

# CLASSIFICATION LITERATURE 16(1989)No.2 (89-595 - 89-1024)

## 0 FORM DIVISIONS

01	Bibliographies	118
02	Literature Reviews	118
03	Dictionaries, Terminologies	118
04	Classification Systems & Thesauri (CS & T)	118
05	Periodicals and Serials	119
06	Conference Reports, Proceedings	119
07	Textbooks (whole field)*	-
08	Other Monographs (whole field)*	120
09	Standards, Guidelines	120

## 1 THEORETICAL FOUNDATIONS

11	Order and Classification	120
12	Conceptology in Classification	121
13	Mathematics in Classification	121
14	Systems Theory in Classification	121
15	Psychology and Classification	121
16	Development of Science and Classif.	121
17	Problems in Classification	121
18	Classification Research	121
19	History of Classification	121

## 2 STRUCTURE AND CONSTRUCTION OF CS & T\*\*

21	General questions of CS & T	122
22	Elements of CS & T	122
23	Construction of CS & T	122
24	Relationships	122
25	Numerical Taxonomy	122
26	Notation, Codes	-
27	Revision, Updating, Storage & Maintenance	123
28	Compatibility and Concordance between CS & T	-
29	Evaluation of CS & T	123

## 3 CLASSING AND INDEXING (METHODOLOGY)

31	Theory of Classing and Indexing	123
32	Subject Analysis	123
33	Classing and Indexing Techniques	123
34	Automatic Classing and Indexing	124
35	Manual and Automatic Ordering	124
36	Coding	-
37	Reclassification	124
38	Index Generation and Programs	124
39	Evaluation of Classing and Indexing	-

## 4 ON UNIVERSAL SYSTEMS

41	On Universal CS & T in General	-
42	On the Universal Decimal Classification (UDC)	124
43	On the Dewey Decimal Classification (DDC)	124
44	On the Libr. of Congr. Classif. (LCC) & LCSH	124
45	On the Bliss Classification (BBC)	-
46	On the Colon Classification (RCC)	125
47	On the Library Bibliographical Classif. (LBC/B&K)	125
48	On Other Universal Systems	125
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	lj	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	-
62	On CS & T in the Energy and Matter Area 2	-
63	On CS & T in the Cosmos and Earth Area 3	125
64	On CS & T in the Bio Area 4	125
65	On CS & T in the Human Area 5	125
66	On CS & T in the Socio Area 6	-
67	On CS & T in the Econ. & Production Area 7	126
68	On CS & T in the Science & Inform. Area 8	126
69	On CS & T in the Humanities Area 9	126

## 7 CLASSIFICATION AND LANGUAGE

71	General Problems of Natural Language	126
72	Semantics	126
73	Automatic Language Processing	127
74	Grammar Problems	127
75	Question-Answering Systems, Online Techniques	127
76	Lexicon/Dictionary Problems	129
77	General Problems of Terminology	129
78	Subject-Oriented Terminology Work	130
79	Problems of Multilingual Systems	-

## 8 APPLIED CLASSING AND INDEXING (C & I)

81	General Problems of Applied C&I	130
82	Data C&I	-
83	Title C&I	-
84	C&I of Primary Literature (Except 85)	130
85	Book Indexing	131
86	C&I of Secondary Literature	131
87	C&I of Non-Book Materials	131
88	C&I in Subject Fields	131
89	free	-

## 9 CLASSIFICATION ENVIRONMENT

91	Organization Problems in general	131
92	Persons and Institutions in Classif. & Indexing	131
93	Organisation on a National & Internat. Level	131
94	free	-
95	Education and Training in Classif. & Indexing	131
96	free	-
97	Economic Aspects in Classif. & Indexing	-
98	User Studies	-
99	Standardization in Classif. & Indexing	131
	Personal Author Index	132

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. I2(1985)No.3, p.147-151

There are abstracts in our holdings to almost all of the references cited. We offer to send copies of these abstracts to anybody interested. Please write to the Editorial Office.

## 0 FORM DIVISIONS

### 01 Bibliographies

- 89-595 012  
Wellisch, H.H.: Indexing and abstracting: a current-awareness bibliography. Part 7. Indexer Vol 16, No 3, 1989. p.181-188  
Comprises 114 references with terse abstracts in a systematic order.
- 89-596 016  
Bies, W.: Book review of Kapur, Sh.: Classification and cataloguing. A select bibliography. New Delhi: Harmann Publ.House 1988. 392 p. Int.Classif. Vol 16, No 1, 1989. p.44-45
- 89-597 016.3  
Pinto, M.M.: Sources for the study of document indexing: a selective annotated bibliography. Orig. es.  
Rev.esp.doc.cient. Vol 11, No 2, 1988. p.177-239
- 89-598 016.752  
Mitev, N.N.; Efthimiadis, E.N.: A classified bibliography on online public access catalogues. Brit.Lib.Res.Papers, No 23, 1988. 171p.
- 89-599 016.78  
Hidden glossaries. Int.Classif. Vol 16, No 1, 1989. p.40  
Lists 15 glossaries published at non-expected places.

### 02 Literature Reviews

- 89-600 021  
Vizine-Goetz, D.; Markey, K.: Subject access literature 1987  
Libr.Resources & Techn.Serv. Vol 32, No 4, 1988. p.337-351  
The comprehensive survey is subdivided as follows: General works - Classification: Organization, history, theory, and method - Classification systems - Subject headings and the Library of Congress - Subject authority control through LCSH - Subject searching in online catalogs - Other subject heading systems and subject access approaches.
- 89-601 026.34  
Vieria, S.B.: Automatic and manual indexing: a literature review. Orig.pt. Ciencia da Inform. Vol 17, No 1, 1988. p.43-51, 100 refs.

### 03 Dictionaries, Terminologies

- 89-602 032  
Gorkova, V.I. et al. (Comp.): Essential problems in terminology for informatics and documentation. Terminological dictionary of information sciences (English-Russian-German-French-Spanish). Moskva: VINITI 1988. 134p., FID 671  
The dictionary includes 1960 terms and consists of two parts. Pt.1 is an alphabetical list of English terms with equivalences in Russian, German, and French; Pt.2 contains alphabetical indexes (to the numbers terms of Pt.1) in Russian, German, French and Spanish. There are no definitions and no codes leading to a classification scheme. In the appendix a juxtaposition of the outlines of the four leading abstract journals in the field is given, namely ISA, LISA, Pascal Thema, and Informatics Abstracts.

### 04 Classification Systems & Thesauri

- 042 THE UNIVERSAL DECIMAL CLASSIFICATION
- 89-603 042.1-cs  
Ustredi Vedeckych, Technickych a Ekonomickych Informaci(UVTEI): Czechoslovak Full UDC Edition, Class 65. Orig.sk. Bratislava, CSSR: Slovenska technicka kniznica 1988, 120p.
- 89-604 042.1-es  
Asociación Española de Normalización Certificación (AENOR): Clasificación Decimal Universal, tablas completas: 2a edición en español. O Generalidades. (2nd Spanish Full UDC edition. Class 0: General Items) Orig. 85p. Madrid (28010): AENOR. (Fernandez de la Hoz 52) 1988, Pts.4,500, ISBN 84-86688-17-5
- 89-605 042.1-pl-36  
2nd Polish Full UDC edition: 55 Geologia i nauki pokrewne. Meteorologia. Hydrologia. Orig.pl. Warszawa (00 926), Poland: IINTE (Zurawia 3/5) 1988, XV,214p., zl.1450
- 89-606 042.2-en  
British Standards Institution (BSI): BS 1000: Universal Decimal Classification. International Medium Edition. English text. Pt.2: 1988 Alphabetical subject index. Milton Keynes (MK14 6LE U.K.): BSI Sales, Linford Wood 1988.
- 89-607 042.3-n1  
Centrale Archief Selectiedienst; Stichting Nederlands Bureau voor Bibliotheekswezen en Informatieverzorging (NBBI): Universele Decimale Classificatie - tabellen. 15e druk. ((Abridged edition of) UDC tables, 15th printing) Orig.nl. Alphen aan den Rijn, NL: Samson Uitgeverij BV (P.O.Box 4, 2400 MA) 1988, FID 674
- 043 DEWEY DECIMAL CLASSIFICATION
- 89-608 043.1  
Comaromi, J.P. (Ed.); Beall, J., Matthews, W.E.Jr., New, G.R. (Eds.): Dewey Decimal Classification and Relative Index. Devised by Melvil Dewey. Edition 20. 4 vols. Albany, NY: Forest Press. OCLC - Online Computer Library Center 1989. 3,378p., ISBN 0-910608-38-5, -39-3, -40-7, 41-5  
Vol.1 begins with the general introduction, a description of the new features, a glossary and the publishing history of the DDC. The main part of vol.1 consists of 7 tables of auxiliaries with an introduction on their use and rules concerning relocations and reductions. There are also comparative tables and equivalence tables. Vols. 2 and 3 make up the schedules 000-599 and 600-999. Vol.4 has the relative index and the Manual - for the first time published together with the entire scheme.
- 047 LIBRARY BIBLIOGRAPHICAL CLASSIFICATION
- 89-609 047  
Breinessl, K.(Red.); Ministerium für Hoch- und Fachschulwesen. Method.Zentrum für wiss.Bibliotheken u.Informations- u.Dokumentationseinrichtungen: Bibliothekarisch-bibliographische Klassifikation (BBK/A). Übersicht der wichtigsten Sachstellen. Systematischer Teil. Adaptierte Fassung. (Library Bibliographical Classification. Survey of the most important divisions. Systematic part. Adapted version) Orig.de. Berlin, DD 1988. 224p., ISBN 3-86002-001-3  
The first volume contains a survey on the first three levels of abstraction of the Library Bibliographical Classification and three tables with auxiliaries for general concepts, technical concepts and geographic concepts.
- 89-609a 047.1-de-6: -7; -91/92  
Bibliothekarisch-Bibliographische Klassifikation: BBK/A; adaptierte Fassung; systemat.Teil. (Library-Bibliographical Classification: LBC/A; adapted version; systematic part) Orig.de. Berlin, DD: Method.Zentrum f.Wiss.Bibliotheken u.Informations- u.Dokumentationseinrichtungen 1988. 38+96+45p.  
Vols. 4.1 (Social Sciences altogether), Vol.4.3 (Economics) and Vol.5.2 (Literature, Linguistics, Belles Lettres)
- 048 SPECIAL CLASSIFICATION SYSTEMS AND THESAURI
- 89-609b 048-38  
Thesaurus of Engineered Materials. Metals Park, OH: Materials Information, ASM International 1988? and London (SWIY 50B) UK: Institute of Metals, Materials Information, (1 Carlton House Terrace).  
The thesaurus lists 5,100 main terms along with 30,000 cross references. It serves as the vocabulary authority for searching the Engineered Materials Abstracts (EMA) database or EMA in printed form.
- 89-610 048-46  
EUROVOC. Alphabetical Thesaurus. Thematical Thesaurus. 2nd ed. 2 vols. Orig.en, 309+146p. Luxemburg: Amt für amtliche Veröffentlichungen der Europäischen Gemeinschaften 1987. DM 68.- + 34.-, ISBN 92-77-25823-3; -24-1
- 89-611 048-46  
Norton, T.: CAB Thesaurus. 2nd ed. 2 vols. Orig.en. Wallingford, GB: CAB (Commonwealth Agricultural Bureau) International 1988.
- 89-612 048-519  
Sebastia i Salat, M.: Thesaurus d'història social de la dona. (Thesaurus of the social history of the woman) Orig.ca. Barcelona, ES: Generalitat de Catalunya. Departament de la Presidència. Comissió Interdepartamental de Promoció de la Dona 1988. 269p., ISBN 84-393-0931-7
- 89-613 048-55  
Thesaurus of psychological index terms. 5th ed. Hyattsville, MD: Amer.Psychol.Assoc. (P.O.Box 2710) 1988. 298p., \$65, ISBN 0-912704-67-5
- 89-614 048-657  
SPINES Thesaurus: A controlled and structured vocabulary for information processing in the field of science and technology for development. Vols.1 and 2. Orig.en. Paris: Unesco 1988  
Available in the USA from UNIPUB, 4611-F Assembly Drive, Lanham, MD.

89-615 048-73  
Thesaurus of Scientific, Technical, and Engineering Terms.  
2 vols in 1. Hemisphere: Science Information Resource Center  
1988. 841+376p.

89-615a 048-817  
NSF/NIH/DOE Keyword Thesaurus. Dallas, TX (75207): Rodman &  
Assoc. Inc. INFOMART (1950 Stemmons Freeway) 1988. 75p.  
The thesaurus is a classification system for research opportu-  
nities available from the federal government of USA based on  
terms used to identify opportunities by agency personnel, fa-  
culty and research administrators.

89-616 048-823  
Peniston, S. (Comp.): Thesaurus of information technology terms  
London, GB: Taylor Graham 1989. 410p. ISBN 0-947568-36-0

89-617 048.1  
VLB Schlagwort Verzeichnis Ausgabe 1988/89. (Subject headings  
list of the VLB = German list of books in print. 11th ed., 4  
vols.) Orig. de. Frankfurt: Verl. d. Buchhändler-Vereinigung.  
(Distr. by K.G. Saur, München, etc.) 1989. ca 8800 p., OM 424.-,  
ISBN 3-7657-1478-X  
Contains 613,742 entries and 54,172 references.

## 05 Periodicals and Serials

89-618 05.42  
Meink, P. (Ed.): UOC - OK - CDU Newsletter (1989) No. 1. 4/ann.  
Orig. en. FIO News Bull. Vol 39, No 3, 1989. 2p.  
Treats the following topics: Task Force on UDC System Develop-  
ment. New UDC Edition. News from the UOC Management Board.  
Persons in UDC: Alan Gilchrist. Questionnaire to UDC Users -  
Call for replies. Dates (Calendar).

89-619 05.77  
Prado, D. (Ed.): Terminomètre 1(1988) 3/ann. Orig. fr, es.  
Paris: Union Latine (14 Blvd. Arago, F-75 013) 1988. 48+48p.  
An information bulletin (half French, half Spanish) devoted to  
scientific and technical terminology, computer linguistics  
and dictionary editing with special reference to Latin-Ameri-  
can terminological problems and information exchange.

89-620 05.772  
Neoterm. Journal of the International Organization for Unifi-  
cation of Terminological Neologisms - IOUTN and World Bank of  
International Terms - WBTT. Orig. en, fr., No 5/6, 1987. 67p.  
The journal (in A5 format) contains articles in English and  
French mainly on internationalization and transnationalization  
of terminology. For the field of nuclear energy a juxtaposition  
of 37 terms in alphabetical order, however only terms  
from a-d, with their definition in English and equivalents in  
24 languages are given.

89-621 05.99  
National Information Standards Organization (NISO): Informa-  
tion Standards Quarterly. Orig. en. Vol 1, No 1 1988. Gaithers-  
burg, MD (20899): National Bureau of Standards. Administration  
101. Library E-I06 1989. 12p., ISSN 1041-0031  
Formerly "Voice of Z39" the new serial will start as a news-  
letter and will develop into a journal with articles, etc. ac-  
cording to "what NISO members and ISQ volunteers make it".  
Contributing editors are invited to help in editing certain  
features of the periodical. Topics of the serial: New develop-  
ments and trends in standards for library services, publishing  
and bookselling practices, and information services.

## 06 Conference Reports, Proceedings

See also 89-987

89-622 06.87-01-16  
Yates-Mercer, P.A. (Ed.): Future trends in information science  
and technology. Proceedings of the Silver Jubilee Conference  
of the City University's Department of Information Science,  
16 Jan. 1987. London, GB: Taylor Graham 1988. 123p.,  
ISBN 0-947568-20-4

Blaise Cronin wrote a review of the proceedings volume in the  
J. Librarianship 21(1989)No.1. She summarized shortly the 8 pa-  
pers (by Ch. Hildreth, T. Plume, B. Mahon, K. Sparck Jones, E.  
Scott, J. Meadows, D. Campbell and R. Summit).

89-623 06.87-03-1/4  
Papers from the 29th NFAIS Annual Conference, Arlington, VA,  
1-4 March 1987. Inform. Serv. & Use 7(1988)No 4-5, p.93-165

89-624 06.87-06-29/  
Okada, A.: Book review of Bock, H.H. (Ed.): Classification and  
related methods of data analysis. Amsterdam: North Holland  
1988. XV, 749p. J. Classif. 6(1989)No 1, p.121-125, 3 refs.

89-624a 06.87-06-28/1  
Beck, H.: Book review of Wissensorganisation im Wandel: Dezi-  
malklassifikation - Thesaurusfragen - Warenklassifikation.

Proc. 11. Jahrestagg. Ges. f. Klassif. Aachen 1987. Frankfurt: In-  
deks Verl. 1988. XI, 194p. Orig. de. Zbl. Bibl. wes. Vol 103, No 7  
1989. p.318-321, 3 refs.

89-625 06.87-06-29/1  
Strauch, D.: Book review of Wissensorganisation im Wandel: De-  
zimalklassifikation - Thesaurusfragen - Warenklassifikation.  
Proc. 11. Jahrestagung, Ges. f. Klassif., Aachen, 29 June - 1 July  
1987. Frankfurt: INDEKS Verl. 1988. 194p. Orig. de. Nachr. Dok.  
Vol 40, No 2, 1989. p.123-124

89-626 06.88-05-13  
Weinberg, B.H. (Ed.): Indexing: The state of our knowledge and  
the state of our ignorance. Proceedings of the 20th Annual  
Meeting of the Amer. Soc. of Indexers, New York City, May 13,  
1988. Orig. en. Medford, NJ: Learned Information, Inc. 1989.  
X, 134p., ISBN 0-938734-32-6  
Contains 10 papers, each with an introduction by the editor,  
and an Appendix. An index of 4 pages has been added.

89-627 Wellisch, H.H.: The literature of indexing. - 89-628  
Thomas, D.: Book indexing principles and standards. - 89-629  
Fetters, L.K.: Indexing software. - 89-630 Milstead, J.L.: Da-  
tabase design: indexing applications. - 89-631 Preschel, B.M.:  
Indexing for print, online, and CD-ROM. - 89-632 Brenner, E.H.:  
Vocabulary control. - 89-633 Anderson, J.D.: Indexing and clas-  
sification: File organization and display for information re-  
trieval. - 89-634 Croft, W.B.: Automatic indexing. - 89-635 Sa-  
racevic, T.: Indexing, searching, and relevance. - 89-636 Li-  
petz, B.-A.: The usefulness of indexes. - 89-637 Thomas, D.:  
History of the American Society of Indexers (Appendix).

89-638 06.88-06-1/2; 778  
Kromann, H.-P.; Thomsen, K.T.: Akzente der Fachsprachenforschung  
von heute und morgen. Bericht vom Kopenhagener Werkstattge-  
spräch, 1.-2. Juni 1988. (Highlights of special language re-  
search of today and tomorrow. Report on the Copenhagen Work-  
shop discussions, 1-2 June 1988) Orig. de. Terminologie et  
Traduction, No 1, 1989. p.137-160, 30 refs.

89-639 06.88-06-1/4; 143  
Tutyunnik, V.M. (Ed.): Informatics and the Science of Science:  
Proceedings of the 1st All-Union Conference, Tambov, 1-14 June  
1988. Orig. ru. Tambov, SU: Fil. Mosk. Instituta Kul'tury 1988.  
437p.

89-640 06.88-06-19/23; 124  
Boose, J.; Gaines, B.: Proceedings of the European Knowledge  
Acquisition Workshop (EKAW'88), Bonn, June 19-23, 1988. Orig.  
en. GMD-Stud., No 143, 1988. var. pag.  
The conference discussed the following problems: 1) Knowledge  
engineering techniques, 2) Learning systems and their role in  
expert knowledge modelling, 3) knowledge acquisition from  
texts, 4) ES validation.

89-640a Addis, T.R.; Bull, S.P.: A concept language for knowl-  
edge elicitation. - 89-641 Boose, J.H.; Shema, D.B., Bradshaw,  
J.: Recent progress in Aquinas: A knowledge acquisition work-  
bench. - 89-642 Recker, B.: Towards a concept for case-based  
knowledge acquisition. - 89-643 Aussenac, N.; Frontin, J., Sou-  
bie, J.-L.: MACAO: A knowledge acquisition tool for expertise  
transfer. - 89-644 Shaw, M.L.: Problems of validation in a  
knowledge acquisition system using multiple experts. - 89-645  
Bradshaw, J.; Young, R.: Shared causal knowledge as a basis for  
communication between expert and knowledge acquisition system.  
89-645a Cok, A.L., Jr.: Designing interactive expert classifica-  
tion systems that acquire experience information "optimally".  
89-646 Gaines, B.R.: Second generation knowledge acquisition  
systems. - 89-647 Gams, M.: A new breed of knowledge acquisi-  
tion. 89-647a Gappa, U.: GLASSIKA: A knowledge acquisition sys-  
tem facilitating the formalization of advanced aspects in  
heuristic classification. - 89-648 Jansen-Winkel, R.M.: WASTL:  
an approach to knowledge acquisition in the natural language  
domain. - 89-648a Johnson, N.E.; Tomlinson, C.M.: Knowledge  
elicitation for second generation expert systems. 89-649 Mus-  
sen, M.A.: Conceptual models of interactive knowledge-acquisi-  
tion tools. - 89-649a Schröder, S.; Niemann, H.; Sagerer, G.:  
Knowledge acquisition for a knowledge based image analysis sys-  
tem. - 89-650 Karbach, W.; Tong, X.: Filling in the knowledge  
acquisition gap: via KADS models of expertise to ZOEST-2 expert  
systems. - 89-650a Maulsby, D.L.; Witten, H.: Acquiring graphi-  
cal know-how: An apprenticeship model.

89-651 06.88-06-30/1  
Tkacheva, L.B.: Terminological support for scientific and tech-  
nological progress: Proceedings of a zonal workshop, 30 June  
- 1 July 1988. Orig. ru. Omsk, SU: Politekh. institut 1988. 184p.

89-652 06.88-08-28/1  
Koskiala, S.; Launo, R.: Infonnation - Knowledge - Evolution.  
Proceedings of the forty-fourth FIO Congress held in Helsinki,  
Finland, 28 August - 1 September 1988. Orig. en. Amsterdam-New  
York-Oxford-Tokyo: North-Holland 1989. 465p., FIO-Publ. 675  
This volume contains a selection of the papers which had been  
printed beforehand and given to the participants of the con-  
gress in 3 volumes at the conference. It also contains the  
contributions presented at the opening and closing sessions

and the summaries of the two panel discussions. The selection was governed by those contributions which highlighted new ideas research or developments in areas of current interest and importance to the future of information work and the profession. From Session (3) on "Content Analysis and description of documents" the following 10 papers (of 23 altogether) are listed here. The volume is concluded by a 2.5 page subject index.

89-653 Ingwersen, P.; Wormell, I.: Modern indexing and retrieval techniques matching different types of information needs. 89-654 Warner, A.J.: Linguistic theories for information retrieval. - 89-655 Endres-Niggemeyer, B.: Content analysis - a special case of text comprehension. - 89-656 Pao, M.L.: Retrieval differences between term and citation indexing. - 89-657 Hovi, I.: The cognitive structure of classification work. - 89-658 Moshoeshoe, M.M.: Content analysis and description of documents: evolution challenge. - 89-659 Scibor, E.; Scherbina-Samojlova, I.S.: A strategic approach to revising the Universal Decimal Classification. - 89-660 Ruge, G.; Schwartz, Ch.: Natural language access to free-text databases. - 89-661 Cazares, C.I.: Automatic indexing in Spanish language of Russian scientific and technical texts: a solution for Spanish-speaking researchers and specialists. - 89-662 Fujiwara, Y.; Lee, W.G.; Ishikawa, Y.; Yamagishi, T.; Nishitaka, A.: A dynamic thesaurus for intelligent access to research databases.

89-663 06.88-09-4/9  
Malige-Klappenbach, H.: Dritter internationaler Kongress europäischer Lexikographien. (3rd International Congress of European Lexicographers) Orig.de. Muttersprache 99(1989)No 1, p.82-3

89-664 06.88-09-4/9  
EURALEX Third International Congress (BUDALEX '88), Budapest, Hungary, 1988-09-04/09. Int.Classif. 16(1989)No 1, p.37

89-665 06.88-09-14/17  
Thesauri in the field of development studies. Seminar, Geneva, 14-17 Sept.1988. FID News Bull. Vol 39, No 5, 1989. p.37

89-666 06.88-09-21/22; 77.95  
Rencontre Internationale sur l'Enseignement de la Terminologie Geneva, Switzerland, 1988-09-21/22. Int.Classif. Vol 16, No 1, 1989. p.37-38

89-667 06.88-09-26/29  
11th CODATA Conference on Scientific and Technical Data in a New Era, Karlsruhe, FRG, 1988-09-26/29. Int.Classif. Vol 16, No 1, 1989. p.38

89-668 06.88-10-6/8  
Meeting on Conceptual Analysis and Artificial Intelligence, Clausthal, FRG, 1988-10-06/08. Int.Classif.16(1989)No 1, p.38-9

89-669 06.88-11-18/19  
Classification Theory in the Computer Age: Conversations Across the Disciplines. Proceedings from the conference, Nov. 18-19, 1988, Albany, NY. Albany, NY: University at Albany, Nelson A. Rockefeller College of Public Affairs and Policy 1989. 108p., ISBN 0-933581-07-0  
The conference was organized by R.S.Halsey, Dean of the School of Information Science and Policy of the University at Albany and P.J.Paulson, Executive Director, OCLC, Forest Press. The proceedings contain the papers as presented with one exception: instead of the first paper by R.R.Sokal, a paper of D. Batty was included. Also the conference invited students to hand in papers on the topic, the one by Joanne Holiday was chosen as the best one for inclusion. The papers are arranged according to the 3 themes of the conference: 1) Research in Classification, 2) The Computer Science-Classification Synergism, 3) Implications for theory and practice. They are: 89-670 Batty, D.: The future of DDC in the perspective of current classification research. - 89-671 Dahlberg, I.: Concept and definition theory. - 89-672 Travis, I.L.: Applications of artificial intelligence to bibliographic classification. - 89-673 Svenonius, E.: An ideal classification for an online catalog. - 89-674 Markey, K.; Demeyer, A.N.: The concept of common subject headings in subject outline searching. - 89-675 Williamson, N.: The Library of Congress Classification in the computer age. - 89-676 Scott, D.S.: Subject classification and natural-language processing for retrieval in large databases. 89-677 Miksa, F.: Shifting directions in LIS classification. 89-678 Mandel, C.: A computer age classification: Implications for library practice. - 89-679 Halsey, R.S.: Implications of classification theory in the computer age for educators of librarians and information science professionals. - 89-680 Holiday, J.: Subject access: New technology and philosophical perspectives.

89-681 06.88-11-18/19  
Williamson, N.: Classification in the computer age. Int.Classif. 16(1989)No.1, p.30-33  
Extensive report on a "first major conference on classification to be held in North America in some years".

89-682 06.89-01-4/7; 715  
Takane, Y.: Report on the Second International Workshop on Ar-

tificial Intelligence and Statistics. J.Classif. Vol 6, No 1, 1989. p.163-164, 3 refs.  
The Workshop took place at Ft.Lauderdale, FL and assembled 130 participants from 12 countries.

89-683 06.89-01-27  
Report on the Workshop of Programming Group 1 and Working Group 1 (of the Association for Terminology and Knowledge Transfer), Jan.27, 1989, Vienna. Orig. en. Mitt.Terminol.& Wissenstransfer, No 1/2, 1989. p.2-5  
The report contains the abstracts of three papers presented at the workshop, namely: 89-684 Oeser, E.: Typology of knowledge. - 89-685 Budin, G.: From term banks to terminological data banks. - 89-686 Mie, F.: Factual information systems - terminological problems, data structures, retrieval functions, user interface. -

89-687 06.89-03-2/4  
Conference on Intension and Extension. Int.Classif. Vol 16, No 1, 1989. p.34  
Short report on this conference organized by R.Wille from March 2-4, 1989 at Darmstadt Technical University.

89-688 06.89-04-10/12  
13th Annual Conference, Gesellschaft für Klassifikation eV. Orig.en. Int.Classif. Vol 16, No 1m 1989. p.34-35  
Preview of this conference including the program of 67 papers to be presented in 20 sessions at Augsburg University.

## 08 Other Monographs

See also 89-715, -717, -722, -723, -734, -786, -792, -793 -816, -833-835, -872, -881, -900, -904-5, -916, -922, -925 -943, -944, -957, -958, -993

89-689 08.3  
Bakewell, K.G.B.: Book review of Rowley, J.E.: Abstracting and indexing, 2nd ed. London: C.Bingley 1988. VIII, 181p., Indexer Vol 16, 1989, No 3, p.217-218

89-690 08.6  
Hoenigswald, H.M.; Wiener, L.F. (Eds.): Biological metaphor and cladistic classification: An interdisciplinary perspective. Orig.en. London, GB: Pinter 1987. XIV, 286p.  
89-691 Percival, W.K.: Biological analogy in the study of language before the advent of comparative grammar. - 89-692 Morpurgo, D.A.: "Organic" and "organism" in Franz Bopp. 89-693 Davis, B.H.: A legal point. - 89-694 Ruvolvo, M.: Reconstructing genetic and linguistic trees: phenetic and cladistic approaches. - 89-695 Wiener, L.A.: Of phonetics and genetics: A comparison of classification in linguistic and organic systems. 89-696 Wang, W.S.-Y.: Representing language relationships. 89-697 Hoenigswald, H.M.: Language and family trees, topological and metrical.

## 09 Standards, Guidelines

See also 89-1024

89-698 09.21  
DIN 1463. Teil 2. Entwurf: Erstellung und Weiterführung von Thesauri. Mehrsprachige Thesauri. (Draft of DIN 1463, Pt.2: Establishment and further development of thesauri. Multilingual thesauri) Orig.de. Berlin, DE: Beuth Verlag 1988. 36p., 6 refs.

89-699 09.31  
DIN 31 623. Teil 2: Indexierung zur inhaltlichen Erschließung von Dokumenten. Gleichordnende Indexierung mit Deskriptoren. (DIN 31623, Part 2: Indexing for the subject analysis of documents. Coordinate indexing with descriptors) Orig. de. Berlin, DE: Beuth Verlag 1988. 16p., 5 refs.

89-700 09.31  
DIN 31 623, Teil 3: Indexierung zur inhaltlichen Erschließung von Dokumenten. Syntaktische Indexierung mit Deskriptoren. (Indexing for the subject analysis of documents. Syntactical indexing with descriptors) Orig.de. Berlin, DE: Beuth Verlag 1988. 4 p., 5 refs.

# 1 THEORETICAL FOUNDATIONS

## 11 Order and Classification

89-701 112; 481  
Chen, J.: The natural structure of scientific knowledge: an attempt to map a knowledge structure. J.Inform.Sci. Vol 14, No 3, 1988. p.131-139, 4 refs.  
Proposal to derive knowledge from a bibliographic database.

89-702 113; 124  
Heyer, G.: Generic generalisations, discourse representation structures and knowledge representation. Orig.en. Sprache u.Inform., Tübingen Vol 19, 1988. p.153-164

## 12 Conceptology in Classification

See also 89-702 89-884

89-703 121  
Cocchiarella, N.B.: Predication versus membership in the distinction between logic as language and logic as calculus. Orig.en. Synthese Vol 77, No 1, 1988. p.37-72

89-704 121  
Marsal, D.: Logik, Bedeutung und Mathematik: Die Konstruktion einer Fundamentalsprache der Wissenschaften. (Logic, meaning and mathematics: The construction of a basic language of the sciences) Orig.de. Stuttgart: Schweizerbart'sche Verlagsbuchhandlung 1987. VIII,152p., 2 p.refs.

89-705 121  
Myhill, J.: Categoriality and clustering. Orig.en. Studies in Language, Amsterdam Vol 12, No 2, 1988. p.261-297, 3 p.refs.

89-706 122  
Bauer, G.: Book review of Ganter, B., Wille, R., Wolff, K.E. (Eds.): Beiträge zur Begriffsanalyse (Contributions to concept analysis). Mannheim, etc.: B.I.Wissenschaftsverlag 1987. 255p. Orig.en. Int.Classif. Vol 16, No 1, 1989. p.43-44

89-707 122  
Nedobity, W.: Concepts vs meaning as reflected by the works of E.Wiuster and L.Wittgenstein. Orig.en. Int.Classif. 16(1989)No. 1, p.24-26

89-708 1232  
Strehlow, R.A.: Definitions as database records. New York, NY: ASTM. (Available through NTIS) 1987. 20p., DE87014057/HCW

124 Knowledge Representation  
See also 89-640--650a 89-746

89-709 124  
Brachman, R.J.: The basics of knowledge representation and reasoning. AT & T Techn.J. Vol 67, No 1, 1988. p.7-24, 28 refs.

89-710 124  
Patel-Schneider, P.F.: A four-valued semantics for terminological logics. Artificial Intelligence Vol 38, 1989. p.319-351, 22 refs.

89-711 124  
Yannakoudakis, E.J.; Attar-Bashi, H.A.: The subject-object relationship interface model in database management system. J.Doc. Vol 45, No 1, 1989. p.25-48, 17 refs.

## 13 Mathematics in Classification

89-712 133  
Rudkevich, A.V.: Modelling uncertainties in a data retrieval system. Orig.ru. Moskva: NIJ Atom.Reaktorov. 1988. p.1-13, Preprint no.9/740

## 14 Systems Theory in Classification

89-713 144  
Terent'eva, L.N.: A systems-parametric model of scientific theory development. Orig.ru. Probl.filos., No 77, 1988. p.9-17, 12 refs.

## 15 Psychology and Classification

See also 89-933

89-714 151  
Bayer, U.: Ontologie und Semiotik - Ergänzungen zu Ynhui Parks "Erkennen und Sein". (Ontology and semiotics: additions to Y. Park's "Cognition and Being") Orig.de. Semiosis Vol 13, No 2, 1988. p.29-33

89-715 152  
Longuet-Higgins, H.Ch.: Mental processes: Studies in cognitive science. Orig.en. Cambridge, MA; London: MIT Press 1987. XIII, 424p., Explorations in Cognitive Science No.1

89-716 153  
Birkenbihl, V.F.: Sprache als Instrument des Denkens: Wie Sprache mein Denken beeinflusst. (Language as a thinking instrument. On the influence of language on the thinking process) Orig.de. Landsberg am Lech: MVG Verlag 1987. 32p.+cassette, 4p.refs.

89-717 153  
Gipper, H.: Das Sprachapriori: Sprache als Voraussetzung menschlichen Denkens und Erkennens. (The language apriori: Language as presupposition of human thinking and cognition) Orig. de. Stuttgart-Bad Cannstatt: Frommann - Holzboog 1987. 328p., 9p. refs., Problematika 110

89-718 156  
Hollnagel, E.: Cognitive models, cognitive tasks, and information retrieval. In: Knowledge Engineering: Expert Systems and Information Retrieval. London, 1987. p.34-52, 13 refs.

## 16 Development of Science and Classification

89-719 161  
Qian, W.: A definition of science as an antidote against either mystifying or demystifying science. Orig.en. Organon, No 22-23, 1986/1987(1988). p.115-162, 12 refs.

89-720 162  
Ogurtsov, A.P.: The disciplinary structure of science: Genesis and validation. Orig.ru. Moskva: Nauka 1988. 256p.

89-721 162; 232  
Soergel, D.: Organizing information for problem solving. Orig.en. Bull.ASIS Vol 13, No 2, 1987. p.24-25  
The development of an indexing language should be based on a closed logical structure of the subject field at hand.

89-722 1627  
Abramova, N.T. (Ed.): The unity of scientific knowledge. Orig.ru. Moskva, SU: Nauka 1988. 335p.

89-723 1627  
Kudryashchev, A.F.: Unity of sciences: the bases and the outlook. Orig.ru. Sverdlovsk: Izdatel'stvo Ural.Univ. 1988 183p.

89-724 163  
Marradi, A.: Naive epistemological realism and the superiority of propositional knowledge over non-propositional knowledge. Orig.en. Int.Classif. Vol 16, No 1, 1989. p.41-42

## 17 Problems in Classification

89-725 179; 313; 753; 812.213  
Schnelling, H.: Katalogverbund, Fremddatennutzung und Online-Benutzerkatalog: Aspekte einer Neuorientierung der Sacherschließung. (Cataloguing network, use of other libraries' cataloguing data and the OPAC: Aspects of a new orientation in subject analysis) Orig.de. Libri 38(1988)4, p.237-56, 51 refs.

## 18 Classification Research

89-726 185  
NATO Special Programme on Chaos, Order and Patterns: Aspects of Nonlinearity. Orig.en. NATO Science & Society Newsletter, No 18, 1988. p.4

89-727 187  
Nalimov, V.V.: The necessity to change the face of science. Orig.en. Int.Classif. Vol 16, No 1, 1989. p.3-10, 31 refs.

## 19 History of Classification

See also 89-823

89-728 191  
Soles, D.E.: Locke on ideas, words, and knowledge. Orig. en. Rev.intern.de Philosophie Vol 42, No 165, 1988. p.150-172

89-729 192  
Kovar, B.: Assessment of the development of retrieval languages in the second half of our century. Orig. cs. Knihovnictví bibliogr., Praha, No 4, 1987. p.57-69, 17 refs.

89-730 196  
Johnson, P.: Printed indexes to early British periodicals. Orig.en. Indexer Vol 16, No 3, 1989. p.147-155

89-731 196  
Burkhardt, H.: Modalities in language, thought and reality in Leibniz, Descartes and Crusius. Orig.en. Synthese Vol 75, No 2, 1988. p.183-215

89-732 196  
Burkhardt, H.: The Leibnizian "characteristica universalis" as link between grammar and logic. In: Speculative grammar, universal grammar and philosophical analysis of language. Amsterdam; Philadelphia 1987. p.43-63, 4 p.refs.

89-733 196  
Capozzi, M.: Kant on logic, language and thought. Orig.en. In: Speculative grammar, universal grammar and philosophical analysis. Amsterdam; Philadelphia 1987. p.97-147, 4p.refs.

89-734 196  
Dascal, M.: Leibniz: Language, signs and thought. A collection of essays. Amsterdam; Philadelphia: Benjamins 1987. XI, 203p. facs., 7p refs., Foundations of Semiotics Vol.10

- 89-735 196  
 Duchesneau, F.: Leibniz on the classificatory function of language. *Synthese* Vol 75, No 2, 1988. p.163-181
- 89-736 196  
 Pombo, O.: Leibniz and the problem of a universal language. Orig.en. Münster/W.: Nodus 1987. 321 p., *Materialien zur Geschichte der Sprachwiss.u.Semiotik*, Bd.3
- 89-737 198-93  
 Young, P.: Of music and indexing. Orig.en. *Indexer* Vol 16, No 3, 1989. p.177-180, 2 refs.

## 2 STRUCTURE AND CONSTRUCTION OF CS & T

### 21 General questions of CS & T

See also 89-820 -821 -824a -836

- 89-738 211  
 Müller-Lorentz, M.: Heilmittel oder Gift? Ober den Wert und Unwert von Thesauri. (Medicine or poison? On the value or uselessness of thesauri) Orig.de. *Cogito*, No 4, 1988. p.30-33  
 Investigation of the problems of synonyms and homonyms in three different thesauri from metallurgy, materials science and organic chemistry, of indexer consistency and of the use of Boolean logic.
- 89-739 217  
 Sosinska, B.: Functions of information retrieval languages. Orig.pl. *Zag.inform.nauk.*, No 1, 1987. p.37-52
- 89-740 218  
 Polonskij, V.M.: Implementation possibilities of the rubricator for an intensification of scientific and practical activities. Orig.ru. *Nauchno-tekhn.inform.*, Ser.1, No 9, 1988. p.17-19

### 22 Elements of CS & T

See also

- 89-741 222  
 Dunaev, V.V.: On rank distributions in classification. Orig.ru. *Nauchno-techn.inform.*, Ser.2, No 9, 1988. p.14-18, 8 refs.
- 89-742 222  
 Risko, A.: The problematics of subject headings. Orig. sk. *Knižnice ved.inform.* Vol 20, No 2, 1988. p.52-55
- 89-743 222  
 Landsdale, M.W.; Simpson, M.; Stroud, T.R.M.: Comparing words and icons as cue enrichers in an information retrieval task. Orig.en. In: Bullinger, H.J. et al. (Eds.): *Human-computer interaction - INTERACT '87*. Proc.2nd Conf., University of Stuttgart, 1-4 Sept.1987. Amsterdam: North-Holland 1987. p.911-6, 6 refs.
- 89-744 223; 723  
 Medvedev, A.A.; Mikhnovskij, S.D.: Problems in semantic-syntactic analysis of indicator descriptions. Orig.ru. *Nauchno-tekhn.inform.*, Ser.2, No 6, 1988. p.26-31, 6 refs.
- 89-745 225  
 Nahotko, M.: Methods for concept categorisation in indexing languages. Orig.pl. *Biul.inst.metal.niezsiaz.* Vol 22, No 1-4, 1987. p.130-139, 12 refs.

### 23 Construction of CS & T

See also 89-698 -721 -795 -849

- 89-746 232  
 Bruandet, M.-F.: Outline of a knowledge-base model for an intelligent information retrieval system. Orig.en. *Inform.Process.& Management* Vol 25, No 1, 1989. p.89-115, 32 refs.
- 89-746 232  
 Kristal'nyi, B.V.; Gendlina, I.E.: Design criteria for classificatory STI systems, with special reference to subject heading lists. Orig.ru. Moskva, SU: VINITI preprint 1988. 16p.
- 89-748 232  
 Satija, M.P.: Book review of Hunter, E.J.: Classification made simple. Aldershot, UK: Gower 1988. IX, 115 p. *Int.Classif.* Vol 16, No 1, 1989. p.49-50
- 89-749 233  
 Batty, D.: Thesaurus construction and maintenance: a survival kit. *Database* Vol 12, No 1, 1989. p.13-20
- 89-750 234  
 Celkova, L.: Lingware for the computer-based information system MISON. Orig.sk. *Inform.a riad.syst.* 12(1987)No 1, p.89-93

- 89-751 237  
 Gützer, U.; Jüttner, G.; Seegmüller, G.; Sarre, F.: Automatic thesaurus construction by machine learning from retrieval sessions. In: RIAO 88: *Recherche d'Information Assistée par Ordinateur*. Conference 1988-03-21, Cambridge, MA. 1988. p.587-96  
 Presentation of the TEGEN system of Munich Techn.University.
- 89-752 237; 243  
 Ahlswede, T.; Anderson, J.; Evens, M.; Li, S.M.; Neises, J.; Sumali Pin-Ngern, Markowitz, J.: Automatic construction of a phrasal thesaurus for an information retrieval system from a machine readable dictionary. Orig.en. In: RIAO '88: *Conference 1988-03-21, Cambridge, MA*. 1988. p.597-608

### 24 Relationships

See also 89-650a 89-752

- 89-753 243  
 Klaassen, U.: Van traditionale naar gebruiksvriendelijke bibliotheek. (From the traditional to a user-friendly library) Orig.nl. *Vlaam.ver.bibl.-arch.-doc.wezen* Vol 63, No 3, 1987. p.159-171  
 Description of the example of some German libraries which have created a thematic classification of their collections.
- 89-754 247; 343  
 Wang Integrated Image Systems (WIIS). Orig. de. *DIS* Vol 34/39, No 5, 1988. p.34-35  
 The WIIS system is supported by the PACE relational data bank management system.
- 89-755 247  
 Desai, B.C.; Goyal, P.; Sadri, F.: Updates in relational databases. In: AFIPS *Conf.Proc.*, Vol.55. *Natl.Comput.Conf.*, Las Vegas, NV, 16-19 June 1986. Reston, VA 1986. p.237-243
- 89-756 247  
 Leung, C.M.R.; Nussen, G.M.: Relational database design using the RIAM conceptual schema. Orig. en. *Inform.Syst.* Vol 13, No 2, 1988. p.219-227
- 89-757 247  
 Welzer, T.; Rozman, I.; Györkös, J.: The normalization of relational database. Orig.en. *Informatica* Vol 12, No 3, 1988. p.12-15, 8 refs.

### 25 Numerical Taxonomy

- 89-758 251  
 Critchley, F.: Book review of Powell, M.J.D.: Approximation theory and methods. Cambridge, UK: Cambridge University Press 1981 X, 339p. *J.Classif.* Vol 6, No 1, 1989. p.156-158
- 89-759 251  
 McDonald, R.P.: An index of goodness-of-fit based on noncentrality. *J.Classif.* Vol 6, No 1, 1989. p.97-103, 17 refs.
- 89-760 251  
 Murtagh, F.: Book review of Gaul, W., Schader, M.(Eds.): Data, expert knowledge and decisions. Heidelberg: Springer 1988. VIII, 380p. *J.Classif.* Vol 6, No 1, 1989. p.129-132, 17 refs.
- 89-761 252  
 Chang, W.-Ch.: Book review of Krzanowski, W.J.: Principles of multivariate analysis: A user's perspective. Oxford: Clarendon Press 1988. 563p. *J.Classif.* 6(1989)No 1, p.136-9, 3 refs.
- 89-762 252  
 Furnas, G.W.: Metric family portraits. *J.Classif.* Vol 6, No 1, 1989. p.7-52, 16 refs.
- 89-763 252  
 Giorfeld, L.W.; Fowler, G.C.: A multivariate methodology for simultaneously capturing and clustering judgement policies. *Decision Sci.* Vol 19, No 3, 1988. p.504-520, 43 refs.  
 Methods of judgement theory are discussed. The problem of clustering judgement policies is solved.
- 89-764 252  
 Milligan, G.W.: A validation study of a variable weighting algorithm for cluster analysis. *J.Classif.* Vol 6, No 1, 1989. p.53-71, 27 refs.
- 89-765 252  
 Nishitani, Sh.: Book review of Rijckevorsel, J.L.A.van, Leeuw, J.de (Eds.): Component and correspondence analysis. New York: Wiley 1988. XIII, 146p. *J.Classif.* Vol 6, No 1, 1989. p.140-144, 14 refs.
- 89-766 253  
 Anderson, C.: Book review of Israels, A.: Eigenvalue techniques for qualitative data. Leiden, NL: DWSO Press 1987. 302p. *J.Classif.* Vol 6, No 1, 1989. p.147-152, 6 refs.

89-767 253  
Bock, H.H.: Book review of Jain, A.K., Dubes, R.C.: Algorithms for clustering data. Englewood Cliffs, NJ: Prentice Hall 1988. XIV,320p. J.Classif. Vol 6, No 1, 1989. p.126-128, 19 refs.

89-768 253  
Critchley, F.: Book review of Press, W.H., Flannery, B.P., Teukolsky, S.A., Vetterling, W.T.: Numerical recipes: The art of scientific computing. Cambridge, UK: Cambridge University Press 1986. XX,818p. J.Classif. Vol 6, No 1, 1989. p.153-155

89-769 253  
Hathaway, R.J.; Davenport, J.W., Bezdek, J.C.: Relational duals of the c-means clustering algorithms. Pattern Recognition Vol 22, No 2, 1989. p.205-212, 16 refs.

89-770 253  
Hisdal, E.: A flexible classification structure. In: Fuzzy Logic in Knowledge-Based Systems, Decision and Control. New York NY: Elsevier Sci.Publ. 1988. p.11-68, 25 refs.

89-771 253  
Klein, R.W.; Dubes, R.C.: Experiments in projection and clustering by simulated annealing. Pattern Recognition Vol 22, No 2, 1989. p.213-220, 24 refs.

89-772 254  
Rousseau, P.; Sankoff, D.: The inference of hierarchical schemes for multinomial data. J.Classif. Vol 6, No 1, 1989. p.74-95, 8 refs.

89-773 258  
Dechter, R.; Pearl, J.: Tree clustering for constraint networks. Artificial Intelligence Vol 38, 1989. p.353-366, 25 refs.

89-774 258  
Sharabkchiev, U.T.: Comparison of two methods of the cluster analysis of bibliographic citations (bibliographic combinations and prospective connections). Orig. ru. Nauchno-tekhn.Inform., Ser.2 22(1988)No 4, p.25-28, 15 refs.

89-775 258-2; -4  
Ferligoj, A.; Maricic, S.; Pifat, G., Spaventi, J.: Cluster analysis of citation histories from an institutional setting. In: Inf.Res.: Res.Meth.Lib. and Inform.Sci. London 1988. p.174-200, 22 refs.

89-776 258-42  
Sokal, R.R.: Book review of Colwell, R.R., Grigorova, R. (Eds.): Methods in micorbiology. Vol.19: Current methods for classification and identification of microorganisms. London: Academic Press 1987. IX,518p. J.Classif. Vol 6, No 1, 1989. p.145-146

89-777 258-49  
Rohlf, F.J.: Book review of Legendre, P., Legendre, L.: Developments in numerical ecology. New York: Springer 1987. XI,585p. NATO ASI Series G: Ecological Sciences, Vol.14. J.Classif. Vol 6, No 1, 1989. p.133-135, 1 ref.

89-778 258-55  
Schmidt, H.: Clusteranalyse als Strukturanalyse. (Clusteranalysis as structure analysis) Orig.de. Int.Classif. Vol 16, No 1, 1989. p.15-23, 70 refs.

89-779 258-537  
Golden, R.: Book review of Blashfield, R.K.: The classification of psychopathology: Neokraepelinian and quantitative approaches. New York: Plenum 1984. IX,328p. J.Classif. Vol 6, No 1, 1989. p.159-161

89-780 258-544  
Artamonova, N.O.; Busygina, N.A., Gorbushin, N.G.: Cluster analysis for evaluation of interdisciplinary communications in medical radiology. Orig.ru. Nauchno-tekhn.Inform., Ser.2, Vol 22, No 5, 1988. p.24-27

89-781 258-826  
Rasmussen, E.M.; Willett, P.: Efficiency of hierarchic agglomerative clustering using the ICL distributed array processor. Orig.en. J.Doc. Vol 45, No 1, 1989. p.1-24, 42 refs.

89-782 259  
Carroll, J.D.; De Soete, G., Pruzansky, S.: An evaluation of five algorithms for generating an initial configuration for SINDSCAL. J.Classif. Vol 6, No 1, 1989. p.105-119, 19 refs.

## 27 Revision, Updating, & Maintenance

89-783 274; 45.6-56  
Foskett, D.J.: Thoughts on revising a bibliographical classification scheme. Orig.en. Int.Forum Inform.Doc. 14(1989)No 1, p.3-7, 10 refs.  
Examples are based on practical experience in preparing a revised version of Class J "Education" of Bliss Classif. 2nd ed.

Int.Classif. 15(1989)No.2 Classification Literature

## 29 Evaluation of CS & T

89-784 294  
Fidel, R.: Controlled vocabulary and free-text searching: searchers' selection of search keys. In: Proc.50th ASIS Annual Meeting, Boston, MA, Oct.4-8, 1987. Medford, NJ: Learned Information, Inc. 1987. p.71-73, 3 refs.

89-785 298-99  
Griffin, M.A.: Evaluating the use of Catholic subject headings in an academic library: a case study. Catholic Libr.World Vol 59, No 6, 1988. p.267-268, 3 refs.

## 3 CLASSING AND INDEXING

### 31 Theory of Classing and Indexing

See also 89-689-699 89-700 89-725

89-786 31.07  
Neet, H.E.: A la recherche du mot clé. (On the search for the keyword). Orig. fr.Genève, CH: Institut d'Etudes Sociales 1989. 187p., ISBN 2-88224-014-7

Contains 18 chapters treating the problems of an alphabetical catalog in general including also proper names, names of places as well as their permutation and discusses also those methods which have been installed in different countries, such as PRECIS, RSWK and the Répertoire d'autorité R.A.M.E.A.U.

89-787 313  
Berman, S.: Podium: stand up for better cataloging! Orig. en. Emerg.Lib. Vol 16, 1988. p.21-25

89-788 313  
Weinberg, B.H.: Book review of Robotti, F.O.: Indexing books and periodicals: guidelines for authors and indexers. New York: Fountainhead Publ.1987. 57p. Indexer Vol 16, No 3, 1989. p.204

89-789 318  
Damel, M.-Chr.: Passage d'un mode d'indexation avec un thésaurus: ses effets sur le système de recherche et d'accès aux documents. (The transfer from an indexing method with thesaurus: Its effects on the retrieval system and document access) Orig. fr. Paris: Inst.Natl.des Techniques de Doc. (1 rue Montgolfier, F-75003) Thesis. 1988. 43p.

89-790 318  
Dow, D.G.: Indexing and retrieval software: solving the integration puzzle. In: Optical Publishing and Storage: Products That Work. Proc.of Optical Publ.& Storage '87. Conf.on Applications... New York, Nov.11-13, 1987. Medford, NJ: Learned Information, Inc. 1987. p.31-36

### 32 Subject Analysis

89-791 322  
Schnelling, H.: Book review of Fidel, R.: Database design for information retrieval: a conceptual approach. New York: Wiley 1987. XV,232p. Int.Classif. Vol 16, No 1, 1989. p.48

89-792 324  
Krause, J.(Ed.): Inhaltsschließung von Massendaten. (Contents analysis of mass data) Orig.de. Hildesheim; Zürich; New York: Olms 1987. 248p., ISBN 3-487-07839-2

### 33 Classing and Indexing Techniques

See also 89-944

89-793 331  
Richter, N.: Grammaire de l'indexation alphabétique. (Grammar of alphabetical indexing. 3rd ed.) Orig.fr. Le Mans, Belgium: Bibliothèque de l'Université de Maine 1988. 165p., 35 refs., ISBN 2-904037-14-4

89-794 332  
Sipkova, E.: Contribution to the indexing of documents and how it should proceed. Orig.sk. Techn.Knihovna Vol 31, No 11, 1987. p.339-344, 12 refs.

89-795 333; 246  
Choros, K.: Relative indexing in a microcomputer-based information system. Orig.pl. Biul.Inst.metal.niezelaz Vol 22, No 1-4, 1987. p.69-79, 8 refs.

89-796 333  
Lüstorff, J.: Numerical Indexing bei INSPEC - eine problemorientierte Hostauswahl ist erforderlich. (Numerical indexing at INSPEC - a problem-oriented host selection is necessary) Orig. de. Nachr.Dok. Vol 40, No 1, 1989. p.39-44  
Since the beginning of 1987 documents of the INSPEC database include an additional field containing important numerical data obtained from the original paper. This field is inverted by

the hosts offering INSPEC in quite a different manner. This implies that depending on the kind of problem under consideration certain hosts are more suitable for online searching than others. (Author)

89-797 333  
Romaniuk, E.: MacIntosh-based keyword access to IEEE serial publications. *Communications IEEE* Dec.1988. p.411-6, 2 refs.

89-798 377  
Kohli, B.L.; Bedi, K.: PRECIS Indexing System. Orig. en. *Herald Libr.Sci.* Vol 27, No 3-4, 1988. p.195-202, 81+6 refs.

### 34 Automatic Classing and Indexing

See also 89-601 89-754 89-990

89-799 341  
Endres-Niggemeyer, B.: Book review of Lustig, G.(Ed.): Automatische Indexierung zwischen Forschung und Anwendung (Automatic indexing between research and application). Hildesheim: Olms 1986. 182p. Orig.en. *Int.Classif.* Vol 16, No 1, 1989. p.50-51

89-800 341  
Rau, L.F.: Generalization-based retrieval. In: *Advances in Artificial Intelligence-II.* New York: Elsevier Science Publishers 1987. p.83-92, 15 refs.

89-801 341  
Schneiling, H.: Book review of Salton, G., McGill, M.J.: Information retrieval: Grundlegendes für Informationswissenschaftler. Hamburg: McGraw-Hill 1987. 465p. Orig.en. *Int.Classif.* Vol 16, No 1, 1989. p.47  
The book is the translation of "Introduction to modern information retrieval" of 1983, translated by W.v.Keitz.

89-802 342  
Jappinen, H.; Niemisto, J.: Infections and compounds: some linguistic problems for automatic indexing. Orig.en. In: *RIA0'88. Conference, 1988-03-21.* Cambridge, MA, 1988. p.333-342

89-803 343; 715  
Driscoll, J.R.; Rajata, D.A.; Shaffer, W.M.; Thomas, D.W.: An application of artificial intelligence techniques to automated keywording. Orig.en. In: *RIA0'88. Conference 1988-03-21.* Cambridge, MA 1988. p.500-511

89-804 3432  
Krause, J.: Zur Wahl der Texterschließungskomponente für ein deutsches Patentinformationssystem - Kontroverses zur Bilanz v. D.Geib "Entwurf für ein deutsches Patentinformationssystem" in den NFD 5/1988. (The automatic indexing component of a German patent information system) Orig.de. *Nachr.Dok.* Vol 40, No 2, 1989. p.99-101, 8 refs.

89-805 344; 88-51/4  
Humphrey, S.M.: Interactive knowledge-based indexing: the Med-IndEx System. In: *RIA0'88: Conference 1988-03-21.* Cambridge, MA 1988. p.883-898

89-806 344; 88-51/4  
Humphrey, S.A.; Kapoor, A.: MedIndEx system: research on interactive knowledge-based indexing of the medical literature. Bethesda, MD: National Library of Medicine (available via NTIS) 1988. 158p., PB88-243902/HCW

89-807 344  
Wilson, J.: Machine-aided indexing for NASA STI. *Inform.Serv.& Use*, Vol 7, No 4-5, 1987. p.157-161

89-808 345  
Beck, H.: Deep Structure Indexing System (DSIS) - eine Alternative zu PRECIS? Bemerkungen zu neuen computerunterstützten verbalen Indexierungsmethoden. (An alternative to PRECIS? Comments on a new computer-supported verbal indexing method) Orig.de. *Zbl.Bibl.wes.* Vol 103, No 7, 1989. p.289-96, 11 refs.  
Comments on the string indexing methodology presented by F. Devadason in FID/CR Report No. 21 ("Computerized Deep Structure Indexing System").

89-809 345  
Biswas, S.C.: Two decades of POPSI, 1969-1988: a literature review. *Libri* Vol 38, No 4, 1988. p.279-296, 77 refs.

89-810 346  
Fuhr, N.: Models for retrieval with probabilistic indexing. *Inform.Process.& Management* 25(1989) No 1, p.55-72, 28 refs.

### 35 Manual and Automatic Ordering

89-811 355  
Schek, H.-J.: Book review of Tharp, A.L.: File organization and processing. New York: Wiley 1988. *Int.Classif.* Vol 16, No 1, 1989. p.48-49

### 37 Reclassification

89-812 378-51/4  
Baker, S.W.; Austin, V.R.; Clay, J.A.: Conversion of ICD-9 (International Classification of Diseases, 9th rev.) and ICPM (International Classification of Procedures in Medicine) Data to ICD-9-CM with adaptation to DRGs (Part B). Fort Sam Houston TX: Army Health Care Studies and Clinical Investigation Activity 1987. 111p., AD-A 189 996/3/HCW

### 38 Index Generation and Programs

89-813 381  
Kipetz, B.-A.: The usefulness of indexes. *Indexer* Vol 16, No 3 1989. p.173-176, 3 refs.

89-814 383  
Wojtala, J.: The use of the WANG microcomputer for the compilation of indexes to information materials. Orig.pl. *Bull.Inst. metal. niez. elaz.* Vol 22, No 1-4, 1987. p.236-237

89-815 383  
Broxix, P.F.: ASSIA: Applied Social Sciences Index & Abstracts - a new approach to social science information. Orig. en. *Int.Forum Inform.& Doc.* Vol 14, No 1, 1989. p.8-11

89-816 384  
Kimberley, R.(Ed.): Text retrieval: a directory of software. 2nd ed. Aldershot, GB: Gower 1987. various paging

89-817 385  
Whitehead, J.: Computerised indexing and retrieval systems. *Inform.Media & Technol.* Vol 22, No 2, 1989. p.64-75, 12 refs.  
Outline of considerations leading to the design and choice of systems.

89-818 388  
Bies, W.: Book review of Reinitzer, S., Gossler, M.: Nachschlagetechniken in der Wissenschaft (Reference techniques in science A practical instruction for the use of index- and abstracts works and their structure). Orig.en. *Int.Classif.* Vol 16, No 1 1989. p.46-47

## 4 ON UNIVERSAL SYSTEMS

### 42 On the Universal Decimal Classification

See also 89-618

89-820 42.213  
Meink, P.: Die Dezimalklassifikation auf dem PC. (The UDC on a personal computer. Pts.1 and 2) Orig.de. *OK-Mitt.* Vol 32, No 2 No 3, 1988. p.7-8; 9-11, 1 ref.

89-821 42.218 (FI); 42.6-71/2  
Rinne, R.: UDC in Finnish databases. HELECON system: economic databases. Orig.en. Paper presented at the 44th FIO Conference and Congress. UDC Preconference Seminar, Aug.27, 1988. 14p.

89-822 42.88-71/2  
Shopova, I.: Classifying library documents on economics according to UDC schedules, 1985. Orig. bg. *Bibliotekar* Vol 35, No 5, 1988. p.18-20

### 43 On the Dewey Decimal Classification (DDC)

See also 89-871a

89-823 43.19  
Kwatra, P.S.: Book review of Comaromi, J.P., Satija, M.P.: Dewey Decimal Classification: History and current status. New Delhi: Sterling 1989. VII, 178p. *ILA Bull.* 24(1988)No 3, p.169-170

89-824 43.4  
Sweeney, R.: Dewey Decimal Classification - Edition 20. *Outlook on Research Libraries* Vol 11, No 6, 1989. p.4-10

### 44 On the Library of Congress Classification

and on the Library of Congress Subject Headings

See also 89-871a

89-824a 44.213  
Williamson, N.J.: The Library of Congress Classification and the computer: research in progress. *Int.Cataloguing & Bibliographic Control* Vol 18, No 1, 1989. p.8-12, 12 refs.

89-825 44.753  
Huestis, J.C.: Clustering LC classification numbers in an online catalog for improved browsability. *Inform.Technol.& Libraries* 7(1988)No.4, p.381-393, 8 refs.

44B LCSH See also 89-924



89-826 448  
Studwell, W.E.: User-friendly subject access. LC subject heading system should be reshaped. Technicalities. 8(1988)p.10-11

89-827 448-2  
Studwell, W.E.: Subject suggestions 2: Some concerns relating to science. Cataloging & Classif. Quarterly Vol 9, No 1, 1988. p.121-127

89-828 448-66  
High, W.M.: Book review of: Legal LC. Subject headings Weekly Lists. Comp. by P. Enyingi. Littleton, CO: Publ. for the Amer. Assoc. of Law Libr. by Fred B. Rothman 1986. Catalog. & Classif. Quarterly Vol 9, No 1, 1988. p.148-149

89-829 448-92  
Studwell, W.E.: Subject suggestions 3: The form of name for literatures. Catalog. & Classif. Quarterly Vol 9, No 2, 1988. p.93-100, 1 ref.

89-830 448-925  
DeHart, F.E.; Matthews, K.: French fiction: LCSH applications. Catalog. & Classif. Quart. Vol 9, No 2, 1989. p.3-24, 14 refs.

89-831 448-984  
Dassa, R.: LC subject headings of interest to Judaica librarians. Orig. en. Jud. Libr., No 1, 1987-88. p.40-45

89-832 448-849  
Vélez-Vendrell, N.; Halverson, J.; Salas-Tull, L.: Evaluation of a program for assigning subject headings to local theses and dissertations. Catalog. & Classif. Quarterly Vol 9, No 2, 1988. p.81-92, 2 refs.

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

89-833 46.07  
Champawat, C.S.: Colon Classification: A practical study. 2nd ed. Orig. hi. Jaipur, IN: RBSA Publ. 1989. 410p.

89-834 46.07  
Dave, R.K.: Colon Classification system and classifier. Vol. 1. Orig. hi. Jodhpur, India: Kiran Publ. House 1988. XIV, 196p. Book review by R.N. Vashista in ILA Bull. 24(1988)No.3, p.170

89-835 46.07  
Satija, M.P.: Colon Classification. 7th edition. A practical introduction. Orig. en. New Delhi: Ess Ess Publ. 1989. 236p., 15 refs.

This introduction builds up on the former Manual of Practical Colon Classification published in 1984, it considers, however, all the changes having been introduced into the 7th ed. and using this edition naturally in all of the examples of all of the main classes of Colon Classification which make up the second half of the book (chapters 9-41). There is a short index and a select bibliography on the 7th ed. of the CC.

#### 47 On the Library Bibliographical Classif.

89-836 (LBC/BBK) 47.213  
Sukiasyan, E.R.: The classification system in conditions of automated retrieval. Int. Cataloging & Bibliographic Control Vol 18, No 1, 1989. p.13-15, 4 refs.

Assessment of the problem - A thesaurus or a classification system - Potential of the LBC - The electronic catalogue: boundless search potential - Conclusion.

89-837 47.91  
Stajkova, Ts.; Kolarova, Ts.: Introduction of LBC in the practice of the Bulgarian Academy of Science Central Library and library network. Orig. bg. In: Probl. spets. bibl.: Useversh. bibl. - bibliogr. dejnost. Sofia, BG 1987. p.162-174

#### 48 On Other Universal Systems

89-838 485.99  
Kelm, B.: Die Standardschlagwortliste als Schlagwortnormdatei der Deutschen Bibliothek. (The subject authority list as subject authority file in the German Library) Orig. de. ABI-Technik Vol 8, No 4, 1988. p.327-331

89-839 486  
Cooter, M.: Book review of Land, R. (Ed.): Canadian Thesaurus: a guide to the subject headings used in the 'Canadian Periodical Index' and 'CPI Online'. Toronto: Info Globe 1988. XIII, 465p. Orig. en. Indexer Vol 16, No 3, 1989. p.219

89-840 486  
Kristal'nyi, B.V.; Gendlina, I.E.; Glinski, V.A.; Zotova, N.M.; Kazakov, E.N.; Lobova, L.V.; Sharipova, L.V.: Development of local subject authorities based on the GASNTI subject authority. Orig. ru. Moskva: VINITI 1987. 19p.

89-841 486  
Kristal'nyi, B.V.; Gendlina, I.E.; Konstantinova, L.I.; Glinski, V.A.; Kazakov, E.N.; Zotova, N.M.; Krivoshepov, V.E.; Lobova, L.V.; Sharipova, L.V.; Grechishcheva, L.V.: Indexing by the GASNTI subject authority: Standard manual. Orig. ru. Moskva: VINITI 1987 14p.

The manual contains the rules for unified indexing of documents and requests by the GASNTI Subject Authority, compulsory for all information centers and GASNTI subsystems.

89-842 486  
Titova, V.A.; Pavlov, A.N.: Using the GASNTI subject authority in studying information needs. Orig. ru. Nauchno-tekh. inform., Ser. 1, No 8, 1988. p.12-13, 4 refs.

89-843 486  
Trawinski, B.; Ziolk, M.: The PKT for the indexing of periodicals in SPEC. Remarks on the application of the PKT for the indexing of periodicals. Orig. pl. Aktual. Probl. Inform. Dok. Vol 31, No 4, 1986. p.3-12

89-844 488; 753  
Dykstra, M.: Subject access and bibliographic instruction: two sides of the OPAC problem. Halifax, NS, Canada: Dalhousie University 1988. 93p., Occasional Paper No.45, ISBN 0-7703-9720-4

89-845 489  
Sopova, J.: Model outline for the systematic catalogue in children's libraries. Orig. bg. Bibliotekar, Sofija, Vol 35, No 1, 1988. p.17-22

## 6 ON SPECIAL SUBJECTS CS & T

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

89-846 632  
Bensaid, R.; Cartier, A.: Une première dans l'espace: un thésaurus au service de la communication. (First time in space: a thesaurus made for communication) Orig. fr. Aéronaut. Astronaut. France, No 133, 1988. p.73-76

89-848 6385  
Gorol, A.; Mlodozieniec, W.: Indexing language for the computerised information system at the Sectoral STEI Centre of the Institute for Non-Ferrous Metals (BOINTE IMN). Orig. pl. Biul. Inst. Metal. i Metalez. Vol 22, No 1-4, 1987. p.91-96, 5 refs.

### 64 On CS & T in the Bio Area 4

89-849 6412; 233  
Bellamy, L.M.; Bickham, L.: Thesaurus development for subject cataloging. Special Libraries 80(1989)No 1, p.9-15, 26 refs.

89-850 642  
Felentain, O.: Réorganisation du plan de classement du Centre technique de la salaison, dans le domaine de l'emballage et de la microbiologie. (Reorganization of the classification outline of the Centre Technique de la Salaison in the field of packaging and microbiology) Orig. fr. Paris: Inst. Natl. des Techniques de la Documentation (Promotion XVIII) 1988. 56p.

### 65 On CS & T in the Human Area 5

89-851 651/4  
Dubinina, E.J.: The current state and developmental trends of the IR thesaurus of the MEDIFORM system. Orig. pl. Biul. GBL Vol 33, No 340, 1987. p.48-55, 8 refs.

89-852 651/4  
Komorowski, H.J.; Greenes, R.A.; Barr, C.; Pattison-Gordon, E.: Browsing and authoring tools for a unified medical language system. Orig. en. In: RIAO'88. Conference 1988-03-21. Cambridge MA, 1988. p.624-641

89-853 6572  
Classifications professionnelles. (Classification systems of special professions) Orig. fr, de. Terminologie et Traduction, No 2/3, 1988

This special number contains 5 articles treating problems of classification and terminology of professions, viz.:

89-854 Matejovic-Scott, M.: A propos de la classification internationale type des professions de 1988 (CITP-88).

89-855 Wattiaux, J.-P.: Evolution de répertoire SEDOC des professions.

89-856 Maas-Chaveau, C.: Die französischsprachigen Berufsklassifikationen - Ein Überblick. (The French-language profession classification systems, a survey).

89-857 Sellin, B.: Die Entsprechungen der beruflichen Befähigungsnachweise - Eine Bestandsaufnahme. (Corresponding professional capabilities - A registration of given cases).

89-858 Maas-Chaveau, C.: Berufsbezeichnungen in der Textilindustrie Glossar Französisch-Deutsch. (Names of professions in textile industry. Glossary in French and German).

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

- 89-860 675  
Pinson, C.: Mise à jour dans le domaine des matériaux composites du thésaurus des Sciences et de la Technologie de la Construction et préparation de la mise en ligne. (Updating in the field of compound materials of the Thesaurus for Construction Science and Technology and preparation for its online utilisation) Orig.fr. Paris: INTD (Promotion XVIII) 1988. 106p.
- 89-861 6772  
Botnaru, R.V.; Popescu, A.N.; Rakhubo, N.P.: Classificational semantic features and general issues of classification. Orig.ru. Kishinev, SU: Kishinev.polotekh.institut. 1988. 12p.

## 68 On CS & T in the Science & Inform. Area 8

- 89-862 6822  
High, W.M.: Book review of: Standards Committee of the Rare Books and Manuscripts Section (ACRL/ALA) (Comp.): Printing and publishing evidence: Thesauri for use in rare book and special collections cataloging. Chicago: Assoc. of College & Research Libr. 1986. 28p. Catalog. & Classif. Quarterly Vol 9, No 1, 1988. p.140-141
- 89-863 6822  
Kuleshov, S.G.: Unpublished documents: the concepts and a classification. Orig.ru. Nauch. i tekhn. biblioteki SSSR, No 7, 1988. p.30-32, 4 refs.
- 89-864 6822  
Line, J.: Book review of Zinkham, H., Betz Parker, E. (Comp.): Descriptive terms for graphic materials: genre and physical characteristic headings. Washington, DC: Cataloging Distrib. Service, Libr. of Congress 1986. XXV, 135p. Indexer Vol 16, No 3, 1989. p.219-220
- 89-865 6822  
Line, J.: Book review of Betz Parker, E. (Comp.): LC thesaurus for graphic materials: topical terms for subject access. Washington, DC. Catalog. Distr. Serv., Library of Congress 1987. XXVI, 591p. Indexer Vol 16, No 3, 1989. p.219-220

## 69 On CS & T in the Humanities Area 9

- 89-866 692  
Harris, K.; Bell, K.: The subject approach to literature studies: A reassessment with an analysis of dissertation topics. Brit. J. of Acad. Librarianship 3(1988)No 2, p.99-106, 11 refs.
- 89-867 693  
Hell, H.: Musikalien im Schlagwortkatalog. (Musical scores in the subject heading catalogue) Orig.de. Forum Musikbibliothek, No 3, 1988. p.185-201
- 89-868 693  
Mesterhazi-Nagy, M.L.: Flexible musical classification schemes: suggestions for the extensions of the codes of the scheme. Orig.hu. Könyv. figy. 34(1988)No.1, p.78-88, 14 refs.
- 89-869 693  
Rubenstein, W.B.: A database design for musical information. SIGMOD Record (New York) 16(1987)No 3, p.479-490, 61 refs. Major focus has been development of tools to support a data model for music. Extensions to the entity-relationship data model are considered to implement the notion of hierarchical ordering, commonly found in musical data.
- 89-870 694  
Bearman, D.: Considerations in the design of art scholarly databases. Libr. Trends Vol 37, No 2, 1988. p.206-219, 8 refs. A major component of the database is the intellectual framework of the Art and Architecture Thesaurus.
- 89-871 694  
Markey, K.: Access to iconographical research collections. Library Trends Vol 37, No 2, 1988. p.154-174, 21 refs. Includes also a matrix of subject access.
- 89-871a 6967; 44; 43  
Iwaji, H.O.M.: Africana in LC and DO classification schemes: a need for an Africana scheme? J. Librarianship Vol 21, No 1, 1989 p.1-18, 11 refs.

## 7 CLASSIFICAT. AND LANGUAGE

### 71 General Problems of Natural Language

- 89-872 711  
Hurford, J.R.: Language and number: The emergence of a cognitive system. Oxford, GB: Blackwell 1987. XII, 322p., 11p. refs.

89-873 711  
Sgall, P.: Natürlichkeit, Syntax und Typologie. (Naturalness, syntax and typology) Orig.de. Z. Phonetik, Sprachwiss. u. Kommunikationsforsch. Vol 41, No 4, 1988. p.463-470

89-874 711  
Zveginstev, V.: Language, thought and experience: natural language from the standpoint of logic and linguistics. Orig.ru. Obshchestv. nauki, No 5, 1988. p.113-123

89-875 714  
Bense, M.: Bemerkungen zur semiotischen Realitätstheorie. (Notes on the semiotic theory of reality) Orig.de. Semiosis Vol 13, No 2, 1988. p.3-7

89-876 715  
Majumder, D.D.: A unified approach to artificial intelligence, pattern recognition, image processing, and computer vision in fifth-generation computer systems. Orig.en. Inform. Sciences, NY Vol 45, No 3, 1988. p.391-431, 4 p. refs.

See also 89-803 89-959

### 72 Semantics

See also 89-744

89-877 721  
Dölling, J.: Semantik natürlichsprachlicher Negationen und Logik. (Semantics of natural language negation and logic) Orig.de. Wiss. Z. d. Martin-Luther-Univ. (Halle); Ges. u. Sprachwiss. R. Vol 37, No 1, 1988. p.82-92

89-878 721  
Johnston, M.: The end of the theory of meaning. Orig.en. Mind and Language Vol 3, No 1, 1988. p.28-42

89-879 721  
Phillips, M.K.: Text, terms and meanings: Some principles of analysis. Orig.en. Amsterdam studies in the theory and history of linguistic science, Ser.4, Vol 39, 1988. p.99-118, 3p. refs.

89-880 721  
Sappan, R.: The rhetorical-logical classification of semantic changes. Braunton, Devon: Merlin Books 1987. 91p., 2 p. refs.

89-881 721  
Wegst, T.: Die semantische Einheit. (The semantic unit) Orig.de. Frankfurt: Lang 1988. 4, 297p., 5 p. refs., Europ. Hochschulschr. R. 21. Linguistik; Bd. 63

89-882 722  
Doron, E.: The semantics of predicate nominals. Orig.en. Linguistics Vol 26, No 2, 1988. p.281-301

89-883 722  
Vasilevich, A.P.: Investigating semantic similarity using dictionary explanations and definitions. Orig.ru. In: Rech': Vospriyatie i semant. Moskva 1988. p.59-68

89-884 723; 122  
Behmer, J.: Semantische Analyse des Wortfeldes für landgebundene Fahrzeuge in Französischen. (Semantic analysis of the world field for land-bound vehicles in French). Orig.de. Terminologie et Traduction 1989, No.1, p.173-192 Utilizes also a presentation in diagrammatic form of the characteristics contained in the different objects.

89-885 723; 724  
Jeffery, C.D.: How to analyze polysemous words using Firthian principles. Orig.en. Advances in discourse processes (Norwood, NJ) Vol 26, 1988. p.343-353

89-886 723  
Podpol'nyj, D.F.: One approach to calculating the significance of a word or term. Orig.ru. In: Metody i sredstva inf. tekhnol. na osnove sistem bazdannykh i snanij. Kiev, SU 1988. p.16-22, 4 refs.

89-887 724  
Jones, K.S.: Synonymy and semantic classification. Edinburgh, UK: Edinburgh University Press 1986. VIII, 285p., Edinburgh Inform. Technol. Ser. 1

89-888 724  
Neshitov, V.V.: Length distribution of vocabulary units. Orig.ru, en. Nauchno-tekhn. inform., Ser. 2 Vol 22, No 5, 1988

89-889 726  
Lotman, M.Yu.: Semantic structure of a coherent text and its representation in the computer-based IR system. Orig.ru. Tallin: Est. NII NTI i tekhn.-ekonissled. 1988. 31p.

89-890 726  
Craven, T.C.: Customized extracts based on Boolean queries and

### sentence dependency structures.

Int.Classif. Vol 16, No 1, 1989. p.11-14, 27 refs.  
A prototype implementation of the method has been developed in an experimental text structure management system (TEXNET).

89-891 726  
Hoffmann, L.(Red.): Informationsverdichtung und Standardisierung in wissenschaftlichen Veröffentlichungen. (Information compression and standardization in scientific publications) Orig.de. Wiss.Z.d.Karl-Marx-Universität Leipzig Vol 37, No 6, 1988. p.521-603

The issue contains the following 8 papers with an abstract in German: 89-892 Hoffmann, L.: From linguistic description to conscious composition of scientific texts. - 89-893 Baumann, K.-D.: Analysis of the normative aspect in integrative description of an LSP text's significance. - 89-894 Fijas, L.: On the role of text compression in primary and secondary texts. 89-895 Hoffmann, L.: Macrostructure and coherence as markers of text types. - 89-896 Rust, A.: On standardization trends in scientific publications exemplified by Russian and German book-reviews in the field of education. - 89-897 Seise, K.: Pronouns and information compression. - 89-898 Wenzel, N.: Principles of text composition in the journal "Zhurnal neorganicheskoi khimii". - 89-899 Wiegand, I.: On the role of technical terms for the information analysis of Russian-language scientific texts in stomatology.

89-900 726  
Petöfi, J., Olivi, T. (Eds.): Von der verbalen Konstitution zur symbolischen Bedeutung. (From verbal constitution to symbolic meaning) Orig.de. Hamburg, DE: Buske 1988. X,454p., Papiere zur Textlinguistic, Bd.62

89-901 728-662  
Perrin, G.: European Convention on Human Rights - a study in meaning. Orig.en. Sprachmittler, No 1-2, 1988. p.19-30, 5 refs. Elaborates on conceptual meaning, Connotative meaning, Stylistic meaning, Affective meaning, Reflected meaning, and Collocative meaning.

## 73 Automatic Language Processing

89-902 733  
Heuvel, T. van den: TOSCA: An aid for building syntactic databases. Literary and linguistic computing Vol 3, No 3, 1988. p.147-151, 5 refs.

## 74 Grammar Problems

89-903 741  
Kacnelson, S.D.: Zum Verständnis von Typen der Valenz. (Concerning the understanding of types of valency) Orig.de. Sprachwissenschaft (Heidelberg) Vol 13, No 1, 1988. p.1-30

89-904 741  
Kürschner, W.: Grammatische Grundbegriffe in systematischer Anordnung. (Grammatical basic terms in a systematic order) Orig.de. Trier, DE: Wiss.Verlag 1988. 63p.

89-905 741  
Rauh, G.: Tiefenkasus, thematische Relationen und Thetarollen: Die Entwicklung einer Theorie von semantischen Relationen. (Depth case, thematic relationships and theta roles: The development of a theory of semantic relationships). Orig.de. Tübingen, DE: Narr 1988. IX,468p., Tübinger Beitr.z.Linguist.309

89-906 742  
Zelinsky-Wibbelt, C.: Eine attributierte Grammatik als Werkzeug für die Generierung semantischer Merkmale. (An attributed grammar as a tool for the generation of semantic characteristics) Orig.de. Ling.Datenverarb. Vol 7, 1987. p.183-193

89-907 744  
Jendrzey, U.: Recognition of grammatical categories of words. Orig.pl. Biul.Inst.metal i niezetal. Vol 22, No 1-4, 1987. p.103-118, 8 refs.  
Recognized are: verb, noun, adjective, adverb, participle and dependent word.

89-908 744  
Salomatina, N.V.; Yudina, L.S.: On some statistical characteristics of prefixes. Orig.ru. Vychisl.sistemy., No 123, 1987. p.84-100, 10 refs.

89-909 744  
Yoshida, K.: A word classification method for the recognition of Japanese from a large vocabulary. Orig.en. NEC research and development, Tokyo, No 90, 1988. p.137-142

89-910 746  
Petrov, V.V.; Pereverzev, V.N.: Propositional structures of language. Linguistic clause structures. Orig.ru. Nauchno-tekhn.inform., Ser.2, No 1, 1987. p.15-21

## 75 Question-Answering Systems, Online Techn.

See also 89-598 89-647a 89-725 89-825

89-911 751  
Black, U.: Computer networks. Orig.en. Englewood Cliffs, NJ: Prentice-Hall 1987. 460p., 96 refs., Prentice Hall Computer Communication Series, ISBN 0-13-166091-8  
Reference book for "networking terminology" and for specifics of some of the large, commercial networking products.

89-912 751  
Conrad, R.: Klassen möglicher Fragen zu einem gegebenen Wissensbestand. (Classes of possible questions concerning a given knowledge base) Orig.de. Ling.Arbeitsber., Leipzig, No 63, 1987. p.12-21

89-913 751  
Neches, R.: Knowledge-based tools to promote shared goals and terminology between interface designers. Orig.en. ACM Transactions on Office Inform.Systems 6(1988)No 3, p.215-31, 12refs  
Description of two tools that support cooperation: one for the construction of consistent and principled human-computer interfaces and the other for the construction of AI knowledge bases. The AI knowledge representation technology upon which the tools are founded is first described. A knowledge-based approach to interface construction is discussed and a knowledge acquisition aid that is utilized within the interface construction paradigm is described. Four sources of difficulty in team design efforts are reviewed. (Author, abbr.)

89-914 751  
Rogers, Y.; Leiser, R., Carr, D.: Evaluating metaphors for use at the user-system interface. Orig.en. In: EUROINFO'88, Amsterdam 1988. p.158-163, 12 refs.

89-915 752  
Myall, C.: Book review of Markey, K.(Issue ed.): Public access online catalogs. Library Trends 35(1987)No.4. Orig.en. Catalog.& Classif.Quarterly Vol 9, No 1, 1988. p.131-132

89-916 753  
Armstrong, C.J.; Large, J.A.: Manual of online search strategies. Orig.en. Aldershot, GB: Gower 1988. 831p., ISBN 0-566-05058-7  
Book review by Lizzy Davenport in Program 23(1989)1, p.107-8

89-917 753; 812  
Binder, W.: Der Publikums katalog der Universitätsbibliothek Bielefeld. Das erste deutsche Bibliotheksprojekt für Datenspeicherung auf CD-ROM. (The Public Access Catalogue of the University Library of Bielefeld: The first German CD-ROM project for library applications) Orig.de. ABI-Techn. Vol 8, No 1, 1988. p.8-11

An open public access catalogue based on CD-ROM technology is under development at the University Library of Bielefeld. The project is granted by the Deutsche Forschungsgemeinschaft. Two disks - one for records and one for indexes - are accessible by different drives. Two levels of performing a search will be offered - a command mode for the experienced user and a look-up mode for novice users exploiting full screen colour graphics design capabilities. Searches will be possible by standard bibliographic access points and phrases, e.g. by title-phrase, corporate author name as well as by keywords from different indexes. (Author, abbr.)

89-918 753; 812  
Budnitz, H.: Die Gestaltung der Benutzeroberfläche von Online-Bibliothekskatalogen. (Designing the user-interface of an On-Line Public Access Catalogue) Orig.de. ABI-Techn. Vol 8, No 4, 1988. p.307-325, 38 refs.  
The conclusions of the article are derived from the comparison between existing user-interface systems in the United States and in the Federal Republic of Germany. (Author, abbr.)

89-919 753; 812  
Hauffe, H.: Ein OPAC-Konzept für die wissenschaftlichen Bibliotheken Österreichs. (An OPAC conception for the Austrian Scientific Libraries) Orig.de. ABI-Techn. Vol 8, No 3, 1988. p.209-222, 29 refs.  
In 1987 the Austrian National Library and the University libraries began to implement the Online Library Network System BIBOS which will offer also an Online Public Access Catalogue (OPAC). In this article, after discussing the basic design of the forthcoming OPAC, requirements of its features (access, search functions, output, interface to circulation control) are formulated. (Author)

89-920 753; 812  
Kristen, H.; Sievers, W.: Die Benutzeroberfläche des OPAC an der Universitätsbibliothek Karlsruhe. (The user interface of the OPAC at the Karlsruhe University Library) Orig.de. ABI-Techn. Vol 8, No 2, 1988. p.97-105, 16 refs.  
The catalogued data set of the Karlsruhe University Library is available in machine-readable form since 1970. These data were loaded into the database system FAIRS existing at the Univer-

sity of Karlsruhe. As the retrieval language of FAIRS is difficult for an online catalogue an easy-to-handle user interface was developed. The heart of the interface is a table driven interpreter working independently from the database. It facilitates the integration of different data-base systems. (Author, amended.)

89-921 753; 812  
 nder, W.; Kemminer, J., Summann, F.: CD-ROM und Online-Publikumskataloge für Bibliotheken. Ein Projekt der Universitätsbibliothek Bielefeld. (CD-ROM and Open Public Access Catalogues) Orig.de. ABI-Techn. Vol 8, No 2, 1988. p.107-120, 16 refs. The user interface, problems of data conversion, the structure of index display formats and other topics of the Open Public Access Catalogue of the University Library of Bielefeld are discussed in some detail. (Author, abbr.)

89-922 753  
 Hildreth, Ch.R.: Intelligent interfaces and retrieval methods for subject searching in bibliographical retrieval systems. Washington, DC: Library of Congress. Cataloging Distr. Service 1989. 120p., 51 refs., Advances in Libr. Inform. Technol., Issue No. 2, ISBN 0-8444-0626-0  
 Contains the following chapters: Retrieval features of operation, conventional information retrieval systems, including online catalogs; Problems and shortcomings of today's OPACs; Information retrieval research and experimentation: Perspectives, insights, and contributions; Intelligent interfaces and intelligent retrieval systems or software techniques: A systematic review; Information retrieval/OPAC system entry and orientation assistance; Vocabulary control, matching and translation; The contextual subject approach: improved browsing and related-item navigation facilities; Intelligent automatic and semi-automatic search strategy selection and retrieval techniques. In Appendix 1 a Second-Generation OPAC features checklist is given. Appendix 2 lists Advanced OPACs and intelligent retrieval systems and software reviewed or investigated for the study.

89-922a 753  
 Massicotte, M.: Improved browsable displays for online subject access. Inform. Technol. & Libraries Vol 7, No 4, 1988. p.373-80 8 refs.  
 A browsable display under a specified search term can often frustrate users if the display is carried over several screens. The article investigates methods of compressing headings identified by MARC subfield codes to reduce the size of browsable displays. Arguments are presented that a more efficient system design can be achieved by machine sorting of subdivisions via a conceptual, rather than alphabetical, approach. The author concludes that system architecture for browsable subject index displays must be redesigned to relieve the user of the burden of data organization. (Author)

89-923 753  
 Pejtersen, A.M.; Olsen, S.F., Zunde, P.: Development of a term association interface for browsing bibliographic data bases based on end users' word associations. Knowl. Engg.: Expert Syst. and Inform. Retrieval. London, GB. p.92-112, 19 refs.  
 The project focusses on associative and affective aspects of meaning. A method for generation and analysis of the associative data is described and exemplified. A term association thesaurus is being developed. The fiction and term association database FICTA, developed for the study is described as well as an evaluation of associative search methods.

89-924 753; 448  
 Van Pulis, N.; Ludy, L.E.: Subject searching in an online catalog with authority control. College & Research Libr. Vol 49, No 6, 1988. p.523-533, 17 refs.  
 Users want improvement in subject searching features, noting display of terms related to their topics as especially desirable. The study reports the findings of an examination of subject searcher's use of such a feature provided through online display of authority information from Library of Congress Subject Headings for terms used in the catalog. (Author, abbr.)

89-925 753  
 Vigil, P.J.: Online retrieval: analysis and strategy. Chichester, GB: Wiley 1988. 242p., ISBN 0-471-82423-2  
 Book review by N.B. Butterwick in Program 23(1989)No.2, p.222-3

89-926 753  
 Walker, St.: Improving subject access painlessly: Recent work on the OKAPI catalogue projects. Program Vol 22, No 1, 1988. p.21-31

89-927 754  
 Kucherov, V.Ya.: A basic query language for a management-oriented factual reference service. Orig. ru. Probl. inform. sistem., No 4, 1988. p.72-84, 21 refs.

89-928 754  
 Lasbo, P.: Word Finder: Electronic thesaurus. Orig. en. Online Rev. Vol 12, No 1, 1988. p.59-61

Word Finder is a synonym finding software product running on an IBM PC and compatibles. It contains 220 000 words.

89-929 754  
 Meghini, C.; Capurso, M., Maiorano, G.: An object oriented query tool for uniform data extraction from public data banks. Orig. en. In: EUROINFO'88. Amsterdam, NL 1988. p.757-62, 4 refs.

89-930 755  
 Kaske, N.K.: A comparative study of subject searching in an OPAC among branch libraries of a university library system. Inform. Technol. & Libraries 7(1988)No 4, p.359-372, 2 refs.  
 The degree of variability in the percentage of subject searching in an online public access catalog among branch libraries of one university was studied. A full semester's worth of transactions was analyzed. Time units were hour of the day, day of the week, and week of the semester. The findings show that subject searching varies from a low of 22% to a high of 74% over the hours of the day... Valuable management information on the utilization of the OPAC is provided through numerous charts and graphs. A call is made for replication of this type of analysis in other libraries. (Author, abbr.)

89-931 755  
 Mauldin, M.; Carbonell, J., Thomason, R.: Beyond the keyword barrier: Knowledge based information retrieval. Orig. en. Inform. Serv. & Use Vol 7, No 4-5, 1987. p.103-117, 27 refs.  
 To achieve a better performance than by keyword searches, a system called FERRET which uses a frame-based representation of knowledge is under development at Carnegie-Mellon University, USA. To increase the size of the lexicon, the complete text of Webster's 7th ed. Dictionary (68,766 words) was put online. The processing of a query and its representation as a frame are carried out interactively by a slow algorithm, making a thorough analysis of the text of the query. Retrieval is carried out in an inverted file of frames.

89-932 755  
 Mayoh, B.: Are machines as good as people in drawing conclusions from knowledge represented in catalogues, data bases and expert systems? In: Knowl. Engg.: Expert Systems & Inform. Retrieval. London, GB 1987. p.53-58, 13 refs.  
 Review of the literature describing examples of design that combine AI and IR methods.

89-933 755; 157  
 Piekara, F.H.; Strube, G.: Data-base organization and cognitive structure. Using information systems organized by oneself and by others. In: Bullinger, H.J. et al. (Eds.); Human-computer interaction - INTERACT '87. Proc. 2nd Conf., University of Stuttgart, 1-4 Sept. 1987. Amsterdam, NL: North-Holland 1987. p.93-98, 15 refs.  
 New data are reported on the relative efficiency of database descriptor systems devised by either the user or by others. Former results suggested that performance in information retrieval was almost twice as high for systems organized by oneself in comparison to systems organized by others. In contrast it was found that individual differences amount to less than one third of the elements of domain-specific cognitive structures, and the disadvantage of using descriptor systems organized by others is rather small (about 25%) and statistically insignificant. (Author, amended)

757 Expert Systems  
 See also 89-648a

89-934 757  
 Butler, C.W.; Hodil, E.D., Richardson, G.L.: Building knowledge-based systems with procedural languages. IEEE Expert. Vol 3, No 2, 1988. p.47-59, 6 refs.

89-935 757  
 Dryuchin, Yu.L.: Representation and processing of incomplete and inaccurate knowledge in expert systems. Orig. ru. In: *Metody i sredstva inform. tekhnol. na osnove sistem baz dannykh i znanij.* Kiev, SU 1988. p.9-16, 4 refs.

89-936 757  
 Fergusson, J.C.; Wagner, R.E.: Beyond rules: The next generation of expert systems. In: 1st Annual Workshop Space Oper. Autom. & Rob. (SOAR '87). Houston, TX 1987. p.363-369, 23 refs.  
 To overcome the traditional limitations of expert systems Ford Aerospace and Communications Corp. has pioneered a new conception implemented as the PARAGON system. It consists of the three main components: knowledge representation, knowledge management and knowledge manipulation. Its most important feature is the ability to develop a specific methodology for ES construction and testing.

89-937 757; 234  
 Grigyanets, R.B.: The lingware of ES-based IR systems: an analysis. Orig. ru. Minsk, SU: Institut Mat. AN BSSR (Preprint No. 127322) 1988. 23p., 28 refs.  
 Analyses the capabilities of the vocabulary and terminological

support and the query language of IR systems implemented on ES computers using the most common, multi-purpose software - POISK 1.2, DIALOG-2, CDS/ISIS/ES, AIOOS/OS, AIOOS/VS, and ASPIO-5/ES. Describes characteristics by which to compare the capabilities of query languages. (Author, transl.)

89-938 757  
Jarke, M.: The application of knowledge-based systems. In: EUROINFO'88. Amsterdam, NL 1988. p.839-842, 10 refs.

89-939 757  
Laurent, J.-P.: Types of control structure in expert systems Knowl.Eng.Rev. Vol 2, No 2, 1987. p.123-132, 18 refs.

89-940 757  
O'Neill, M.: Expert systems. Aslib Proc. Vol 41, No 4, 1989. p.163-168, 3 refs.  
Explains expert systems and shows their applicability in the area of library and information science (SLIS).

89-941 757  
Rosenberg, St.T.: HR-RH: An expert systems language. Hewlett-Packard J. Vol 39, No 4, 1988. p.57-65  
Report on the development of a new ES language, called HP-RL (Hewlett-Packard Representation Language). It consists of three tools: a frame-based, and a rule-based component, and a query language.

89-942 757  
Vesonder, G.T.: Rule-based programming in the UNIX system. AT & T Techn.J. Vol 67, No 1, 1988. p.69-80, 24 refs.

89-943 757  
Wormell, I. (Ed.): Knowledge engineering: Expert systems and information retrieval. London, GB: Taylor Graham 1987. 182p.  
The book is based on a NORDINFO seminar which took place in Copenhagen at the Royal School of Librarianship in Dec. 1986.

89-944 757.332  
Sharif, C.A.Y.: Developing an expert system for classification of books using micro-based system shells. London, GB: British Library 1988. VI,128p., British Library Research Paper 32, ISBN 0-7123-3144-1  
Book review by Roy Davies in J.Doc. 44(1988)No.4, p.402-405

89-945 7578-51/4  
Humphrey, S.M.: MedIndEx System: Medical Indexing Expert System Inform.Process.& Management 25(1989)No 1, p.73-88, 17 refs.  
The MedIndEx System is a prototype for interactive knowledge-based indexing of the medical literature, being developed in an ongoing research project at the Lister Hill National Center for Biomedical Communications, National Library of Medicine.

89-946 759  
Wade, St.; Willet, P., Robinson, B., Vickery, B., Vickery, A.: A comparison of knowledge-based and statistically based techniques for reference retrieval. Online Rev. Vol 12, No 2, 1988 p.91-108

## 76 Lexicon/Dictionary Problems

89-947 761  
Wierzbicka, A.: The semantics and lexicography of 'natural kinds'. Lexicographica, Ser.Major, No 19, 1988. p.155-182

89-948 762  
Kalverkaemper, H.: Die Fachwelt in der allgemeinen einsprachigen Lexikographie. (Subject-orientation in general monolingual lexicography) Orig.de. Fachsprache - Special Language Vol 10, No 3/4, 1988. p.98-123, refs.  
If technical terms are included in a general dictionary it is necessary to add a marker pointing to the subject field of such a term. Guidelines are given for the marking of entry words according to their subject-field relationship. This lexicographical indication is called "diatechnical marking".

89-949 762  
Riggs, F.W.: Information and social science: The need for onomastics. Int.Forum Inf. & Doc. 14(1989)No 1, p.12-21, 11 refs.  
The new approach proposed called the 'onomastic approach' proceeds - in contrast to the conventional semantic paradigm - from the definition of a concept to identification of a corresponding unequivocal term, the final product being a dictionary of concepts. (Author, abbr.)

89-950 763  
Järborg, J.: The construction of a comprehensive lexical network. Literary & Ling.Comput. 3(1988)No 3, p.177-184, 3 refs.

89-951 763  
Lobanova, L.P.: Principles of compiling a multilingual dictionary of general science words. Orig.ru. In: Soversh.per.nauch.-tekh.lit.i dok.: Tez.dokl.i soobshch.Vses.konf., 7-9 sent.1988. Moskva, SU 1988. p.79-80

89-952 764  
Wiegand, H.E.: Vorüberlegungen zur Wörterbuchtypologie. Teil 1. (Preliminary considerations on a typology of dictionaries) Orig.de. Lexicographica, Ser.Major, No 19, 1988. p.3-105, refs.

89-953 765  
Ezhov, A.S.: The automatic dictionary: The information arrangement principle. Orig.ru. In: Soversh.per.nauch.-tekh.lit.i dok.: Tez.dokl.i soobshch.Vses.konf., 7-9 sent.1988. Moskva, SU 1988. p.225-227

89-954 765  
Orlov, Yu.K.: The problem of probability assessment of language processor failure due to size limitation of the computer dictionary and the harmonisation computer dictionary and lexical flow. Orig.ru. Tr.in-t sist. upr. AN GSSR 26(1988)No 2, p.95-105

89-955 765  
Tikhonov, M.B.: Automated dictionary-maintenance system for the SKOBKI software package. Orig.ru. Probl.inform.sistem., No 4, 1988. p.68-72, 2 refs.

89-956 767  
Blumenthal, A.: Vorüberlegungen zum Computereinsatz bei der Erarbeitung lexikographischer Bedeutungserläuterungen: Ein Bericht aus dem Projekt COLEX. (Considerations before computer implementation in the elaboration of lexicographical definitions/explanations) Orig.de. Ling.Datenverarb. Vol 7, 1987. p.1-11, 2 p.refs.

89-957 768-92  
Pavlovich, N.V.(Ed.): Automatic dictionary compiling: A manual. Orig.ru. Moskva, SU: Izdatel'stvo MGU 1988. 170p., 179 refs.

## 77 General Problems of Terminology

See also 89-619 89-620 89-666 89-886

89-958 77.09  
Strehlow, R.A.: Standardization of technical terminology: Principles and practice. Vol.2. Hitchin, Herts. UK: Amer.Techn.Publ. Ltd. 1988. 136p., ISBN 0-8031-1183-5, ASTM STP 991  
The first volume appeared 1983 as ASTM STP 806, edited by Interrante/Heymann. The present volume contains 9 papers (by Galinski/Nedobity, K.L.Loening, W.B.Sonneveld/K.L.Loening, C.W.McKee, H.G.Burger, Uri Gat, R.A.Freund, R.A.Strehlow, and W.P.Ellis).

89-953a 77.912  
Final report of Working Group 6 (of the Assoc.for Terminology and Knowledge Transfer) "Professional profiles of terminologists and knowledge engineers". Orig.de. Mitt.Terminol.& Wissenstranf., No 1/2, 1989. p.5-7

89-959 771  
Banque des Mots, No.Spécial 1988.  
Orig. fr. p.5-148  
This special number is entirely devoted with its nine contributions to problems of terminology and especially also néologie: 89-960 Lerat, P.: Les activités du Centre de terminologie et de néologie (p.5-10). - 89-961 Lerat, P.: Terminologie et sémantique descriptive (p.11-30, 21 refs.). - 89-962 Galinski, Ch.: Situation et tâches de la terminologie à l'usage des traducteurs (p.31-40, 10 refs.). - 89-963 Otman, G.: Trois décennies d'intelligence artificielle: histoire du paradigme (p.41-46). 89-964 Kalonji: Le projet de dictionnaire francophone des organisations panafricaines et de termes institutionnels courants: domaine et présentation (p.47-55) - 89-965 Galinski, C.; Nedobity, W.: Une banque de données terminologiques considérées comme outil de gestion (p.55-67). - 89-966 Wells, W.: Le Réseau International de Néologie et de Terminologie (p.69-74, 4 refs.). - 89-967 Boissy, J.: Tendances linguistiques de la néologie en terminologie (p.77-83). - 89-968 Humbley, J.: Comment le français et l'allemand aménagent la terminologie de l'informatique (p.85-148, 48 refs.).

89-969 772  
The Austrian Standards Institute's new service "The appropriate name for firms and products". Orig. en. Int.Classif. Vol 16, No 1, 1989. p.39

89-970 772  
Albrecht, E.: Zur methodologischen Explikation von Termini in fach- und wissenschaftssprachlichen Texten. (On a methodological explication of terms in special language and scientific texts) Orig. de. Wiss.Z.d.Ernst-Moritz-Arndt Universität, Greifswald. Ges.u.Sprachwiss.R. Vol 36, No 1/2, 1987. p.99-102

89-971 772  
Brandl, J.: Die Notwendigkeit der Namen: Ober das Benennen von Einzeldingen und die Relevanz seiner historisch-kausalen Grundlagen für den Aufbau einer allgemeinen Theorie der Bedeutung. (The necessity of names: On the naming of single objects and the relevance of its historico-causal bases for the development of a general theory of meaning) Orig.de. Graz, Austria:

Verlag f.d.Techn.Univ.Graz 1987. VII,509p., Diss.d.Karl-Franzens-Univ.Graz, 73

89-972 772  
Herberg, D.: Neologismen - lexikologisch und lexikographisch betrachtet. (Neologisms - under a lexicological and a lexicographical point of view) Orig.de. Sprachpflege, Leipzig Vol 37, No 8, 1988. p.109-112

89-973 772  
Kalverkämper, H.: Neologismen: Hinterfragung eines linguistischen Konzepts. (Neologisms - questioning a linguistic concept) Orig.de. Quaderni di semantica Vol 8, No 2, 1987. p.311-345, 7 p.refs.

89-974 772  
Neubert, G.: Fachwortformen im Text, im Lexikon und in der Fachwortsammlung. (Forms of special terms in the text, in the dictionary and in the special term collection) Orig.de. Fachsprache - Special Language Vol 10, No 3/4, 1988. p.124-136 14 refs.

In order to increase the amount of answers in a lexicon it is necessary to consider the context-relevant variations of terms and to determine pragmatic wordforms. A computer-support in elaboration and use of glossaries out to be conceived in a modular way.

89-975 772  
Volkova, I.I.: Criteria of evaluation of scientific terms. Orig.ru. In: Soversh.per nauch.-tekhn.lit i dok.: Tez.dokl.i soobshch.Vses.konf., 7-9 sent.1988. Moskva, SU 1988. p.111-113 Requirements for ideal terms are proposed to be divided into two groups: essential (unambiguity, brevity, linguistic correctness, acceptability) and optional requirements.

89-976 773  
Khar'kovskaya, A.A. (Ed.): The systemic character of the implementation of language units of different levels. Orig.ru. Kujbyshev, SU: Universitet 1987. 170p.

89-977 776  
Datta, J.: Terminology on a shoestring. TermNet News, No 20, 1988. p.10-12  
Reports on problems encountered in establishing a terminological data base at UNIDO's Reference and Terminology Unit (RTU), Vienna.

89-978 776  
Schaezen, C.: Evaluation des banques et bases de termes. (Evaluation of term banks and bases) Orig.fr. Lang.et homme Vol 23, No 2, 1988. p.143-151

89-979 776  
Veslov, P.V.; Londareva, E.V.: Toward the setting up and maintaining of a fund of international terms - loan words. Orig.ru. In: Soversh.per nauch.-tekhn.lit.i dok.: Tez.dokl.i soobshch.Vses.konf., 7-9 sent.1988. Moskva, SU 1988. p.110-11

89-980 777  
TermNet News. Special Issue on the Arab World. Orig.en. 1988 No.21, 25p.  
The issue, edited by A.G.Gaid, contains three introductory papers, four papers on terminology work in Arabic within international organizations and one on terminology teaching in the Arab world. Concludingly a list of Bulletins and glossaries including Arabic as well as a list of 85 national and international institutions involved in Arabic terminology is given.

89-981 777  
TermNet News. Special issue on Canada. Orig. fr, en. No 23, 1988. 170p.  
The issue editor is Denise McClelland, Editor of Terminology Update. This issue contains 46 contributions of which 38 are in French, the rest in English. They are grouped under the following headings: R&D in Terminology. Teaching. Associations and Organizations. Publications. Publications of the Secrétariat d'Etat du Canada.

89-982 777  
TermNet News. Special issue on the Iberoamerican countries. Orig.fr., No 22, 1988. 44p.  
The issue editor: Daniel Prado. Among the 19 contributions 6 are on Portuguese terminology, 11 on Spanish, 1 on Basquish and 1 on Catalanian terminological activities and institutions. The articles are all in French.

89-983 777  
Deirg, I.O.: The open door: Terminology in a lesser-used language. TermNet News, No 20, 1988. p.15-20, 13 refs.  
Problems encountered in term provision in Irish, together with suggested solutions.

89-983a 778  
Bühler, H.: Book review of Hoffmann, L.: Kommunikationsmittel Fachsprache (Special language as a communication medium) 2nd

ed. Tübingen: Narr 1985. 307p. Orig.de. Int.Classif. Vol 16, No 1, 1989. p.51

89-984 778.01  
Lehmann, M.; Puchta, Ch. (Comp.): Kleine Bibliographie fachsprachlicher Untersuchungen. (Little bibliography of special language studies (continuation of issue 1-2, 1988)) Orig.de. Fachsprache - Special Language Vol 10, No 3-4, 1988. p.174-88, ca 300 refs.  
Lists well over 300 references alphabetically by author in broad subject categories.

## 78 Subject-Oriented Terminology Work

See also 89-599

89-986 78-775  
Hums, L.: Zur Genese der Fachsprache der Eisenbahn. (On the genesis of railway terminology) Orig.de. Muttersprache Vol 99, No 1, 1989. p.39-54, 50 refs.

89-987 78-828; 06.88-09-21/24  
International Conference on Terminology for Museums, Cambridge UK 1988-09-21/24. Orig. en. Int.Classif. Vol 16, No 1, 1989. p.39

89-988 78-91  
Busse, O.: Sprachwissenschaftliche Terminologie. Verständlichkeits- und Vermittlungsprobleme der linguistischen Fachsprache (Linguistic terminology) Orig.de. Muttersprache Vol 99, No 1, 1989. p.27-38  
Concern about the forming of terms, e.g. by using metaphors. Considerations on a reasonable use of linguistic terms.

## 8 APPLIED CLASSING AND INDEXING (C & I)

### 81 General Problems of Applied C & I

89-989 811  
Metz, P.: Subject searching in libraries: present and future. Acad.Libr. Vol 14, No 1, 1989. p.306c-306d (insert between p. 306-7 and 372a-372b (insert between 372-3)

89-990 811; 344; 88-376  
Young, E.; Linder, E.: Abstractor and indexer: careers in scientific and technical information service. Science & Technol. Libr. Vol 7, No 4, 1987. p.47-62

89-991 812  
Coates, E.: Subject catalogues, headings and structure. London, GB: Library Assoc. 1988. 186p.

89-992 812  
Marinov, A.: The classed catalogue: more "pros" and "contras". Orig.bg. Arch.pregl., No 1, 1988. p.3-7

89-993 812  
Piggott, M.: A topography of cataloguing showing the most important landmarks, communications and perilous places. London, GB: Library Assoc. 1988. 297p., refs., ISBN 0-85365-758-0

812 see also 89-725 89-917-921

89-994 814  
Gödert, W.: Book review of Regeln für den Schlagwortkatalog: RSWK. Red.F.Junginger, Berlin: Deutsches Bibliotheksinstitut 1986. XXXII, 281p. (Rules for the subject-heading catalogue: RSWK) Orig.de. Bibliothek. Forsch.u.Praxis Vol 12, No 3, 1988. p.325-336, 30 refs.  
Extensive, very elaborate review of the German subject cataloguing rules.

89-995 814  
Intner, S.S.: ASCR: the American subject cataloging rules (just a matter of time until it materializes). Technicalities Vol 8, No.2, 1988. p.5-7

### 84 C & I of Primary Literature (Except 85)

89-996 844/5  
Meglio, D.: The Information Access Company's editorial system. Reference Services Review Vol 15, No 3, 1987. p.45-47  
The computerized Authority System for Indexing and Editing (CASIE) delivers periodical indexes that are used by researchers throughout the world. Description of the capabilities of the system.

89-997 848-62 NI  
Aina, J.O.: Cataloguing and classification of Nigerian government publications: Survey report of the University of Ibadan and Obafemi Awolowo University Libraries. Gov.Publ.Rev. Vol 15, No 2, 1982, USA (1988) p.137-145

## 85 Book Indexing

89-998 852  
Akhtar, N.: Indexing Asian names. Indexer Vol 16, No 3, 1989. p.156-158, 7 refs.

89-999 856-822  
Bell, H.K.: Indexing biographies: lives do bring their problems. Indexer Vol 16, No 3, 1989. p.168-172, 11 refs.

89-1000 857  
Abe, K.K.; Berry, D.M.: indx and findphrases: a system for generating indexes for Dittroff documents. Orig.en. Software: Practice and Experience Vol 19, No 1, 1989. p.1-34

## 86 C & I of Secondary Literature

89-1001 864  
Okaya, Y.: Complementarity of citation analysis and terminology in the study of paradigm: a case of biotechnology. Orig. ja. Igaku Toshokan Vol 35, No 2, 1988. p.113-130

89-1002 864  
Moravcsik, M.J.: Citation context. Classification of a citation classic concerning citation context classification. Orig.en. Soc.Stud.Sci. Vol 18, No 3, 1988. p.515-521

89-1003 864  
Sandison, A.: Thinking about citation analysis. Orig.en. J.Doc. Vol 45, No 1, 1989. p.59-64

## 87 C & I on Non-Book Materials

See also 89-649a

89-1004 872; 875  
Brooks, D.: System-system interaction in computerized indexing of visual materials: a selected review. Orig.en. Inform.Technol.& Libr. Vol 7, No 2, 1988. p.111-123

89-1005 872; 255  
Bourbakis, N.G.; Klinger, A.: A hierarchical picture coding scheme. Pattern Recognition 22(1989)No 3, p.317-329, 22 refs. The scheme presented combines two hierarchical data structures. The pyramid data structure is used to generate the pyramid of the average intensities of a picture P(N,N).

## 88 C & I in Subject Fields

89-1006 88-26  
Deaves, J.C.; Pache, J.E.: Chemical and numerical indexing for the INSPEC database. Indexer Vol 16, No 3, 1989. p.163-167

89-1007 88-69  
Gilmore, M.B.: Observations on the indexing of history: The example of the Journal of American History. Indexer Vol 16, No 3, 1989. p.159-162

89-1008 88-76  
Nenkov, R.: International indexing of products with the EAN code. Orig.bg. Poligrafija, No 1, 1988. p.23-26

89-1009 88-93  
Bliss, M.: Indexing policy at RILM: present perspectives and future prospects. Orig.en. Fontes Artis Musicae Vol 35, No 3, 1988. p.189-194

## 9 CLASSIF. ENVIRONMENT

91 General Problems of Organisation

89-1010 913  
Abschlußbericht der AGB "Gemeinsame Komponenten für unterschiedliche Expertenarbeitsplätze im natürlich-sprachlichen Bereich". (Final report of Working Group 8 "Common components for different workstations in the natural language area") Orig.de. Mitt.Terminol.& Wissenstransfer, No 1/2 1989. p.8-9

## 92 Persons and Institutions

89-1011 924  
Kawamura, K.: Subject index for information retrieval: the contributions of Eric Coates. Orig.ja. Tokyo: Nichigai Assoc.1988. 13+283p., 115 refs., ISBN 4-8169-0774-2

89-1012 925  
Farrington, J.W.: Cataloging and Classification Section. Annual Report. Libr.Resources & Techn.Serv. 33(1988)No 1, p.62-64 It is the Cataloging and Classification Section (CCS) of the American Library Association.

89-1013 925  
Gower, J.C.; Sneath, P.H.A.: 25th Anniversary of the British Classification Society. J.Classif. Vol 6, No 1, 1989. p.1-2 The Society was founded by a small group of people on 17 April 1964. The foundation of the Society arose out of a Symposium entitled Classification: an interdisciplinary problem, organized by Aslib in April 1962. Among the members of the first committee were J.E.L.Farradane, A.F.Parker-Rhodes, L. Wilson, D.J.Foskett, R.M.Needham, K.I.B.S.Needham. Active participants in the meetings included 8.C.Vickery, R.Webster, J.L.Jolley, and A.J.Mayne.

89-1014 925  
Holley, R.: IFLA Section on Classification and Indexing. Annual Report. Int.Classif. Vol 16, No 1, 1989. p.33-34

89-1015 925  
Reichling, A.: La creation de LEXITERM. Orig. fr. Terminologie et Traduction, No 1, 1989. p.171-172 Describes the "creation" of an 'Association internationale de lexicographie et de terminologie de langue francaise' the seat of which is in Geneva at the Ecole de Traduction et d'Interpretation, Université de Genève, 19 Place des Augustins, CH-1205 Genève.

89-1016 925  
International Network for Terminology (TermNet). Int.Classif. Vol 16, No 1, 1989. p.29

89-1017 925; 77.99  
International Organization for Unification of Terminological Neologisms (IOUTN). Int.Classif. Vol 16, No 1, 1989. p.29

## 93 Organisation on a Natl. & Internatl. Level

89-1018 934 CH  
Merrin, G.: L'indexation matières: perspectives pour la collaboration. (Subject indexing: perspective for cooperation) Orig. fr. ARBITO Rev., Bern Vol 3, No 2, 1988. p.42-46, 7 refs.

89-1019 934 OE  
Geißelmann, F.: Kooperative Sacherschließung im bayerischen Bibliotheksverbund. (Cooperative subject cataloguing in the Bavarian Library Network) Orig.de. ABI-Techn. Vol 7, No 2, 1987. p.99-106, 12 refs. The subject cataloguing system chosen for cooperation is so flexible that individual necessities of each library can be taken into account as far as it is required.

89-1020 934 DE  
Lorenz, B.: Bibliotheksklassifikation im Verbund. Notizen zur Anwendung der Regensburger Aufstellungssystematiken. (Library classification in a network. Notes on the application of the shelf classification system of the Regensburg University Library) Orig.de. In: Niewalda, P., Hanusch, G.; Bibliothekslandschaft Bayern. Festschrift für Max Pauer zum 65.Geburtstag. Wiesbaden: Harrassowitz 1989. p.97-127

89-1021 934 NL; 99  
Lever, A.J.: Een basis classificatie in ontwikkeling: naar coördinatie van de collectie- vorming en gemeenschappelijke onderwerpsontsluiting bij wetenschappelijke bibliotheken. (A basis classification in development: on the coordination of stock development and cooperative subject cataloguing in scientific libraries) Orig.nl. Open Vol 20, No 6, 1988. p.210-213 The Pica-Romp Classification (RC) for a cooperative subject indexing is compared with a proposal of the union of university libraries to use a classification based on Conspectus. A mixed committee pleads for a basic classification scheme.

## 95 Education and Training

89-1022 952  
Hunter, E.J.: Book review of Carter, R.C.(Ed.): Education and training for catalogers and classifiers. New York, London: Haworth Press 1987. XV, 195p. Orig.en. J.Doc. Vol 44, No 4, 1988. p.393-394

89-1023 952  
Rowley, J.E.: Cat and Class in a computer-based environment. Orig.en. Catalogue and Index, No 89, 1988. p.5-6 Gives a description of the contents of the teaching of cataloguing and classification at the Department of Library and Information Studies, Manchester Polytechnic.

## 99 Standardization

See also 89-621 89-838 89-1021

89-1024 998  
Painter, J.D.: Book review of Smith, J.M., Stutely, R.: SGM-L: The user's guide to ISO 8879. Chichester: Ellis Horwood. New York: Halsted Press 1988. 172p. Indexer 16(1989)No 3, p.223

# Personal Author Index

- Abe, K.K. 89-1000  
Abramova, N.T. (Ed.) 89-722  
Addis, T.R. 89-640a  
Ahlswede, T. 89-752  
Aina, J.D. 89-997  
Akhtar, N. 89-998  
Albrecht, E. 89-970  
Anderson, C. 89-766  
Anderson, J.D. 89-633  
Armstrong, C.J. 89-916  
Artamonova, N.O. 89-780  
Aussenac, N. 89-643  
  
Baker, S.W. 89-812  
Bakewell, K.G.B. 89-689  
Batty, D. 89-670  
89-749  
Bauer, G. 89-706  
Baumann, K.-D. 89-893  
Bayer, U. 89-714  
Bearman, D. 89-870  
Beck, H. 89-808  
89-624a  
Behmer, J. 89-884  
Bell, H.K. 89-999  
Bellamy, L.M. 89-849  
Bensaïd, R. 89-846  
Bense, M. 89-875  
Berman, S. 89-787  
Bies, W. 89-596  
89-818  
Binder, W. 89-917  
89-921  
Birkenbihl, V.F. 89-716  
Biswas, S.C. 89-809  
Black, U. 89-911  
Bliss, M. 89-1009  
Blumenthal, A. 89-956  
Bock, H.H. 89-767  
Boissy, J. 89-967  
Boose, J. 89-640  
Boose, J.H. 89-641  
Botnaru, R.V. 89-861  
Bourbakis, N.G. 89-1005  
Brachman, R.J. 89-709  
Bradshaw, J. 89-645  
Brandl, J. 89-971  
Breinessl, K. (Red.) 89-609  
Brenner, E.H. 89-632  
Brooks, D. 89-1004  
Broxis, P.F. 89-815  
Bruandet, M.-F. 89-746  
Budín, G. 89-685  
Budnitz, H. 89-918  
Bühler, H. 89-983a  
Burkhardt, H. 89-731  
89-732  
Busse, D. 89-988  
Butler, C.W. 89-934  
  
Capozzi, M. 89-733  
Carroll, J.D. 89-782  
Cazares, C.I. 89-661  
Celkova, L. 89-750  
Champawat, C.S. 89-833  
Chang, W.-Ch. 89-761  
Chen, J. 89-701  
Choros, K. 89-795  
Coates, E. 89-991  
Cocchiarella, N.B. 89-703  
Cok, A.L., Jr. 89-645a  
Comarom, J.P. (Ed.) 89-608  
Conrad, R. 89-912  
Cooter, M. 89-839  
Craven, T.C. 89-890  
Critchley, F. 89-758  
89-768  
Croft, W.B. 89-634  
  
Dahlberg, I. 89-671  
Damel, M.-Chr. 89-789  
Dascal, M. 89-734  
Dassa, R. 89-831  
Datta, J. 89-977  
Dave, R.K. 89-834  
Davis, B.H. 89-693  
Deaves, J.C. 89-1006  
Dechter, R. 89-773  
DeHart, F.E. 89-830  
Deirg, I.O. 89-983  
Desai, B.C. 89-755  
Dölling, J. 89-877  
Doron, E. 89-882  
Dow, D.G. 89-790  
Driscoll, J.R. 89-803  
Dryuchin, Yu.L. 89-935  
Dubinina, E.J. 89-851  
Duchesneau, F. 89-735  
Dunaev, V.V. 89-741  
Dykstra, M. 89-844  
  
Endres-Niggemeyer, B. 89-655 89-799  
Ezhov, A.S. 89-953  
  
Farrington, J.W. 89-1012  
Felentain, O. 89-850  
Ferguson, J.C. 89-936  
Ferligoj, A. 89-775  
Fetters, L.K. 89-629  
Fidel, R. 89-784  
Fijas, L. 89-894  
Foskett, D.J. 89-783  
Fuhr, N. 89-810  
Fujiwara, Y. 89-662  
Furnas, G.W. 89-762  
  
Gaines, B.R. 89-646  
Galinski, C. 89-965  
89-962  
Gams, M. 89-647  
Gappa, U. 89-647a  
Geißelmann, F. 89-1019  
Gilmore, M.B. 89-1007  
Gipper, H. 89-717  
Glorfeld, L.W. 89-763  
Gödert, W. 89-994  
Golden, R. 89-779  
Gorkova, V.I. (Comp.) 89-602  
Gorol, A. 89-848  
Gower, J.C. 89-1013  
Griffin, M.A. 89-785  
Grigyanets, R.B. 89-937  
Güntzer, U. 89-751  
  
Halsey, R.S. 89-679  
Harris, K. 89-866  
Hathaway, R.J. 89-769  
Hauffe, H. 89-919  
Hell, H. 89-867  
Herberg, D. 89-972  
Heuvel, T. van den 89-902  
Heyer, G. 89-702  
High, W.M. 89-828  
89-862  
Hildreth, Ch.R. 89-922  
Hisdal, E. 89-770  
Hoenigswald, H.M. 89-697  
(Ed.) 89-690  
Hoffmann, L. 89-892  
89-895 (Red.) 89-891  
Holiday, J. 89-680  
Holley, R. 89-1014  
Hollnagel, E. 89-718  
Hovi, I. 89-657  
Huestis, J.C. 89-825  
Humbley, J. 89-968  
Humphrey, S.M. 89-805  
89-806 89-945  
  
Hums, L. 89-986  
Hunter, E.J. 89-1022  
Hurford, J.R. 89-872  
  
Ingwersen, P. 89-653  
Intner, S.S. 89-995  
Iwuj, H.D.M. 89-871a  
  
Jansen-Winkel, R.M. 89-648  
Jappinen, H. 89-802  
Järborg, J. 89-950  
Jarke, M. 89-938  
Jeffery, C.D. 89-885  
Jendrzey, U. 89-907  
Johnson, N.E. 89-648a  
Johnson, P. 89-730  
Johnston, M. 89-878  
Jones, K.S. 89-887  
  
Kacnelson, S.D. 89-903  
Kalverkaemper, H. 89-948 89-973  
Karbach, W. 89-650  
Kaske, N.K. 89-930  
Kawamura, K. 89-1011  
Kelm, B. 89-838  
Khar'kovskaya, A.A. (Ed.) 89-976  
Kimberley, R. (Ed.) 89-816  
Klaassen, U. 89-753  
Klein, R.W. 89-771  
Kohli, B.L. 89-798  
Komorowski, H.J. 89-852  
Koskiala, S. 89-652  
Kovar, B. 89-729  
Krause, J. 89-804 89-792  
Kristal'nyi, B.V. 89-746  
89-840 89-841  
Kristen, H. 89-920  
Kromann, H.-P. 89-638  
Kucherov, Y.Ya. 89-927  
Kudryashchev, A.F. 89-723  
Kuleshov, S.G. 89-863  
Kürschner, M. 89-904  
Kwatra, P.S. 89-823  
  
Landsdale, M.W. 89-743  
Lasbo, P. 89-928  
Laurent, J.-P. 89-939  
Lehmann, M. 89-984  
Lerat, P. 89-960 89-961  
Leung, C.M.R. 89-756  
Lever, A.J. 89-1021  
Line, J. 89-864 89-865  
Lipetz, B.-A. 89-636  
89-813  
Lobanova, L.P. 89-951  
Longuet-Higgins, H.Ch. 89-715  
Lorenz, B. 89-1020  
Lotman, M.Yu. 89-889  
Lüstorff, J. 89-796  
  
Maas-Chauveau, C. 89-856  
89-858  
Majumder, D.D. 89-876  
Malige-Klappenbach, H. 89-663  
Mandel, C. 89-678  
Marinov, A. 89-992  
Markey, K. 89-674 89-871  
Marradi, A. 89-724  
Marsal, D. 89-704  
Massicotte, M. 89-922a  
Matejovic-Scott, M. 89-854  
Mauldin, M. 89-931  
Maulsby, D.L. 89-650a  
Mayoh, B. 89-932  
McDonald, R.P. 89-759  
  
Medvedev, A.A. 89-744  
Meghini, C. 89-929  
Meglio, D. 89-996  
Meink, P. 89-820  
Meink, P. (Ed.) 89-618  
Merrin, G. 89-1018  
Mesterhazi-Nagy, M.L. 89-868  
Metz, P. 89-989  
Mie, F. 89-686  
Miksa, F. 89-677  
Milligan, G.W. 89-764  
Milstead, J.L. 89-630  
Mitev, N.N. 89-598  
Moravcsik, M.J. 89-1002  
Morpurgo, D.A. 89-692  
Moshoeshoe, M.M. 89-658  
Müller-Lorentz, M. 89-738  
Murtagh, F. 89-760  
Mussen, M.A. 89-649  
Myall, C. 89-915  
Myhill, J. 89-705  
  
Nahotko, M. 89-745  
Nalimov, V.V. 89-727  
Neches, R. 89-913  
Nedobity, W. 89-707  
Neet, H.E. 89-786  
Nenkov, R. 89-1008  
Neshitov, V.V. 89-888  
Neubert, G. 89-974  
Nishisato, Sh. 89-765  
Norton, T. 89-611  
  
Oeser, E. 89-684  
Ogurtsov, A.P. 89-720  
Okada, A. 89-624  
Okaya, Y. 89-1001  
O'Neill, M. 89-940  
Orlov, Yu.K. 89-954  
Otman, G. 89-963  
  
Painter, J.D. 89-1024  
Pao, M.L. 89-656  
Patel-Schneider, P.F. 89-710  
Pavlovich, N.V. 89-957  
Pejtersen, A.M. 89-923  
Peniston, S. 89-616  
Percival, W.K. 89-691  
Perrin, G. 89-901  
Petöfi, J. (Ed.) 89-900  
Petrov, V.V. 89-910  
Phillips, M.K. 89-879  
Piekara, F.H. 89-933  
Piggott, M. 89-993  
Pinson, C. 89-860  
Pinto, M.M. 89-597  
Podpol'nyj, D.F. 89-886  
Polonskiy, V.M. 89-740  
Pombo, O. 89-736  
Prado, D. (Ed.) 89-619  
Preschel, B.M. 89-631  
  
Quian, W. 89-719  
  
Rasmussen, E.M. 89-781  
Rau, L.F. 89-800  
Rauh, G. 89-905  
Recker, B. 89-642  
Reichling, A. 89-1015  
Richter, M. 89-793  
Riggs, F.W. 89-949  
Rinne, B. 89-821  
Risko, A. 89-742  
Rogers, Y. 89-914  
Rohlf, F.J. 89-777  
Romanjuk, E. 89-797  
Rosenberg, St.T. 89-941  
Rousseau, P. 89-772  
Rowley, J.E. 89-1023  
Rubenstein, W.B. 89-869  
Rudkevich, A.V. 89-712  
Ruge, G. 89-660  
Rust, A. 89-896  
Ruvoivo, M. 89-694  
  
Salomatina, N.V. 89-908  
Sandison, A. 89-1003  
Sappan, R. 89-880  
  
Saracevic, T. 89-635  
Satija, M.P. 89-748  
89-835  
Schaeetzen, C. 89-978  
Schek, H.-J. 89-811  
Schmidt, H. 89-778  
Schnelling, H. 89-725  
89-791 89-801  
Schröder, S. 89-649a  
Scibor, E. 89-659  
Scott, D.S. 89-676  
Sebastia i Salat, M. 89-612  
Seise, K. 89-897  
Sellin, B. 89-857  
Sgall, P. 89-873  
Sharabkchiev, U.T. 89-774  
Sharif, C.A.Y. 89-944  
Shaw, M.L. 89-644  
Shopova, I. 89-822  
Sipkova, E. 89-794  
Soergel, D. 89-721  
Sokal, R.R. 89-776  
Soles, D.E. 89-728  
Sopova, J. 89-845  
Sosinska, B. 89-739  
Stajkova, Ts. 89-837  
Strauch, D. 89-625  
Strehlow, R.A. 89-708  
89-958  
Studwell, W.E. 89-826  
89-827 89-829  
Suktasyan, E.R. 89-836  
Svenonius, E. 89-673  
Sweeney, R. 89-824  
  
Takane, Y. 89-682  
Terent'eva, L.N. 89-713  
Thomas, D. 89-628 89-637  
Tikhonov, M.B. 89-955  
Titova, V.A. 89-842  
Tkacheva, L.B. 89-651  
Travis, I.L. 89-672  
Trawinski, B. 89-843  
Tyutyunnik, V.M. 89-639  
  
Van Pulis, N. 89-924  
Vasilevich, A.P. 89-883  
Vélez-Vendrell, N. 89-832  
Veselov, P.V. 89-979  
Vesonder, G.T. 89-942  
Vieria, S.B. 89-601  
Vigil, P.J. 89-925  
Vizine-Goetz, D. 89-600  
Volkova, I.I. 89-975  
  
Wade, St. 89-946  
Walker, St. 89-926  
Wang, W.S.-Y. 89-696  
Warner, A.J. 89-654  
Wattiaux, J.-P. 89-855  
Wegst, T. 89-881  
Weinberg, B.H. 89-788  
(Ed.) 89-626  
Wellisch, H.H. 89-595  
89-627  
Wells, W. 89-966  
Welzer, T. 89-757  
Wenzel, N. 89-898  
Whitehead, J. 89-817  
Wiegand, H.E. 89-952  
Wiegand, I. 89-899  
Wiener, L.A. 89-695  
Wierzbicka, A. 89-947  
Williamson, N. 89-675  
89-681 89-824a  
Wilson, J. 89-807  
Wojtala, J. 89-814  
Wormell, I. (Ed.) 89-943  
  
Yannakoudakis, E.J. 89-711  
Yates-Mercer, P.A. (Ed.) 89-622  
Yoshida, K. 89-909  
Young, E. 89-990  
Young, P. 89-737  
  
Zelinsky-Wibbelt, C. 89-906  
ZveginsteV, V. 89-874