitions. Orig.ru. Nauch.-tekhn.terminol., No 1, 1986. p.11-12

87-863 771
Baxmann-Krafft, E.-M.; Reihlen, H.: Sprache und Technik. (Language and technology) Orig. de. DIN-Mitt. 66(1987)No 1, p.11

87-864 771
Bungarten, T. (Ed.): Wissenschaftssprache und Gesellschaft. Aspekte der wissenschaftlichen Kommunikation und des Wissenstransfers in der heutigen Zeit. (The language of science and society. Aspects of contemporary scientific communication and knowledge transfer) Orig.de. Hamburg,DE: Akademion 1986. 445p. ISBN 3-925468-01-3

87-865 771
Chapovskij, A.Z.: The terminological work of the USSR Academy of Sciences at the present phase of scientific and technological progress. Orig.ru. Nauch.-tekhn.terminol. No 5,1986. p.1-3

87-866 771
Clemens, I.: La base de données bibliographiques. Un nouvel outil terminologique. (Bibliographic databases - a new terminological tool) Orig.fr. Documentaliste 24(1987)No 1, p.33-35

87-867 771
Felber, H.: Einige Grundfragen der Terminologiewissenschaft aus der Sicht der Allgemeinen Terminologielehre. (Some basic problems of terminology science seen from the point of view of general theory of terminology) Orig.de. Fachsprache 8(1986)No 3-4, p.110-123, 26 refs.

87-868 771
Sprissler, M. (Ed.): Standpunkte der Fachsprachenforschung. (Positions of special language research) Orig.de. Tübingen, DE: G.Narr Verlag 1986. 131p., ISBN 3-87808-761-6
Contributions by Th.Ickler, H.Kalverkämper, S.Wyler, L.Hoffmann, W.B.Hess-Lüttich.

87-869 772
Antonova, M.V.: The semantic status of the lexical units of subject terminology. Orig.ru. Nauch.-tekhn.terminol., No 3, 1986. p.17-20

87-870 772
Barzhitskaya, O.V.: Constructing names of entities in All-Union classifications of technical and economic information. Orig.ru Nauch.-tekhn.terminol., No 10, 1985. p.1-4

87-871 772
Bessonova, O.M.: Metaphor in a scientific context. Orig.ru. In: Probl.interpretatsii v ist.nauki i filos.. Novosibirsk, SU 1985. p.97-113, 24 refs.

87-872 772
Danilenko, V.P.: Linguistic goodness of standardised terminology. Term usage. Orig.ru. Nauch.-tekhn.terminol., No 3, 1986. p.1-4

87-873 772
Garfield, E.: ISI's master list of title words provides a special perspective on science and scholarly activity, Pt.2. Comparative etymology of neologisms and research fronts. Orig.en. Curr.Contents/Phys., Chem.& Earth Sci. 26(1986)No 28, p.3-10

87-874 772
Henne, H.: Sprache - Normung - Sprachkultur. (Language - standardisation - language culture) Orig.de. DIN-Mitt. Vol 66, No 1, 1987. p.14-18

87-875 772
Hirschman, L.: Discovering sublanguage structures. Orig.en. In: Grishman, R., Kittredge, R.(Eds.): Analyzing language in restricted domains. Sublanguage description and processing. Hillsdale, NJ: Erlbaum Assoc. 1986. p.211-234, 20 refs.

87-876 772
Kandelaki, T.L.: Ordering of borrowed terms and term elements. Term internationalisation. Orig.ru. Nauch.-tekhn.terminol., No 6, 1986. p.1-4, 6 refs.

87-877 772
Lachaud, M.: Aspekte der internationalen Terminologieangleichung. (Aspects of international unification of concepts and terms) Orig.de. Lebende Sprachen 31(1987)No 3, p.97-103, 19 refs.

87-878 772
Lashkova, G.V.: Specific features of abbreviation terms behaviour: a case study of the computer terminology in English and Russian. Orig.ru. In: Semant.protsessy i ikh proyavlenie v yazykakh raz.tipa. Saratov, SU 1985. p.65-70

87-879 772; 742
Lehrberger, J.: Sublanguage analysis. Orig.en. In: Grishman, R. Kittredge, R. (Eds.); Analyzing language in restricted domains. Sublanguage description and processing. Hillsdale, NJ: Erlbaum Assoc. 1986. p.19-38, 13 refs.

87-880 772
Möhn, D.: Book review of: Neubert, G. et al.: Das deutsche Fachwort in der Technik. Bildungselemente und Muster. Sammlung und Ratgeber für die Sprachpraxis. Leipzig: VEB Verl.Enzyklopädie 1984. (The special German term in technology) Orig.de. Special Language - Fachsprache Vol 8, No 3-4, 1986. p.185-186

87-881 772
Nemchenko, V.N.: On defining the concept of a term as an object of lexicographic description. Orig.ru. In: Terminy v yaz.i rech.i. Gor'kij, SU 1985. p.14-21, 21 refs.

87-882 772
Nemchenko, V.N.: Basic concepts of word-formation in terminology: a dictionary handbook. Orig.ru. Krasnoyarsk, SU: Izdatel'stvo Universiteta 1985. 204p.

87-883 772
Ovsyannikov, G.I.: Terms and extralinguistic factors. Orig.ru. In: Otrasi.terminol.i ee ekstraling.obuslovlennost'. Voronesh, SU 1986. p.53-60, 6 refs.

87-884 772
Starodubtseva, L.I.: The role of analogy in new word formation. Orig.ru. In: Semant. protsessy i ikh proyavlenie v yazykakh raz.tipa. Saratov, SU 1985. p.71-81, 15 refs.

87-885 772
Tkacheva, L.B.: Extralinguistic determinism of linguistic processes in terminology. Orig.ru. In: Otrasi.terminol.i ee ekstralingv.obuslovlennost'. Voronesh, SU 1986. p.3-14, 28 refs.

87-886 772
Wilss, W.: Wortbildungstendenzen in der deutschen Gegenwartssprache. Theoretische Grundlagen - Beschreibung - Anwendung.

(Word formation trends in contemporary German: Theoretical foundations, description, application) Orig.de. Tübingen, DE: G.Narr Verlag 1986. 329p., ISBN 3-87808-733-6

87-887 773
Goffin, R.: Les ouvrages terminographiques des Communautés Européennes. Essai de typologie. (Terminographical works of the European Communities) Orig.fr. Terminologie et Traduction, No 3, 1986. p.3-13

87-889 774
Aniyushkin, E.S.(Ed.): Disciplinary terminology and its extra-linguistic determinism. Orig.ru. Voronezh, SU: Izdatel'stvo Universiteta 1986. 156p.

87-890 775
Chukovenkov, A.Yu.: Concept classification as the basis for refining terminology in the study of computer-produced documents. Orig.ru. Sov.Arkhiv, No 5, 1985. p.20-28, 124 refs.

87-891 775
Janonis, O.: Towards bibliographical terminology ordering. Orig.li. Biblioteku darbas, No 5, 1986. p.28-30, 41, 7 refs.

87-892 775
Kandelaki, T.L.; Grinev, S.V.: Ordering of borrowed terms and term elements. Term evaluation criteria. Orig.ru. Nauch.-tekh.termirol., No 4, 1986. p.10-14, 4 refs.

87-893 775
Shelov, S.D.: On the principles of term numbering in terminological standards and collections of recommended terms. Orig.ru. Nauch.-tekh.Terminol., No 3, 1986. p.5-9

87-894 776
Bancos terminológicos. (Term databanks) Orig. es. Rev.esp.doc.cient. Vol 9, No 1, 1986. p.57-62, 11 refs.

87-895 776
Baudot, J.: Les banques de terminologie de l'avenir. (The future of terminology banks) Orig.fr. Meta Vol 31, No 2, 1986. p.153-158

87-896 776
Boucher, M.: Les banques de terminologie. (Terminology banks) Orig.fr. Documentation et Bibliothèques 23(1986)No 3, p.83-86

87-897 776
Grinev, S.V.: Compiling a disciplinary term databank. Orig.ru. Nauch.-tekh.termirol., No 11, 1985. p.9-12, 3 refs.

87-898 776
Infoterm: Preparation of the terminological data contained in E.Wüster's dictionary "The machine tool" for input into Eurodicautom. Orig.en. Terminologie et Traduction, No 3, 1986. p.29-43

87-899 776
Thomas, P. et al: The British term bank project. Orig.en. Terminologie et traduction, No 3, 1986. p.45-100, 17 refs.

87-900 776
Eick, Ch.F.; Lockemann, P.C.: Acquisition of terminological knowledge using database design techniques. Orig.en. SIGMOD Rec. Vol 14, No 4, 1985. p.84-94, 21 refs.

87-901 776
Tuovinen, S.: An example of terminological work organisation and term bank construction in Finland. Orig.ru. In: Teoriya i prakt.nauch.-tekh.perevoda. Moskva, SU 1985. p.218-221

87-902 776
Vollnhals, O.: TEAM: ein Systemüberblick. (TEAM: a review of system capabilities) Orig.de. Lang.et homme, No 59, 1985. p.70-73

87-903 777
Bayer, J.: Language planning in India: A perspective on the three-language formula. Orig.en. New Language Planning Newsletter Vol 1, No 3, 1987. p.4-5, 6 refs.

87-904 777
Singh, R.K.: ESP in India: developments in 1984 and 1985. Orig.en. Special Language - Fachsprache Vol 8, No 3/4, 1986. p.164-169, 33 refs.

87-905 777
Masri, S.: The terminological development in Malaysia. (An emphasis on the Bahasa Malaysia - Bahasa Indonesia (Language Council)). Orig.en. TermNet News, No 15, 1986. p.6-12

87-906 777
Malepin, V.L.; Lejchik, V.M.: Tackling theoretical and applied problems of terminology science by the Soviet public organisations concerned with scientific and technical translation and

terminology. Orig.ru. In: Teoriya i prakt.nauch.-tekh.perevoda. Mezhdunar.konf. Moskva, SU 1985. p.203-205

87-907 778
Grishman, R., Hirschman, L., Nhan, N.T.: Discovery procedures for sublanguage selectional patterns: Initial experiments. Orig.en. Comput.Linguistics 12(1986)No 3, p.205-215, 19 refs.

78 Subject-Oriented Terminology Work

87-908 78-12
Sidorova, T.N.: On quantitative characteristics of terminology in teaching systems. Orig. ru. Nauch.-tekh.inform., Ser.2, No 4, 1986. p.17-19, 8 refs.

87-909 78-17
Sokol'skaya, N.F.: On some peculiarities of the terminological system in the sublanguage of the "Automation and Cybernetics" field, with special reference to German technical texts. Orig.ru. In: Teoriya i praktika nauch.-tekh.perevoda: Mezhdunar.konf. Moskva, SU 1985. p.212-213

87-910 78-23
Mansouri, R.: Standardization and term selection at Iran University Press (IUP). Orig.en. TermNet News, No 15, 1986. p.4-6

87-911 78-252/3
Alber-De Wolf, R.: Etude sur la création néonymique. Analyse comparée des procédés morphologiques et morphosyntaxiques de formation des termes du domaine de la spectroscopie en anglais, en allemand, en français et en russe. (Neonymic creativity. A comparative analysis of the most productive morphological and morphosyntactic term-formation processes in English, German, French and Russian in the field of spectroscopy) Orig.en, fr. In: Standardization of Technical Terminology. Principles and Practices. Actes du Colloque de l'ASTM, Toronto, 23 juin 1982. Toronto 1983. (Dissertation, Québec 1984).

87-912 78-415
Sager, N.: Sublanguage: linguistic phenomenon, computational tool. Orig.en. In: Grishman, R., Kittredge, R. (Eds.): Analyzing language in restricted domains. Hillsdale, NJ: Erlbaum Assoc. 1986. p.1-17, 11 refs.

87-913 78-512
Tekhvir, Yu.T.: A terminology of histological definitions in Estonian, Russian and English. Orig.ee. Tallin, SU: Valgus 1985. 108p.

87-914 78-53
Peterson, J.E.: Determination of the formal vocabulary of physicians through analysis of medical literature. PhD Thesis. Orig.en. Atlanta, GA: Georgia State University. College of Education 1984. 273p.

87-915 78-75
Mauer, L.V.: Semantic correlations of terms in a vocabulary subsystem. Orig.ru. In: Semant.i struktura slova. Kalinin, SU 1985. p.88-94, 12 refs.

87-916 78-82
Rückl, St.: Book review of: Essential problems in terminology for informatics and documentation: Frequency term lists. Moscow: VINITI 1982. Orig.de. Zbl.Bibl.wes. 100(1986)No 10, p.469-470

87-917 78-82
Grabova, A.Z.: The new state standard for bibliographic terminology. Orig.ru. Nauch.i tekh.biblioteki SSSR, No 9, 1985. p.26-30, 10 refs.

87-918 78-824
Duchain, M.: Les archives dans la Tour de Babel: problèmes de terminologie archivistique internationale. (Archives in the Tower of Babel: problems of international archival terminology) Orig.fr. Gaz.arch., No 129, 1985. p.103-113

79 Problems of Multilingual Systems

87-919 791
Boloshin, I.A.; Belonogov, G.G., Kuznetsov, B.A.: Problems in overcoming language barriers in multilingual database searches. Orig.ru. Probl.inform.sistem (1986)No.1, p.11-13

87-920 791
Clemens, I.: La base de données bibliographiques: un nouvel outil terminologique. (Bibliographic databases: A new terminology tool) Orig.fr. Lang.et homme, No 59, 1985. en, p.3-8

87-921 794
Nakayama, H.: Translation and adaptation of thesauri. Orig.pt. Ciencia da Inform. 15(1986)No 1, p.15-25, 26 refs.

