* Divisions of 04, 5, 6, 78, 82 and 88 according to the Information Coding Classification (ICC) described and displayed In Int.Classif.9(1982)No.2, p.87-93 and In the International Classification and Indexing Bibliography, Vol.1.(1982).

A further division of the above scheme (by one and sometimes two levels) was published In Int.Classif.12(1985)No.3, p.147-151.
From this more detailed scheme It will be visible that subject fields may also occur In many cases on the third and also forth level of division, indicated by the number 8.

** Monographs on special topics at special subdivisions.

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

We offer to send copies of the abstracts of the references cited to anybody interested.

Language abbreviations:

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

0 FORM DIVISIONS

01 Bibliographies

2-001   013
Kumanova, A.V.: Recommended bibliography on bibliography type
classifications: Theories of the European OMEA member coun-
tries. Orig.ru. Vopr.bibliografoved.i bibliotekoved., No 11,
1990. p.41-58

03 Dictionaries, Terminologies

2-002   036
Programming tools of computers: Exp Anatory terminological
dictionary. Orig.ru. Moskva, SU: Izdatel'stvo Standartov 1990.
368   p.
5000 Russian terms with English equivalents and explanations.

2-003   036
Borkovsky, A.B.: English-Russian Dictionary of Computers and
Programming (with explanations). Orig.ru. Moskva, SU: Russkij
Yazik 1989. 335p.
Approx. 6 000 terms.

2-004   032
Bies, W.: Book review of Keitz, S.v., Keitz, W.: Dictionary of
Library and Information Science. English/German, German/Eng-
lish. Weinheim: VCH 1989. 408p. Orig. de.
Lebende Sprachen, No 3, 1991. p.137

2-005   036
Pershikov, V.I.; Savinkov, V.M.: Explanatory dictionary of in-
formatics. Orig. ru.
Moskva, SU: Finansy i Statistika 1991. 543p.
More than 10 000 Russian terms with English equivalents and
explanations. Index of English terms, p.454-536.

2-006   036
Machovec, G.S.: Telecommunications and networking glossary.
Orig.en. Chicago, IL: Amer.Libr.Assoc., Libr.& Inform.Technol.
Assoc.(LITA) 1990. 63p., refs., LITA Guides 3
Provides brief non-technical definitions of telecommunication
and networking terms and acronyms frequently appearing in li-
brary automation and computer literature. Selective bibliogra-
phy for further information.

04 Classification Systems & Thesauri

041 General Classification Systems and Thesauri

2-007   0448
Revised Library of Congress Subject Headings: Cross-references
from former to current subject headings, first edition. Wash-
ington, DC: Library of Congress 1991. 352p., NTIS PB91-220459/
HCW.

048- Special Classification Systems and Thesauri

2-009   048-35; -376
Belke, F.: Thesaurus Gas/Wasser. Grundwerk. Stand: 31.3.1991.
(Thesaurus gas/water. Basic publication. Date 31st March 1991)
Orig.de. Bonn, DE: Bundesverband d.dt.Gas- u.Wasserwirtschaft
1991. 531p.
Comprises almost 3000 descriptors and 2500 non-descriptors ar-
ranged in systematic and alphabetical order. A survey of the
subject groups is provided as well as further introductions
concerning notation, thesaurus fields, etc.

2-010   048-51/4
WHO: A proposed Standard International Acupuncture Nomencla-
ture. Report of a WHO Scientific Group. Geneva: World Health
Organization 1991. VI,30p. ISBN 92-4-154417-1
Record of the consensus reached by a group of 12 experts com-
missioned to develop a standard international nomenclature for
the identification of meridians, points, and lines used in
acupuncture. Under development since 1981.

2-011   048-542
Lorenz, R.; Schmitt, H.P., Wagner, G., Amelung, F. (Eds.):
Traumatologie - Standardisierte Nomenklatur der traumatisch be-
dingten Verletzungen und Schädigungen des Nervensystems. (Neu-
ro-traumatology - Standardized nomenclature of traumatically
caused injuries and damages of the nervous system) Orig.de.
Berlin-Heidelberg: Springer 1990. 288p., ISBN 3-540-52136-4
Contains about 250 concepts with their preferred terms in
German, their corresponding terms in French and English, their
synonyms and short and precise definitions, often accompanied
by statements on etiology, therapy, prognosis and references
to related concepts.

2-012   048-56
Roulin, C.: Toward the European education metathesaurus. Orig.
en. Brussels, BE: EURYDICE European Unit/ERIC 1990. 118p.,
ED 331 478/HCW
The European Education Metathesaurus is the set made up of the
European Education Thesaurus (the 3rd ed.of the EUDISED The-
saurus) and the indexing languages that will be attached to it
whether sub-thesauri, specialized vocabularies, co-thesauri,
or national vocabularies.

2-013   048-657
Thesaurus für wirtschaftliche und soziale Entwicklung. 1: Al-
phabetischer Teil, 2.Strukturierter Teil, 3.Register-Teil.
en-de, fr-de, es-de. Bonn, DE: Deutsche Stiftung für Interna-
tionale Entwicklung 1991. 34p. ISBN 3-924441-51-0.

2-014   048-668
Schwietzke, J.: Die neue Systematik für das Recht der Europä-
ischen Gemeinschaften (EG) des Max-Planck-Instituts für Völ-
kerrecht (Heidelberg). (The new classification system for Eu-
ropean Community law of the Max-Planck-Institut für Völker-
recht) Orig.de. Recht - Bibliothek - Dokumentation 21(1991)No
3, 1991. p.157-176

2-015   048-69
Dokumentationsstelle für unkonventionelle Literatur: Standard-
schlagwortliste. (Authority list of the documentation center
for unconventional literature) Orig.de. Stuttgart: Bibliothek
für Zeitgeschichte 1991.
Contains 4 041 entries, including references. There is a list
for subject terms, event terms, corporate and personal names.

2-016a   048-92
Rix, I.; Arb.Gruppe "Erschließung der Belletristik" (Comp.):
Thematischer Katalog der Belletristik: Gliederungen u.Erläute-
rungen. (Thematical catalog of belles lettres: Outline and ex-
planations) 3rd rev.ed. Berlin: Zentralinst.f.Bibliothekswe-
sen 1991. 44p.

2-016b   048-92
Maschke, U. (Comp.); Arb.Gruppe "Erschließung von Kinderlite-
ratur": Thematischer Katalog der Belletristik - Kinderlitera-
tur. 2.veränd.Aufl. (Thematic catalogue of belles lettres -
books for children, 2nd rev.ed.) Orig.de. Berlin, DE: Zentral-
inst.f.Bibliothekswesen 1991. 41p.

2-017   048-93
Bauer,G.: (Book review of) Harrold, A., Lea, G.: MUSAURUS: A
music thesaurus. A new approach to organizing music informa-
tion. London: Music Press 1991. 128p. Orig.en. Int.Classif.
Vol 19, No 1, 1992. p.39, 4 refs.

06 Conference Reports, Proceedings

2-018   06.89-06-20/21
International Conference on Library Classification and its
functions, Edmonton, Canada, June 20-21, 1989. Edmonton, Al-
berta, 1989. VIII,166p.
2-019 Nitecki, A.: An introduction to contemporary classifica-
tory thought. - 2-020 Fell, T.: The bibliothecal function of
classification. - 2-021 Svenonius, E.: Bibliographical classi-
fication. - 2-022 Dykstra, M.: Canada's role in bridging the
North American/European approach to classification. - 2-023
Comaromi, J.P.: Comparison of major classification schemes. -
2-024 Rees-Potter, L.: Concept relationships in dynamic the-
sauri: Research into thesaurus construction. - 2-025 Craven,
T.C.: Cognitive function of classification: The role of libra-
ry classification in thesaurus construction. - 2-026 Salton,
G.; Araya J.: On the use of clustered file organization in in-
formation search and retrieval. - 2-027 Wilson, C.R.; The ex-
portability/transfer of classification: Some anthropological
perspectives.

2-028   06.89-10-5/6
Vogeler, H.: (Book review of) Stephan,W.(Ed.): Die Schlagwort-
normdatei. Entwicklungsstand und Nutzungsmöglichkeiten. Vor-
träge eines Kolloquiums..., Frankfurt, 5.-6.Okt.1989. Berlin:
DBI 1990. 179p. (Cooperative Subject Indexing, a Colloquy)
Orig.de. Z.Bibl.wes.u.Bibliogr. Vol 38, No 4, 1991. p.386-388

2-029   06.90-08-14/17
Jones,Kevin: (Book review of) Tools for Knowledge Organization
and the Human Interface. Proc.1st Int.ISKO Conference, arm-
stadt, 14-17 Aug.1990. Frankfurt: INDEKS Verl.1990/91. 2 vols.
= Adv. in Knowledge Org., 1 & 2. Indexer 18(1992)No 1, p.66-67

2-030   06.90-08-14/17
Sukiasyan, E.R.: Sredstva organizatsii znanij i chelovecheskogo
vzaimodejstviya". Pervaya Mezhdunarodnaya Konferentsiya ISKO,
Darmstadt, FRG, 14-17 Avg.1990 g. (Tools for Knowledge Organi-
zation and the Human Interface. First International ISKO Con-
ference, Darmstadt, 14-17 Aug.1990) Orig.ru. Bibliotekovedenie
i Bibliografiya za Rubezhom, No 131, 1991. p.66-72

2-031   06.91-02-21/22; 156
Birk, A.; Reinartz, Th.: Erster gemeinsamer Workshop der GI-
Fachgruppen "Knowledge Engineering und Kognition". (First com-
mon workshop of the GI-Committees on Knowledge Engineering and
Cognition) Orig.de. Künstl.Intelligenz Vol 5, 1991, No.2, p.46
The workshop took place on 21-22 Febr.1991 at the Deutsches
Forschungszentrum für Künstliche Intelligenz (DFKI) in Kai-
serslautern.

2-032   06.91-02-25/27
Goebl, H.; Schader, M.(Eds.): Datenanalyse, Klassifikation und
Informationsverarbeitung. Methoden und Anwendungen in ver-
schiedenen Fachgebieten. (Data analysis, classification and
information processing) Orig.de. Heidelberg,DE: Physica-Verlag
1992. 284p., ISBN 3-7908-0612-9
Contains the 23 German language contributions of the 15th
Annual Conference of the Gesellschaft für Klassifikation e.V.,
Salzburg 25-27 Febr. 1991 and one contribution in addition
(by P.Simons) at a request of the editor.
2-033 Hafner,J.: Klassifikation aus wissenschaftstheoretischer
Perspektive. - 2-034 Hohenegger, J.: Die Art als basales Ele-
ment des Systems der Organismen. Ein Klassifikationsproblem.
2-035 Simons, P.: Philosophische Aspekte der Klassifikation.
2-036 Figge, U.L.: Zwei Grundprinzipien der Wortschatzklassi-
fikation. - 2-037 Kauffer, M.: Sprachliche Klassifikation und
Analyse von Nominalkomposita in Speisebezeichnungen anhand in-
formatischer und statistischer Methoden. - 2-038 Kristophson,
J.: Einsatz numerischer Verfahren für Textüberlieferungsprob-
leme. - 2-039 Philipp, M.; Levieuge, G., Levieuge-Colas, E.:
Sprachgeographische Datenanalyse im germanophonen Lothringen.
2-040 Stadler, P.: SERION - Programmpaket zur chronologischen
und chorologischen Auswertung archäologischer Daten. - 2-041
Zelger, J.: Nichtreduktive Darstellung und Analyse von Mei-
nungs-Netzen mit PC-Unterstützung. - 2-042 Gerß, W.: Beispiele
zur Klassifikation avifaunistischer Daten. - 2-043 Nagel, M.;
Höring, H., Wernecke, K.-D.: Kartographie und hochinteraktive
Datenanalyse. Ein Konzept. - 2-044 Schuler, M.: Stadtregionen
und Agglomerationen: Die Vielfalt statistischer Definitionen
von urbanen Räumen in Europa. - 2-045 Todorov, R.; Winterhager,
M.: Konstruktion von Beziehungen zwischen Klassifikationsklas-
sen: Ein quantitativer Ansatz. - 2-046 Scholl, C.: Wahrschein-
lichkeit, Statistik und Recht. 2-047 Havekost,H.: Drehscheibe
ISBN: Weg zum internationalen Fachwörterbuch. - 2-048 Lorenz,
B.: Sacherschließung von Literatur durch Stichwortsuche im
OPAC? - 2-049 Preuss, L.: TAXIS - Ein elektronischer Biblio-
theks-Katalog. - 2-050 Volk, M.; Mittemaier, H., Schurig, A.,
Biedassek, T.: Halbautomatische Volltextanalyse, Datenbankauf-
bau und Document Retrieval. - 2-051 Kessing, O.: Dynamisierung
strategischer Planungsinstrumente mit Hilfe multimedaler Ana-
lysemodelle. - 2-052 Nollau,H.-G.: Die Integration der Zeitrei-
henanalyse in Management-Entscheidungssystemen unter Berück-
sichtigung software-ergonomischer Entwurfs- und Bewertungskri-
terien. - 2-053 Steckner, C.: Designanalyse und Packungsopti-
mierung. -2-054 Fischer, R.-J.: Untersuchungen zur Selektivi-
tät formal erzeugter Deskriptoren bei der halbautomatischen
Klassifizierung medizinischer Texte. - 2-055 Grimm, J.: Die
Repräsentatenanalyse - ein neuer Weg zur Strukturierung von
Variablen oder Objekten. - 2-056 Wernecke, K.-D.: Ein Diskri-
minationsverfahren für gemischte Datensätze.

2-057   06.91-03-26/28; 124
Baader,F.; Kobsa, A., Profitlich. H.-J.: AAAI'91 Spring Sympo-
sium: Implemented Knowledge Representation and Reasoning Sys-
tems. Orig.de. Künstl.Intelligenz 5(1991)No 3, p.24-25, 1 ref.
The Symposium took place from 26-28 March 1991 at Stanford
University. Report on results.

2-058   06.91-04-22/25; 124
Hollunder,B.; Nebel,B.: Second International Conference: Prin-
ciples of Knowledge Representation and Reasoning - KR'91. Orig.
de. Künstl.Intelligenz Vol 5, No 3, 1991. p.26-27
The first conference took place at Toronto in 1989, this 2nd
one in Camridge, Mass., April 22-25, 1991 with some 180 partici-
pants. 200 papers had been received, 50 were selected for pre-
sentation.

2-059   06.91-05-14/16; 78-4
Problems of Access to Standardized Biological Terminology
Meth.Inform.Med. 30(1991)No.4, p.322
Report on a Workshop in Nancy, May 14-16 1991, held by the
CODATA Commission on Standardized Terminology for Access to
Biological Data. It was proposed to create an international
Term Bank available to the international scientific community.

2-060   06.91-07-1/3
Kulaš, Maria: International Workshop - PDK'91, Processing De-
clarative Knowledge. Representation and Implementation Methods
Orig.de. Künstl.Intelligenz Vol 5, No 3, 1991. p.32-33

2-061   06.91-07-22/24
Hoppe, Th.: European Workshop on the Verification and Valida-
tion of Knowledge-based Systems. Orig.de. Künstl.Intelligenz
Vol 5, No 4, 1991. p.24-25
The workshop took place at Jesus College in Cambridge, Eng-
land, 22-24 July 1991.

2-062   06.91-08-21; 925
Williamson, N.: IFLA Section on Classification and Indexing.
Orig.en. Int.Classif. Vol 19, No 1, 1992. p.32
Short report on activities and the Section meeting during the
IFLA Conference at Moscow, Aug.1991.

2-063   06.91-09-16/20
Winkelmann, K.: Wissensbasiertes Retrieval in großen Datenban-
ken. Workshop 7 der GWAI'91. (Knowledge-based retrieval in
large databases) Orig.de. Künstl.Intelligenz Vol 5, No 4, 1991.
p.26-28, 9 refs.

2-064   06.91-09-28/29
Stoberski, Z.: 3rd IOUTN/WBIT Congress. Orig.en.
Int.Classif. Vol 19, No 1, 1992. p.26
IOUTN = International Organization for Unification of Termino-
logical Neologisms, WBIT = Work Bank of International Terms.
The Congress took place at Warsaw, Sept.28-29, 1991.

2-065   06.91-10-01
Ohly, H.P.: Wissensrepräsentation nicht nur technischgesehen.
(Knowledge representation, seen not only under a technical
point of view) Orig.de. Nachr.Dok. 43(1992)No 2, p.112-113
Report on the Session of the DGD-Committee "Knowledge Proces-
sing, Artificial Intelligence and Information Science" during
the Conference of the German Documentation Society, Ulm 1991.

2-066   06.91-10-3; 925.77
Meeting of ISO/TC37/SC1 "Principles of Terminology". Int.Clas-
sif. 19(1992)No.1, p.25

2-067   06.91-10-13/16
Fuhr, N.: SIGIR'91. 14.ACM/SIGIR Conference in Chicago.
Orig.de. Nachr.Dok. Vol 43, No 2, 1992. p.115-117
Report on the ACM/SIGIR Conference on Research and Development
in Information Retrieval, 13-16 Oct.1991, Chicago. More than
200 participants discussed 32 selected contributions.

2-068   06.91-10-15/18
Gödert,W.; Jaenecke, P., Schmitz-Esser,W.(Eds.): Kognitive An-
sätze zum Ordnen und Darstellen von Wissen. 2.Tagung der Deut-
schen ISKO-Sektion, mit den Vorträgen des Workshops "Thesauri
als Werkzeuge der Sprachtechnologie", Weilburg, 15.-18.Okt.
1991. Orig.de & en. Frankfurt/Main: INDEKS 1992. VIII,344p. =
Fortschritte in der Wissensorganisation, Bd.2.
The volume contains selected papers of this conference in the
following topical areas: Origin and development of intelli-
gence and knowledge. Cognitive approaches. Order and recogni-
tion. Knowledge organization in application areas. Subject
analysis. Education. Thesauri as tools of language technology.
A name and subject index concludes the volume.
2-069 Umstätter, W.: Die evolutionsstrategische Entstehung von
Wissen. - 2-070 Jaenecke, P.: Über den Ursprung von Intelli-
genz. - 2-071 Shrejder, J.A.: The cognitive approach: A tool
to resolve the opposition between technical and cultural as-
pects of knowledge. - 2-072 Löckenhoff, H.: Zur kreativen Be-
wältigung von Komplexität in der Wissensordnung. - 2-073
Rahmstorf, G.: Semiotische Aspekte der visuellen Wahrnehmung.
2-074 Ohly, H.P.: Informationeller Qualitätssprung durch Wis-
sensbasierung? - 2-075 Jaenecke, P.: Was ist ein neuronales
Netz? - 2-076 Dahlberg,I.: Gestaltungsprinzipien und Anforder-
ungskatalog für ein neues universales Ordnungssystem des Wis-
sens. - 2-077 Greiner,G.: Ordnung ist (nur) das halbe Leben .
2-078 Hunger, A.; Retz, H.: Datenmodelle und deren grafische
Repräsentation. - 2-079 Schopen, M.: Strukturierte Suche mit
GRIPS-Menu in den Datenbanken des Deutschen Instituts für me-
dizinische Dokumentation und Information, DIMDI. - 2-080
Zoller, P.: Die wohldurchdachte Aufbereitung des Informations-
angebotes, Teil einer computergestützten Sachbearbeitung. -
2-081 Lorenz, B.: Klassifikation im Bibliotheksverbund: Das
Beispiel der Regensburger Aufstellungssystematiken. - 2-082
Nedess,Ch.; Borrmann,H.P.: Strukturierung und Verarbeitung von
industriellen Erfahrungswissen zur Fehlervermeidung durch das
System "wbDok". - 2-083 Czap, H.: Informationsverarbeitung bei
Homonymie und Synonymie der Unternehmensdaten. - 2-084 Vischer,
J.: Technische Dokumentation. - 2-085 Mater, E.: Zur Abhängig-
keit der Ergebnisse maschineller Indexierung vom verwendeten
Begriffssystem. - 2-086 Bies, W.: Linguistische Pragmatik -
eine vernachlässigte Referenzdisziplin in der Inhaltserschlies-
sung. - 2-087 Riplinger, Th.: Syntaktische Indexierung durch
Aspektcodierung. Zukunft der Eppelsheimer Methode. - 2-088
Domokos, M.: How and what to teach about classification to
students of library science. - 2-089 Nohr, H.; Puhlmann, H.:
Ausbildung im Fach Inhaltserschließung vor verändertem techni-
schen Hintergrund. - 2-090 Meder, N.: Aus- und Weiterbildungs-
fragen im Kontext von Wissensorganisation. - 2-091 Schmitz-Es-
ser, W.: Neue Anwendungsgebiete für Thesauri. - 2-092 Kracker,
M.: Vom Nutzen unscharfen Begriffswissens. Fuzzy Thesauri für
die Unterstützung der Formulierung von Anfragen und Faktenda-
tenbanken. - 2-093 Sarre,F.; Güntzer,U., Myka,A., Jüttner, G.:
Maschinelles Lernen von Relationen für Thesauri und Hypertext.
2-094 Sechser, O.: Beziehungen im Sprachsystem und in Texten.
2-095 Zimmermann, H.: Wortrelationierung in der Sprachtechnik
- Stilhilfen, Retrievalhilfen, Übersetzungshilfen. - 2-096
Luckhardt, H.-D.: Klassifikationen und Thesauri für automati-

sche Terminologieunterstützung, Maschinelle Übersetzung und computergestützte Übersetzung. – 2-097 Zimmermann, H.: Anmerkungen zur Neugestaltung der DIN 1463 (Thesauri). – 2-098 Schmitz-Esser, W.: Ergebnis des Workshops.

2-099   06.91-10-16/18
Bies, W.; Ohly, H.P.: Cognitive approaches to the ordering and presentation of knowledge: 2nd Conference of the German Chapter of ISKO, Weilburg, 16-18 Oct.1991. Orig.en.
Int.Classif. Vol 19, No 1, 1992. p.28-30
Slightly revised version of the report in German following (2-100).

2-100   06.91-10-16/18
Bies,W.; Ohly, H.P.: Kognitive Ansätze zum Ordnen und Darstellen von Wissen. Orig.de. Nachr.Dok. 43(1992)No 2, p.113-115
Report on the 2nd Conference of the German Chapter of the International Society for Knowledge Organization: ISKO, Weilburg 16-18 Oct.1991. (see also 2-068-)

2-101   06.91-10-27/31
Williamson, N.: ASIS/SIG/CR. Orig.en. Int.Classif. Vol 19, No 1, 1992. p.30-31
Report on the SIG/CR sessions at the 1991 Annual Meeting of ASIS in Washington, DC, Oct.27-31, 1991.

2-102   06.91-11-4/7
Herget,J.; Rittberger, M.: Wissensbasierte Informationssysteme und Informationsmanagement. 17.Internationales Kolloquium für Information und Dokumentation in Verbindung mit ISI'91. Orig. de. Nachr.Dok. Vol 43, No 2, 1992. p.119-121

2-103   06.91-11-07
C.I.G.S. Cataloguing and Indexing Group in Scotland. Fourth OPAC Forum.
Cat.& Index (1991)No.101-102, p.9

07 Textbooks

2-104   07.3
Thiele,R.:   Ein Lehrbuch für die Klassifikationstheorie?   (A textbook for classification theory?) Orig.de. Mitt.bl.Bibl. NRW Vol 42, No 1, 1992. p.2-14, 54 refs.
A review article assessing the qualities of Brian Buchanan's "Theory of library classification." London 1979, of which a German translation has been published by K.G.Saur Verlag, München as "Bibliothekarische Klassifikationstheorie" in 1989.

08 Other Monographs

2-105   08.3
Bakewell,K.G.B.: (Book review of) Meadows,A.J.(Ed.): Knowledge and communication: Essays on the information chain. London: Libr.Assoc.1991. IX,164p. Orig.en. Indexer 18(1992)No 1, p.65

2-106   08.3
Satija, M.P.: (Book review of)   Meadows, A.H.(Ed.): Knowledge and communication: Essays   on the information chain. London: Libr.Assoc.1991. IX,164p.. Orig.en. Int.Classif. Vol 19, No 1, 1992. p.39-41, 2 refs.

2-107   08.387
Teufel, B.: Organization of Programming Languages. Wien-New York: Springer   Verl.1991.   XI,207p.,   ISBN   3-211-82315-8
The book is about high-level programming languages, introducing the basic concepts that underlie various programming languages. Three major approaches to the description of semantics in programming languages are briefly introduced. Examples are given from ADA, PASCAL, MODULA-2, OBERON, C++, SIMULA 67, SMALLTALK-80 and EIFFEL.

2-108   08.711
Harter,S.P.: (Book review of) Blair, D.C.: Language and representation in information retrieval. Amsterdam: Elsevier Science Publ.1990. X,335p.. Orig.en. Libr.Quarterly Vol 61, No 2, 1991. p.221-223

2-109   08.715
Raggett, J.; Bains, W.: Artificial intelligence from A to Z. Orig.en. London, GB: Chapman & Hall 1992. 256p.
Introduction to the key issues in AI and associated topics.

2-110   08.756
Chamis, A.Y.: Vocabulary Control and Search Strategies in Online Searching. Orig.en. Westport, CT: Greenwood Press 1991. 136p., ISBN 0-313-25490-7

2-111   08.714
Nöth, W.: Handbook of Semiotics. Orig.en. Bloomington, IN: Indiana University Press 1990. 576p., ISBN 0-253-34120-5
2-112   08.714
Deely, J.: Basics of Semiotics. Orig.en. Bloomington, IN: Indiana University Press 1990. 149p., ISBN 0-253-31676-6

2-212a Book review of 2-211 and 2-212 by David C.Blair in Library Quarterly 61(1991)No.2, p.367-368

09 Standards, Guidelines

2-113   09.23d
SIBID.   Multilingual   information retrieval thesaurus: Composition,   structure,   and   main   design criteria. Orig.ru. Moskva: GOST 1990. = GOST 7.24-90

1 THEORETICAL FOUNDATIONS
12 Conceptology in Classification

2-114   121
Bealer, G.: A solution to Frege's puzzle. Orig. en.
TA Informations, No 2, 1990. p.7-38, 83 refs.
The paper (a reprint of Philosophical Perspectives) presents a new approach to a family of logical and semantical puzzles. What is needed to solve the puzzles is an enriched theory of propositions and their logical form. An algebraic theory introduced allows for hyper-fine-grained intensional distinctions based on differences in logical form, it leads to a new understanding of the theory of predication implicit in Frege's theory of senses and allows to incorporate non-Platonic modes of presentation. By this elusive non-descriptive, non-metalinguistic propositions, responsible for the puzzles can be identified.   (Author, abbr.)

2-115   122
Gomez,F.; Segami, C.; Classification-based reasoning. Orig.en. IEEE Transactions on Systems, Man & Cybernetics Vol 21, No 3, 1991. p.644-659, 12 refs.
The ideas explained have been implemented and are part of the information retrieval component of Snowy, a program that understands scientific paragraphs. The appendix contains a brief session with this program.

124   Knowledge Representation
See also 2-057, -058, -065, -141

2-116   124
Kenke, Ch.: Die Darstellung von ungenauem Wissen in taxonomischen Wissensbasen. (The representation of fuzzy knowledge in taxonomic knowledge bases) Orig.de. Künstl.Intelligenz Vol 5, No 2, 1991. p.12-19, 79 refs.

13 Mathematics in Classification

2-117   133
Leuschner, D.: A mathematical model for classification and identification. Orig.en. J.Classif. Vol 8, No 1, 1991, p.99-113, 18 refs.

2-118   134
Abel, D.J.; Mark, D.M.: A comparative analysis of some two-dimensional orderings. Orig.en. Int.J.Geogr.Inform.Syst. Vol 4, No 1, 1990. p.21-31, 24 refs.
The relative merits of five orderings (row, row prime, Hilbert, Morton and Gray code) are assessed empirically for four paradigmatic geographic DP tasks in spatial analysis and data management. It is concluded that the Hilbert ordering deserves further investigation.   (Author, abbr.)

2-119   135; 143
Nazareth, D.L.; Kennedy, M.H.: Verification of rule-based knowledge using directed graphs. Orig.en. Knowledge Acquisition Vol 3, 1991. p.339-360, 24 refs.

2-120a   136
Egghe, L., Rousseau, R.: Introduction to informetrics: Quantitative methods in library, documentation and information science. Amsterdam: Elsevier Science Publ.1990. XII,450p.

2-120b Book review of 2-120a by J.Tague in Libr.Quart. 61(1991) No 2, p.220-221

2-121a   138-4
Bienenstock, E., Fogelman Soulié, F., Weisbuch, G.(Eds.): Disordered systems and biological organization. Berlin-Heidelberg, etc.:   Springer   Verl.1986.   XXI,405p.
The aim of the NATO Workshop in Les Houches, March 1985, on Disordered Systems and Biological Organization was to analyze disorder in complex biological systems with local interactions. The 40 papers are arranged under the following 5 headings: Automata Theory. Physical Disordered Systems. Formal Neural Networks. Combinatorial Optimization. Models of Biological Organization.

2-121b Book review of 2-121a by P.Tautu in Meth.Inform.Med. Vol 30, No 3, 1991. p.232

2-122   139
Wright, M.H.: Book review of Ratschek, H., Rokne, J.: New com-
puter methods for global optimization. Wiley 1988. 236p.
Orig.en. J.Classif. Vol 8, No 1, 1991. p.129-131
The reviewer states: "the best features of this book are its
detailed presentation of definitions and theory about interval
analysis, and the description and motivation of several inter-
val-based global unconstrained and constrained optimization
methods. The authors include numerous examples that illustrate
the definitions, and take pains to clarify the less obvious
parts of the methods described."

14 Systems Theory in Classification

2-123   142
Fivaz, R.: Thermodynamics of complexity. Orig.en.
Systems Research Vol 9, No 1, 1991. p.19-32

2-124   142
MacDonald, B.A.: Instructable systems. Orig.en.
Knowledge Acquisition Vol 3, 1991. p.381-420, 57 refs.
Systems need to be instructable, to provide end-users with the
opportunity to automate repetitive tasks. Instructable systems
– both real robots and metaphorical agents – must acquire
skills and knowledge from examples and other instructions ea-
sily given by users in factories, laboratories and offices.
The instructability of a system includes its predisposition to
human instructions, the classes of task the system can learn
and the speed of learning. The human interface must exploit the
user's natural instructional abilities and require minimal ac-
quisition of expertise prior to teaching.   (Author, abbr.)

2-125   143
Auger, P.M.: Self-organization in hierarchically organized sys-
tems. Orig.en. Systems Research 7(1990)No 4, p.221-36, 39 refs.
The aim of this paper is to show that the couplings between
the hierarchical levels of a system which are divided into two
contriutions, bottom-top and top-bottom lead to self-organiza-
tion processes and also to show that systems have a spontane-
ous tendency to self-organize in a hierarchical manner. It is
concluded that the entropy of a hierarchically organized sys-
tem can be larger than the entropy of a non-hierarchical one.

2-126   146
Engelberg, J.: On integrative study. Orig.en.
Systems Research Vol 9, No 1, 1991. p.5-17
Integrative study contemplates principles of integration re-
vealed by life at its many hierarchic levels.

2-127   147
Iyer, Hemalatha: Subject representation and entropy. Orig.en.
Int.Classif. Vol 19, No 1, 1992. p.15-18, 14 refs.

2-128   148-722
Löckenhoff,H.: Book review of Fisch,R., Boos,M.(Eds.): Vom Um-
gang mit Komplexität in Organisationen. Konstanz: Univ.Verlag
1990. (Concerning the handling of complexity in organizations)
Orig.en. Int.Classif. Vol 19, No 1, 1992. p.42-43

15 Psychology and Classification

2-130   153; 72
Badalamenti, A.F.: Language and the intuition of meaning.
Orig.en. Systems Research Vol 8, No 4, 1991. p.43-66, 28 refs.
Proposed concepts on the nature language and the intuition of
meaning are presented using existential and mathematical pri-
mitives. Topologically exact results are given for the struc-
ture of human memory, for the inner nature of a meaning and
for some of the psychic principles which give rise to language.
These results follow from a linguistic model which so defines
a verb that all other linguistic elements become special cases
of it. Both the topological and clinical results on the emer-
gence of language and the perception of meaning support this
position. Some results are also given on the structure and
formation of non-verbal meaning.   (Author)

2-131   153
Nishanov,V.K.: The understanding phenomenon: A cognitive anal-
ysis. Orig.ru. Frunze: Ilim 1990. 227p.
Reasons behind a number of failures in developing a general
theory of understanding are pointed at; the phenomenon of un-
derstanding in human communication and cognition is analysed.

2-132   153
Parakhonskij, B.A. (Ed.): Logic, psychology and semiotics: In-
teraction dimensions. Collected works. Orig. ru.
Kiev, SU: Nauk.Dumka 1990. 160p.

2-133   154
Wrobel, St.: Die Umweltverankerung von Begriffsbildungsprozes-
sen. (The impact of an environmental on concept formation pro-
cesses) Künstl.Intelligenz 5(1991)No 1, p.22-26, 39 refs.

156   Knowledge Acquisition

2-134a   156
Doerr,H.: (Book review of) Fetzer, J.H.(Ed.): Epistemology and
Cognition. Dordrecht,NL: Kluwer Academic Publ.1991. XIII,301p.
(=Studies in Cognitive Systems, Vol.6). Orig.en. SIGART Bull.
Vol.3, No.1, 1992. p.27-29, 6 refs.
This is a collection of papers which appeared originally in
Synthese (1990)Nos.82 and 83.

2-134b   156
Gavrilova, T.A.: What is the difference between knowledge eli-
citation and knowledge acquisition? Orig.ru.
Uch.Zap.Tart.Gos.Universiteta, No 903, 1990. p.37-44, 7 refs.
Definition of the concepts 'knowledge elicitation' and 'knowl-
edge acquisition'. Methods used in knowledge elicitation are
listed and some of them described.

2-135   156
Kapus, T.: Knowledge in distributed systems. (Orig. Slovenic)
Informatica Vol 14, No 3, 1990. p.63-71

157 Computerization of Thought Processes

2-136   157
Gebhardt, F.: Choosing among competing generalizations.
Orig.en. Knowledge Acquisition Vol 3,1991. p.361-80, 17 refs.
The user is less interested in all the "best" partial genera-
lizations (according to a given criterion) if they are quite
similar rather than in some diverse ones, even if they are,
taken individually, less satisfactory. This vague goal concept
is made more precise and a procedure is developed and examined
that employs two notions: a measure for the quality of a
single generalization (called evidence) and an asymmetric mea-
sure for the similarity of two generalizations (called affini-
ty). These two co-operate in suppressing generalizations that
are worse than, but not too different from, another generali-
zation. The selection procedure works satisfactorily in dif-
ferent environments.   (Author, abbr.)

16 Development of Science and Classification

2-137   162
Pierce, S.J.: Subject areas, disciplines, and the concept of
authority. Orig.en. Libr.& Inform.Sci.Research Vol 13, 1991.
p.21-35
Because evaluations of "authority" normally depend on reputa-
tions in academic circles, the use of authority in evaluating
information sources requires some appreciation of the nature
and limitations of relevant authority structures. A review of
relevant literature demonstrated that boundaries of the sub-
ject-specific areas whithin which authority is established
parallel those of academic disciplines. .. Authoritative sour-
ces, are likely to be available only for information of disci-
plinary interest, and present views of subjects that are as
partial as those of the disciplines from which their authority
is derived.   (Author, abbr.)

2-138   162
Serov, V.P.; Kozlova, I.V.: Modelling the thematic structure
of subject fields. Orig.ru. Nauch.-tekhn.inform.,Ser.2, No 7,
1990. p.22-26, 12 refs.
Describes an approach to the modelling and construction of
subject field thematic structures which depends on the anal-
ysis of problem-oriented databases. Presents a stochastic
statistical model of index terms relations within a database.
Describes the procedure of analysis of problem-oriented data-
bases to generate thematic structures. (Author, transl.)

17 Problems in Classification

2-139   173
Kintaert, B.: Frauendokumentation. (Woman documentation) Orig.
de. Mitt.Verb.österr.Bibl. Vol 44, No 1, 1991. p.36-45
Gives a number of hints as to what should be included in
subject cataloguing in order to comply with the necessity to
consider the female sex in the wording of terms/subject head-
ings.

2-140   175
Fidel, R.: Who needs controlled vocabulary? Orig.en.
Spec.Libraries Vol 83, No 1, 1992. p.1-9, 6 refs.
A study of online searching practices observed 47 professional
searchers working in different types of libraries and specia-
lizing in a variety of subject areas. Their thought processes
were verbalized and taped. The study proved the importance of
a controlled vocabulary in searching. The important role of
thesauri and indexing is demonstrated as searchers consulted
thesauri for 75% of the search terms selected. Almost half the
times a descriptor was selected, it matched the request term
exactly. The study also suggested that searchers who preferred

textwords did not compensate for the lack of vocabulary control by using synonyms. It is concluded that this study shows that both textwords and descriptors are necessary for quality searching.

179   Trends and Future Tasks in C & I
See also 2-225,-226, -237,-330

2 STRUCTURE AND CONSTRUCTION OF CS & T

21 General questions of CS & T

2-141   211
Sergievskij, G.M.: On one approach to defining the semantics of knowledge representation languages. Orig.ru. In: Avtomatizir.inform.tekhnol. Moskva, SU 1990. p.49-55, 11 refs.

2-142   211
Simonov,B.A.: Once again on subject headings language. Orig.ru Nauchn.-tekhn.biblioteki SSSR, No 5, 1990. p.28-30, 5 refs.

2-143   213
Schmidt, Alfred: (Book review of) Kooperative Führung e'ner Schlagwortnormdatei. Fortführung der Schlagwortnormdatei (SWD). Bericht über ein Projekt der Deutschen Forschungsgemeinschaft. Berlin: DBI 1991. 40p. (Cooperative management of a standard subject file. Report on a project of the German Research Association) Orig.de. Mitt.VÖB Vol 44. No 3-4, 1991. p.95-96

2-144   218-825
Travis, I.L.: Applications of knowledge-based systems to classification in libraries. Orig.en. In: Aluri, R., Riggs, D.E. (Eds.); Expert systems in libraries. Norwood, NJ: Ablex 1990. p.222-293, 53 refs.
The author underscores the urgency of using expert systems' techniques in classification.

22 Elements of CS & T
See also 2-245, -321, -322

2-145   222
Wong, S.K.M.; Yao, Y.Y.: An information-theoretic measure of term specificity. Orig.en. J.Amer.Soc.Inform.Sci. Vol 43, No 1 1992. p.54-61

2-146   225
Kovacova,S.: Use of facet models and semantic frames in developing an indexing language for a data retrieval system. Orig. sk. Kniz.a ved.inform. Vol 22, No 4, 1990. p.145-149, 8 refs.

2-147   225.934 RU
Sukiasyan, E.: The ideas of S.R.Ranganathan in Russia: Results and tendencies. Int.Classif. 19(1992)No 1, p.7-9, 5 refs.

2-148   226
Kuijper, M.; Schumacher, J.M.: Minimality of descriptor representations under external equivalences. Orig.en. Automatica Vol 27, No 6, 991. p.975-984, 15 refs.

2-149   229
Melby, A.: MicroMater. A proposed standard format for exchanging lexical/terminological data files. Orig.en. Meta Vol 36, No 1, 1991. p.135-160

23 Construction of CS & T
See also 2-252

2-150   231
Hall, A.: An overview of the thesaurus building process. Orig. en. Australian Spec.Libr. Vol 24, No 2, 1991. p.45-50, 5 refs.

232   Design Principles for CS
See also 2-113

2-151   234
Grinina, R.F.; Serebryannikova, T.O.: The subject heading language as part of the IR lingware. Orig.ru. In: Probl.kul'tury v usloviyakh Sibiri i perestrojki: Tez.dokl.resp.nauch.konf. Ch.4. Kemerovo, SU: Kemer.Gos.Inst.Kul'tury 1990. p.174-176

2-152   236; 796
Kunz,M.: Einige grundsätzliche Überlegungen zur Erarbeitung einer mehrsprachigen Schlagwortnormdatei. (Some principle considerations before elaborating a multilingual standard subject heading file) Orig.de. Dialog Bibl., No 3, 1991. p.26-32
As a project for the action plan for European libraries a multilingual standard subject authority list is foreseen. The problems of such a list are discussed and the background of the relevant DIN and ISO standards.

2-153   237
Kobrin, R.Yu.: Cognitive computer modelling of subject areas and terminologies in text. An experience of methodological and pragmatic analysis. Orig.ru. In: Aktual.probl.komp'yuter.lingv.: Tez.dokl.Vses.Konf., Tartu, 29-31 Maya, 1990. Tartu, SU 1990. p.72-73, 6 refs.

24 Relationships

2-154   243
Kaplan, R.M.; Berry-Rogghe, G.: Knowledge-based acquisition of causal relationships in text. Orig.en. Knowledge Acquisition Vol 3, 1991. p.317-337, 19 refs.
A procedures is described that integrates several techniques for recognizing causal relationships in expository text. Applying these techniques yields a knowledge representation consisting of classifications of causal relationships contained in a text. The causal analyzer described in this paper will be part of a knowledge acquisition system called TAKT (tool for the acquisition of knowledge from text), which is currently being developed.   (Authors, abbr.)

2-155   244
Draskau, J.K.: Some reflections on equivalence/Äquivalenz as a term and a concept in the theory of translation. Orig.en. Meta Vol 36, No 1, 1991. p.269-274

2-156   247
Hartmann, U.: Behandlung komplexer Objekte in relationalen Datenbanksystemen. (Handling complex objects in relational DBMS) Orig.de. Rechentechn.-Datenverarb. Vol 27, No 6, 1990. p.20-22, 15 refs.

2-157   248-26
Simmons, E.S.: The grammar of Markush structure searching. Vocabulary vs syntax. Orig.en. J.Chem.Inform.Comput.Sci. Vol 31, No 1, 1991. p.45-53, 13 refs.
The paper discusses the grammar of Markush structures and compares the vocabulary-based approach of fragmentation codes with the syntax-based approach of topological indexing systems.   (Author, abbr.)

25 Numerical Taxonomy
See also 2-215

2-158   251
Bentler,P.M.: Book review of Bollen,K.A.: Structural equations with latent variables. New York: Wiley 1989. 514p. Orig.en. J.Classif. Vol 8, No 1, 1991. p.142-145, 8 refs.

2-159   251
Crowder, M.: Book review of Leeden, Rien van der: Reduced rank regression with structured residuals. Leiden: University. DSWO Press 1990. X,148p. Orig.en. J.Classif. Vol 8, No 1, 1991. p.139-141, 2 refs.

2-160   251
Sneath, P.H.A.: Book review of Scott-Ram, N.R.: Transformed cladistics, taxonomy and evolution. Cambridge: Cambridge Univ. Press 1990. XI,238p. J.Classif. 8(1991)No 1, p.126-128

2-161   252
Altham, P.M.E.: Book review of Agresti, A.: Categorical data analysis. New York: Wiley 1990, 558p. Orig.en. J.Classif. Vol 8, No 1, 1991. p.134-135

2-162   252
Curnow,R.N.: Book review of Weir, B.S.: Genetic data analysis, methods for discrete population genetic data. Sinauer 1990. XII,377p. Orig.en. J.Classif. Vol 8, No 1, 1991. p.120-121

2-163   252
Brouwer,P.; Kronenberg,P.M.: Some notes on the diagonalization of the extended three-mode core matrix. Orig.en. J.Classif. Vol 8, No 1, 1991. p.93-98, 13 refs.

2-164   252
Bryant,P.G.: Large-sample results for optimization-based clustering methods. J.Classif. Vol 8, No 1, 1991. p.31-44, 24 refs.

2-165   252
Duffy, D.E.; Quiroz, A.J.: A permutation-based algorithm for block clustering. Orig.en. J.Classif. Vol 8, No 1, 1991. p.65-91, 32 refs.

2-166   253; 2557 CH
Chan, K.P.; Cheung, Y.S.: Clustering of clusters. Orig.en. Pattern Recognition Vol 25, No. 2, 1992. p.211-217, 17 refs.

2-167   253; 872
He,Dong-Chen; Wang,Li: Unsupervised textural classification of images using the texture spectrum. Orig. en. Pattern Recognition Vol 25, No 3 1992. p.247-255, 24 refs.

2-168 253
De Soete, G., DeSarbo, W.S.: A latent class probit model for analyzing pick any/N data. Orig.en. J.Classif. Vol 8, No 1, 1991. p.45-63, 25 refs.

2-169 254
Guénoche, A.; Hansen, P., Jaumard, B.: Efficient algorithms for divisive hierarchical clustering with the diameter criterion. Orig.en. J.Classif. Vol 8, No 1, 1991. p.5-30, 34 refs.

2-170 254
Safavian, S.R.; Landgrebe: A survey of decision tree classifier methodology. Orig.en. Transactions on Systems, Man & Cybernetics Vol 21, No 3, 1991. p.660-673, 21 refs.

2-171 255
Mao, J.; Jain, A.K.: Texture classification and segmentation using multiresolution simultaneous autoregressive models. Orig.en. Pattern Recognition 25(1992)No 2, p.173-188, 39 refs.

2-172 255; 157
Murtagh,F.: Book review of Pao, Y.-H.: Adaptive pattern recognition and neural networks. Reading, MA: Addison-Wesley 1989. XVIII,309p. J.Classif. Vol 8, No 1, 1991. p.115-119, 14 refs.

2-173 255; 157
Murtagh, F.: Book review of Zeidenberg, M.: Neural networks in artificial intelligence. Chichester, GB: Ellis Horwood 1990. 268p. J.Classif. Vol 8, No 1, 1991. p.115-119, 14 refs.

2-174 258-222
Tatsuki,S.: A clustering method using the strength of citation Orig.en. J.Inform.Sci. Vol 16, No 3, 1990. p.175-181, 32 refs.

2-175 258-27
Gavrilova, Yu.A.; Mil'man, B.L.: Cluster analysis of the documentary information flow in chemical engineering. Orig.ru. In: Aktual.probl.prikl.khimii: Tr.19 nauch.konf.mol.uchenykh ispets. Gos.inst.prikl.khimii, Leningrad, 15 noyab.1989. Leningrad, SU 1990. p.145-161, 11 refs.

2-176 258-534
Grimson, R.C.; Rose, R.D.: A versatile test for clustering and a proximity analysis of neurons. Orig.en. Meth.Inform.Med. Vol 30, No 4, 1991. p.299-303, 17 refs.

2-177 258-6
Jeffers,J.N.R.: Book review of Dunteman,G.H.: Principal component analysis. London, New Delhi: Sage Publ.1989. 96p. = Quantitative Applications in the Social Sciences No.69. Orig.en. J.Classif. Vol 8, No 1, 1991. p.136-138

2-178 259
Tubbs, J.D.; Alltop, W.O.: Measures of confidence associated with combining classification results. IEEE Transactions on Systems, Man & Cybernetics 21(1991)No 3, p.690-692, 12 refs.

26 Notation, Codes

2-179 265
Bradley, Ph.: Book numbering: the importance of the ISBN. Orig.en. Indexer Vol 18, No 1, 1992. p.25-26

2-180 268-26
Gladys, C.L.; Goodson, A.L.: Numbering of interior atoms in fused ring systems. Orig.en. J.Chem.Inform.Comput.Sci. Vol 31, No 4, 1991. p.523-526, 7 refs.

29 Evaluation of CS & T

2-182 292
Ruchimskaya,E.M.: Comparison of subject headings languages for their streamlining. Orig.ru. Nauch.i tekhn.biblioteki SSSR, No 4, 1990. p.3-10, 10 refs.

2-183 298-26
Martin, S.; Bergerhoff, G.: Chemical Abstracts online. A study of the quality of controlled terms. Orig.en. J.Chem.Inform. Comput.Sci. Vol 31, No 1, 1991. p.147-152, 10 refs.

3 CLASSING AND INDEXING

31 Theory of Classing and Indexing

2-184 31
Benediktsson, D.: Book review of Wellisch, H.H.: Indexing from A to Z. New York: Wilson 1991. XXVI,461p. Orig.en. Int.Classif. Vol 19, No 1, 1992. p.36-39, 3 refs.

2-185
Piggott, M.: Book review of 2-184. Orig. en. Indexer Vol 18, No 1, 1992. p.59

2-186 31
Wellisch,H.H.: Book review of Cleveland, D.B., Cleveland, A.B. Introduction to indexing and abstracting. Englewood, CO: Libraries Unlimited 1990. 329p. Orig.en. Libr.Resources & Techn.Serv. Vol 35, 1991. p.231-232

2-187 31
Lancaster, F.W.: Indexing and abstracting in theory and practice. Orig.en. London: Libr.Assoc. 1991. 328p., 331 refs., ISBN 1-85604-004-6
The volume has the following 17 chapters: Introduction. Indexing principles. Indexing Practice. Pre-Coordinate Indexes. Consistency of Indexing. Quality of Indexing. Abstracts: Types and Functions. Writing the Abstract. Evaluation Aspects. Approaches Used in Indexing and Abstracting Services. Enhancing the Indexing. On the Indexing and Abstracting of Imaginative Works. Natural Language in Information Retrieval. Automatic Indexing, Automatic Abstracting and Related Procedures. The Future of Indexing and Abstracting Services. Indexing Exercises. Abstracting Exercises. – Appendices: 1. Summary of Abstracting Principles (Payne et al. 1962, a reprint). 2. Modular Content Analysis with Subject Modules (reprint, 1964). 3. Glossary (def.of 9 concepts). Subject and Name Index.

2-188 Schwartz, Candy: Book review of 2-187. Orig.en. Library J. Vol 116, 1991. p.237

2-189 Bakewell, K.G.B.: Book review of 2-187. Orig.en. Indexer Vol 18, No 1, 1992. p.59-60

2-190 Cochrane, P.A.: Book review of 2-187. Orig.en. Inform.Process.& Management Vol 28, No 2, 1992. p.286-287

2-191 31.07
Fugmann, R.: Theoretische Grundlagen der Indexierungspraxis. (Theoretical foundations of indexing practice) Orig.de. Frankfurt/Main: INDEKS Verlag 1992. XVI,325p. = Fortschritte in der Wissensorganisation 1, ISBN 3-88672-400-X (PB), -403-4 (HC)
The book has a Foreword by Hans H.Wellisch and consists of the following chapters: Introduction. Information and Information System. On the Usefulness of Theoretical Foundations in Designing an Information System. Theoretical Considerations for the Storage and Retrieval of Information (including the "5-Theses-Theory of Information Retrieval and Indexing"). A Philosophical Basis for Information Retrieval. Indexing and Indexing Language. On a Technology of Information Retrieval. Application Examples for the 5-Theses Theory. The book ends with a section of two indexes and their elaborate introduction.

2-192 317
Abdur, K.M.: Comparative index terms. Orig.en. Int.Libr.Rev. Vol 21, No 3, 1989. p.289-300, 5 refs.

32 Subject Analysis

2-193 322
Jansson, P.-E.; Kenne, L., Widmaln, G.: CASPER: a computer program used for structural analysis of carbohydrates. Orig.en. J. Chem.Inform.Comput.Sci. Vol 31, No 4, 1991. p.508-516, 22 refs.

2-194 324
Agarwal, R.; Tanniru, M.R.: Knowledge extraction using content analysis. Orig.en. Knowledge Acquisition Vol 3, 1991. p.421-41, 29 refs.

2-195 328-817
Trofimenko,A.P.: Scientometric analysis of the topical content of scientific research and its particularities. Orig.en. Scientometrics Vol 18, 1990. p.409-435

33 Classing and Indexing Techniques

2-196 332 PL
Sadowska, J.: The methodology of subject classification in Polish general libraries. Orig.pl. Prz.bibl. Vol 57, No 3, 1989. p.241-250, 9 refs.
A new subject classification and cataloguing manual is being prepared at present for Polish general libraries based on the theories developed by Adam Lysakowski and Izydora Dambska but taking also into account the modern trends in subject classification, standards of document cataloguing and automation requirements.

34 Automatic Classing and Indexing

2-197 34/31
Chaumier,J.; Dejean, M.: Computer assisted indexing: practices and methods. Orig.fr. Documentalists Vol 29, No 1, 1992. p.3-6, 24 refs.
The article looks at the various methods used in the systems (described in an earlier paper), each based on different models: statistical, probability, linguistic or procedural.

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Fuhr, N.; Buckley, C.: A probabilistic learning approach for document indexing. Orig.en. ACM Transactions on Inform.Syst. Vol 9, No 3, 1991. p.223-248, 37 refs.

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Trofimenko,A.P.: Information analysis of research subjects and determination of their prospects. Orig.ru. Probl.Inform.Syst., No 9, 1990. o.20-33, 25 refs.

2-200   3438-51/4
Dujols, P.; Chein, M.: Analyse des énoncés médicaux en langage naturel vers un prototype d'indexation automatique. (Natural language processing of medical writings. Towards a prototype of automatic indexing) Orig. fr. Montpellier, FR, Université, Th.Doct.Inform. 1990. 167p.

2-201   3439
Tat,Lam Ki: An overview of research into Chinese automatic indexing in China. Orig.ch. J.Hong Kong Libr.Assoc. Vol 13, 1989 p.43-51, 32 refs.

2-202   347; 47.213
Gorodilova,E.N.; Portnoj, L.S.: Online indexing of subject requests in an online catalogue environment. Orig.ru. In: Probl. kul'tury v usloviyakh Sibiri i perestrojki: Tez.dokl.resp.nauch.konf.Ch.4. Kemerovo,SU: Kemer.Gos.Inst.Kult'ury 1990. p.54-56

2-203   347; 756
Thomas, A.R.: Book review of Aluri, R., Kemp, A., Boll, J.J.: Subject analysis in online catalogs. Englewood, CO: Libraries Unlimited 1991.XII,303p. Orig.en. Cat.& Classif.Quart. Vol 14, No 1, 1991. p.91-93

35 Manual and Automatic Ordering

2-204   355.72
Gifford,D.K.; Jouvelot, P., Sheldon, M.A., O'Toole, J.W.: Semantic file systems. Orig.en. Operating Systems Rev. Vol 25, No 5, 1991. p.16-25, refs.

2-205   356
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36 Coding

2-206   368-26
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Bohanec, S.; Zupan, J.: Structure generation of constitutional isomers from structural fragments. Orig.en. J.Chem.Inform.Comput.Sci. Vol 31, No 4, 1991. p.531-540, 24 refs.
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2-208   368-36
Apon, W.: A new algorithm for coding geological terminology. Orig.en. Computers & Geosciences Vol 17, No 7, 1991. p.883-893

38 Index Generation and Programs

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Wexler, P.J.: Reverse alphabetical indexing. Orig.en. Indexer Vol 18, No 1, 1992. p.9

2-210   383
Adams,A.M.: Putting the horse before the cart: Rapid access to data banks by the 'SIGNPOSTS' method. Orig. n. Indexer Vol 18, No 1, 1992. o.3-9, 6 refs.
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2-211   383
Sano, H.: Concise display of index entries. Orig.en. J.Doc. Vol 47, No 1, 1991. o.23-35, 11 refs.
A computer-aided method has been devised to display index entries in a concise tabular form.

2-212   385
Sargent, G.; O'Brien, A.: Interfacing dBase III+ and PageMaker in the production of a publication-quality bibliographic index Orig.en. Program Vol 25, No 4, 1991. p.349-354, 4 refs.

387 Programs for other activities in C & I
See also 2-002, -003, -107, -193

2-213   387.6866
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2-215   387; 251
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2-217   388-69
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2-218   388-789
Crane, I.: The National Philatelic Society indexing project. Orig.en. Indexer Vol 18, No 1, 1992. p.33-34

2-219   388-992
Beckerlegge, O.A.: A scriptural index to Hymns and Psalms. Orig.en. Indexer Vol 18, No 1, 1992. p.27-29

2-220   388-94
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Description of the computer index at the Witt Library at the Courtauld Institute in London, a photographic archive containing images and associated information about paintings, drawings, and engravings.

39 Evaluation of Classing and Indexing

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Froehlich, T.J.: Towards a better conceptual framework for understanding relevance for information science research. In: Griffiths,J.H. (Ed.); ASIS'91. Systems Understanding People. Proc.54th ASIS Ann.Meetg., Washington,DC, Oct.27-31, 1991. Medford, NJ: Learned Information 1991. p.118-125, 29 refs.
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4 ON UNIVERSAL SYSTEMS

42 On the Universal Decimal Classification

2-225   42.179
New Deal for UDC. Int.Classif. 19(1992)No.1, p.21-22
(Reprinted from FID News Bull. #1(1991)No.11/12, p.194 & 203

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2-228   42.218 BG
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Orig.bg. Bibliotekar Vol 38, No 4, 1991. p.7-9, 6 refs.

43 On the Dewey Decimal Classification (DDC)

2-229   43.173
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the Dewey Decimal Classification in the Italian discussion at
the end of the 19th century. Orig.it.
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2-231   43.4 (DDC12)
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Traiser,W.: Book review of Comaromi, J.P. et al. (Eds.): Dewey
Decimal Classification and Relative Index. Devised by Melvil
Dewey, edition 20. Albany, NY: Forest Press/OCLC 1989. Orig.de.
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44 On the Library of Congress Classification
and on the Library of Congress Subject Headings

2-234   44.1
Chan, L.M.: Immroth's Guide to the Library of Congress Classi-
fication, 4th ed. Orig.en. Englewood, CO: Libraries Unlimited
1990. 436p., Li rary Science Text Series, ISBN 0-87287-736-9

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& Techn.Serv. Vol 35, 1991. p.343

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Dreyfuss, R.: Library of Congress Classification for Judaica:
recent changes (1989-1990). Orig.en.
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2-237   448.179
Cutterism, codism, and consumerism: the past, present, and fu-
ture LC subject access. Techn.Serv.Quart. 9(1991)No.1, p.19-26
18 refs.
Review of the three phases of the development of Library of
Congress Subject Headings. The practices of the past are said
to be inconsistent and ineffective, they should be replaced by
standardization.

47 On the Library Bibliographical Classif.
(LBC/BBK)
2-238   47.172
Rubleva, V.: A prize is awarded but the problem remains.
Orig.ru. Sov.bibliogr., No 3, 1990. p.24-25
It took a large team of professionals nearly three decades to
execute a government order - to develop the Library-Bibliogra-
phical Classification (LBC) for all types of libraries. In
1981 the team was awarded the USSR State Prize in science.
Thus begand the forced introduction of the LBC schedules in
library practice: in the public and children's libraries in
1978, in the general research libraries in 1984, and in the
republic, area and region libraries in 1985. This has contin-
ued to this day despite numerous practitioners' protests. The
article carries a letter which bears out the fact that the LBC
does not meet today's requirements.   (Orig.abstr.)

2-239   47.6-39
The right of choice of the LBC and the regional studies cata-
logue. Orig. ru. Sov.Bibliogr. (1990)No.4, p.16-20, 3 refs.

2-240   47.984
LBC: Who is for it and who is against it? Orig.ru.
Sov.bibliogr., Moskva (1991)No.1, p.3-17
Results of a round table of Sept.12, 1990 concerning the use
of the LBC in regional catalogues. There was common agreement
that the LBC is ideologized and does not comply with present
demands, its use should not be made compulsory, expecially
not to those libraries who could - so far - resist its intro-
duction.

48 On Other Universal Systems

2-241   482.6-522; -51/4
Ishiyama, H.: Medicine and pharmacy in Nippon Decimal Classif-
ication draft 19th ed. Orig.ja. Pharmaceutical Libr.Bull.(Ja-
pan) Vol 35, No 4, 1990. p.238-247, 7 refs.
The 9th revision of the Japanese Nippon Decimal Classification
is due in 1992. The 8th of 1978 was designed to accomodate the
trend towards open-access libraries. In computerized catalogs
class numbers have acquired new significance. The draft new
edition focuses on redeveloping class numbers to reduce bunch-
ing of books at one number or non-use of a number. The theore-
tical structure needs improvements. The article looks in de-
tail at NDC numbers for medicine and pharmacy and the numbers
of books classed at these numbers.

2-242   485 AT
Labner,J.; Schmidt,Alfred: Projekt: Österreich-Schlagwortnorm-
datei. (The Austrian Standard Subject Catalogue Project) Orig.
de. Mitt.VÖB Vol 44, No.3-4, p.62-70, 4 refs.
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search of Austria of April 25, 1990, subject cataloguing was
to follow the German Rules for the Subject Catalogue (RSWK).
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decision.

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Schulz, U.: Die niederländische Basisklassifikation: Eine Al-
ternative für die "Sachgruppen" im Fremddatenangebot der Deut-
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ternative for the subject groups in the external data file of
the German Library) Orig.de. Bibliotheksdienst Vol 25, No 8,
1991. p.1196-1219, 16 refs.
Favors the application of the Dutch Basic Classification with
47 main classes and 2000 classes altogether as a broad classi-
fication for the German library network.

2-244   485
Kunz, Martin: Grundlagen der Schlagwortnormdatei. (Principles
of the Standard Subject File) Orig.de. Dialog Bibl. Vol 4, No
1, 1992. p.5-10

2-245   485; 222
Ribbert, U.: Terminologiekontrolle in der Schlagwortnormdatei.
(Terminological control in the German Standard Subject File)
Orig.de. Bibliothek Vol 16, No 1, 1992. p.9-25, 53 refs.
Critical examination of the thesis that the Standard Subject
File (SWD) is a "controlled indexing language". Many terms
of the SWD turn out to be highly ambiguous. The vocabulary is
lacking structural lucidity. Reasons for failures are indica-
ted.

2-246   485.6-66
Meyer, H.-B.: Rechtsbegriffe in den RSWK und der SWD. (Law con-
cepts in the Rules for the Subject Catalogue and the Standard
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2-247   487
Nishikawa,M.: Usefulness of the hybrid systems in computerized
searches. Orig.en. World Patent Inform. Vol 12, No 4, 1990.
p.212-215
The development of hybrid classification systems associated
with the IPC in the Japanese Patent Office is described and
the effectiveness of search in a computerized system based on
the IPC hybrid system in the lubrication field is examined.
(Author)

2-248   487
Vijvers, W.G.: The International Patent Classification as a
search tool. Orig.en. World Patent Inform. Vol 12, No 1, 1990.
p.26-30, 8 refs.
The paper gives some background information on the IPC, its
change in the course of years, and concentrates on the prac-
tical aspects of using it as a search tool. Examples are given
based on the author's own experience. Attention is drawn to
pitfalls connected with IPC searching and to ways of combining
the IPC with other search parameters. The author clarifies
that he does not want to criticize the IPC.   (Author, abbr.)

2-249 487; 753
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5 ON SPECIAL OBJECTS CS

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Lawson, A.J.: Systematic nomenclature from F.K.Beilstein to AUTONOM. Orig.en. Mitt.bl.GdCh. CIC, No 21, 1992. p.27-34, 8 refs.

6 ON SPECIAL SUBJECTS CS & T

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

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2-253 639
Jackson, P.: A thesaurus for enhanced geographic access.
Orig.en. LASIE Vol 22, No 3, 1991. p.49-60, 17 refs.

64 On CS & T in the Bio Area 4

2-254 646
Thomas, S. E.: Improved access to agricultural literature through a comprehensive detailed agricultural thesaurus. Orig. en. Quart.Bull.Int.Assoc.Agricult.Inform.Specialists Vol 36, No 1-2, 1991. p.80-82, 2 refs.
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Smirnov, Yu.G.; Aleksandrov, L.V., Shepelev, N.P.: Using an organizational subject authority file for knowledge ordering, with special reference to agricultural machinery. Orig.ru. In: Teoriya i prakt.izobret.,ratsionaliz.i pat.-litserzion.raboty: Mater.semin./O-vo "Znanie" RSFSR. Moskva: Mosk.dom.Nauch-tekhn prop. 1990. p.30-36, 15 refs.

65 On CS & T in the Human Area 5

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66 On CS & T in the Socio Area 6

2-259 6664
Sohn, W.: Thesauruskonstruktion, -Pflege und -Anwendung in der Kriminologie. (Thesaurus construction, maintenance and application in criminal sciences) Orig.de. Recht - Bibliothek - Dokumentation Vol 21, No 2, 1991. p.84-97, 18 refs.

69 On CS & T in the Humanities Area 9

2-260 694; 6969
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BHA, the successor to RILA and the Repertoire d'Art et d'Archeologie, has sought to develop and to apply a rigorous and consisting indexing language and policy in a bilingual database and publication using English and French.

2-261 6984
Frisher, R.B.: The Association of Jewish Libraries and classification. Orig.en. Judaica Librarianship Vol 5, No 2, 1990/91. p.161-163

2-262 6992; 78-992
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7 CLASSIFICAT. AND LANGUAGE

71 General Problems of Natural Language
See also 2-108

2-263 711
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714 Semiotics
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715 Artificial Intelligence
See also 2-109

72 Semantics
See also 2-130, -141, -204

2-264 721
Logico-semantic aspects of language units: An intercollegiate collection of papers. Orig. ru. Tula, SU: Tul.Gos.Ped.Inst. 1989. 160p.
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2-267 723
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Lavitskij, A.S.; Likhacheva, O.A., Ryabova, N.V.: On semantic modelling of word formation semantics of suffixal morph strings. Orig.ru. Probl.Bioniki, No 44, 1990. p.36-41, 3 refs.

2-270 723
Delmonte, R.: Semantic parsing with LFG and conceptual representations. Orig.en. Comput.Humanit. 24(1990)No 5-6, p.461-488

2-271 723
Dietze, J.; Völkel, H.: Verifikation einer Methode der lexikalischen Semantik. Zur computergestützten Bestimmung der semantischen Konsistenz und des semantischen Abstands. (Verification of a method of lexical semantics. On a computer-aided determination of semantic consistency and semantic distance.) Orig.de. Nachr.Dok. 43(1992)No 3, p.159-164, 11 refs.
A semantic field "Linguistic communication" of 735 verbs is used for the verification of two numerically based methods working with semic co-occurrence and co-occurrence intervals due to the semic micro-structure of a lexeme. It was shown that the weak point of this procedure is the one-stage classification of the semantic features (semes) of the field.
(Authors)

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Otto, L.: Vorschläge zur Implementierung und Externalisierung semantischer Netze. (Proposals concerning the implementation and externalization of semantic nets) Orig.de.
Sprache u.DV Vol 14, No 1/2, 1990. p.83-102

2-273 726
Krupatkin, Ya.B.: Semantic relations between sentences and a classification of English microtexts. Orig.ru. Izv.AN SSSR. Ser.Lit.i yaz. Vol 49, No 4, 1990. p.380-390, 16 refs.

73 Automatic Language Processing

2-274 738-51/4
Pietrzyk, P.M.: A medical text analysis system for German - syntax analysis. Orig.en. Meth.Inform.Med. Vol 30, No.4, 1991 p.275-283, 66 refs.

74 Grammar Problems

2-275 743
Kretzenbacher, H.L.: Syntax des wissenschaftlichen Fachtextes. (The syntax of scientific texts) Orig.de. Fachsprache - Special Language Vol 13, No 3/4, 1991. p.118-137, refs.

75 Question-Answering Systems, Online Techn.

2-276 751
Allen, B.: Topic knowledge and online catalog search formulation. Orig.en. Libr.Quart. 61(1991)No 2, p.188-213, 28 refs.
This research investigated the ways in which different levels of knowledge about a topic can affect searching for information on that topic in a library online catalogue. It was found that people with high levels of knowledge use more search expressions, including more general and nonproductive expressions, tha low-knowledge users. It was also found that high-knowledge users employed more search expressions that had not been contained in their statements of information need than low-knowledge users. These differences in vocabulary use and seaech expression formulation may be of interest to designers of online catalogues as they attempt to increase the responsiveness of catalog systems to the needs of individual users.
(Author)

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Drepper,C.: Grundlagen, Modelle und Methoden zur Unterstützung von Dialogrecherchen durch Informationsrecherchesysteme. (Principles, models and methods for the support of dialog searches by information retrieval systems) Orig.de. Berlin: Humboldt Universität, Dissertation 1991.

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Huston,M.M.: Windows into the search process: an inquiry into dimensions of online information retrieval. Orig.en. Online Review Vol 15, No 3/4, 1991. p.227-243, 61 refs.

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(Author)

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2-281 752; 814
Kaestner, J.: Online-Katalog und Regelwerk. (Online catalogue and rules) Orig.de. Z.f.Bibl.wes.u.Bibliogr. 37(1990)No 1, p.21-30

2-282 752
Nohr, H.: Zum Sachzugriff über Stichworte in Online-Publikumskatalogen (OPACs). (Concerning subject access by keywords in OPACs) Orig.de. Libri Vol 41, No 3, 1991. p.165-169, 8 refs.

753 Online Activities; Query Optimization
See also 2-249

2-283 753
Glöckner-Rist, A.: Kognitive Strukturen und Prozesse bei der Formulierung von Suchfragen: eine empirische Analyse von Vermittler- und Endnutzerrecherchen in bibliographischen Online-Referenzinformationssystemen. Orig.de. (Cognitive structures and processes in the phrasing of subject queries: an empirical analysis of mediator and user retrieval results in bibliographic online reference information systems.) Paderborn, DE: Universität, Diss. 1990.

2-284 753
Niemi,T.; Järvelin,K.: Advanced query formulation in deductive databases. Orig.en. Inform.Process.& Management Vol 28, No 2, 1992. p.181-199, 31 refs.
A novel operation-oriented framework for deductive databases is introduced. Severl types of end-user queries to deductive databases are classified, and sample queries are used to demonstrate how they can be expressed in the framework. The sample queries and their sample evaluations show essentially reduced user effort and essentially increased user capability in the expression of advanced queries in deductive databases. These are also necessary features in modern information retrieval from fact databases. (Authors, abbr.)

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Quint,B.: Inside a searcher's mind: The seven stages of an online search - Pts.1 and 2. Orig.en. Online Vol 15, No 3 and 4, 1991. p.13-18, p.28-35

2-286 753
Tenopir, C.: Searching with menus. Orig.en. Libr.J. Vol 116, No 12, 1991. p.66, 68
An online-retrieval is usually done with commands which demand however, much training, good manuals and practice. Three major American online systems - BRS, DIALOG, and EPIC - offer now additional menu-retrieval possibilities. These offers are described in detail.

756 Thesaurus- and Classification-based Queries
See also 2-110, -203

2-287 756
Fowler, R.H.; Fowler, W.A.L., Wilson, B.A.: Integrating query, thesaurus, and documents through a common visual representation. Orig.en. In: SIGIR Forum, Special Issue. Ann.Int.Conf. SIGIR'91. New York: ACM Press 1991. p.142-151, 42 refs.
The system utilizes visually displayed graphic structures and a direct manipulation interface style to supply an integrated environment for retrieval. A common visually displayed network structure is used for query, document content, and term relations. A query can be modified through direct manipulation of its visual form by incorporating terms from any other information structure the system displays. An associative thesaurus of terms and an interdocument network provide information about a document collection that can complement other retrieval aids. Visualization of these large data structures makes use of fisheye views and overview diagrams to help overcome some of the difficulties of orientation and navigation in large information structures. (Authors)

757 Expert Systems
See also 2-319

2-288 757
Bauer, M.; Stein, B., Weiner, J.: Problemklassen in Expertensystemen. Einordnung und Diskussion des CMAT'90-Workshops. (Problem classes in expert systems) Orig.de. Künstl.Intelligenz Vol 5, No 3, 1991. p.13-18, 11 refs.

2-289 757
Malsch, Th.: Expertensysteme in der Krise. Kinderkrankheiten oder frühzeitige Vergreisung. (Expert systems in a crises. Children's sicknesses or early aging?) Orig.de. Künstl.Intelligenz Vol 5, No 3, 1991. p.70-73

2-290 7578-66
Seim,K.: Juristische Expertensysteme in Deutschland - ein Überblick. (Legal expert systems in Germany - a survey) Orig. de. Künstl.Intelligenz Vol 5, No 3, 1991. p.6-12, 21 refs.

2-291 758-51/4
Findler, N.V.; Maini, S., Yuen, A.F.M.: SHRIF - a general-purpose system for heuristic retrieval of information and facts, applied to medical knowledge processing. Orig.en. Inform.Process.& Management 28(1992)No.2, p.219-240, 57 refs.
A completed project is described which, conceptually and technically, is a significant extension of IRUHS (Information Retrieval Using Heuristic Search) described in Findler (1979). SHRIF (System for Heuristic Retrieval of Information and Facts) is an information and fact retrieval system that emulates the natural strength and flexibility of humans in gathering new knowledge, grouping facts that belong together from some point of view, discovering and making use of partial similarities, handling uncertainties and incompletenesses, and making acceptable compromises when total consistency is not available. The system also exhibits user-friendliness in various ways. (Authors, abbr.)

2-292 758-97
Sievert,M.E.C.; Sievert, D.E.: Online searching in philosophy: a comparison of Philosopher's Index and FRANCIS. Orig. en. Online Rev. Vol 15, No 2, 1991. p.63-75, 9 refs.
The comparison revealed that each database retrieved unique relevant items and that one is likely to miss at least some relevant items if one searches only one of the two databases.

2-293 759
Hunter, R.N.: Successes and failures of patrons searching the online catalog at a large academic library: A transaction log analysis. Orig.en. RQ Vol 30, No 3, 1991. p.395-402, 7 refs.

2-294 759
Vizine-Goetz, D.; Drabenstott, K.M.: Computer and manual analysis of subject terms entered by online catalog users. Orig.en In: Griffiths, J.H. (Ed.); ASIS'91: Systems Understanding People. Proc.54th ASIS Ann.Meeting, Washington, DC, Oct.27-31, 1991. Meford,NJ: Learned Information 1991. p.156-161, 19 refs.

76 Lexicon/Dictionary Problems

2-295 761; 06.90
Lexicology and phraseology: A new approach. Section "Lexicology": Proceedings of the 2nd Intercollegiate Conference. Orig. ru. Moskva: Mosk.Gos.Zao h.Ped.Inst.1990. 178p.

2-296 762
Hohnhold, I.; Schneider, T.: Terminological records and lexicon entries. A contrastive analysis. Orig.en. Meta Vol 36, No 1, 1991. p.161-173

2-297 762
Maes, J.-M.: The intelligent dictionary project. Orig.en. Meta Vol 36, No 1, 1991. p.182-191

2-298 762
Viehweger, D.: Haben Wörterbucheinträge Textualität. (Do dictionary entries have a textuality?) Orig. de. Lexicographica Vol 6, 1990. p.127-140, 10 refs.
It is assumed that dictionary entries represent standardized texts which are constituted by different text parts. These are, respectively, connected with a specific field of lexical knowledge which integrates a lemma sign. In contrast to numerous other texts dictionary entries do not allow variations of sequence. Above that, dictionary entries as texts have two different structure levels which are constituted, on the one hand, by utterances which explain a lemma sign, and on the other hand, by lexicographical examples which illustrate the use of the lemma sign. (Author, abbr.)

2-299 762
Wiegand, H.E.: Printed dictionaries and their parts as texts. An overview of more recent research as an introduction. Orig.en. Lexicographica Vol 6, 1990. p.1-126, 122 refs.

2-300 763
Zakharov, V.R.; Muntyan, D.B., Petrov, A.D.: Guidelines for a dynamic automatic dictionary of semantically related terms. Orig.ru. In: Aktual.probl.komp'yuter.lingv.: Tez.dokl.Vses. Konf., Tartu, 29-31 Maya 1990. Tartu, SU 1990. p.56-57

77 General Problems of Terminology
See also 2-064, -066, -216

2-302 77.07
Eisele, H.: Book review of Sager, J.C.: A practical course in terminology processing. Amsterdam/Philadelphia: J.Benjamins 1990. XI,254p.. Orig.en. Int.Classif. 19(1992)No 1, p.41-42

2-303 77.19; 06.89-12-11/13
Falileev,A.I.: The All-Union Conference "Language and history: The linguocultural tradition", 11-13 Dec.1989. Orig.ru. Izv.AN SSSR, Ser.Lit.i Yaz. Vol 49, No 4, 1990. p.397-298

2-304 77.937
Kromp, R.: Principes de collaborations terminologiques. (Principles of terminological collaboration) Orig.fr. Meta Vol 36, No 1, 1991. p.240-242

2-305 77.99
Terminology standardization: Methods and practice. Orig.ru. Nauch.-tekhn.terminol./VNIIKI (1990)No.5, p.1-66

2-306 77.99
Rousseau,L.J.: La pratique québécoise de la normalisation terminologique. (The Quebec practice of terminology standardization) Orig.fr. Meta Vol 36, No 1, 1991. p.225-230

2-307 771
Kerpan, N.: Temps forts ou temps faibles pour la terminologie en entreprise? (Strong or weak times for terminology in the business sector?) Orig.fr. Meta Vol 36, No 1, 1991. p.234-239

772 Form and Designation of Terms
See also 2-145

2-308 772
Antonova, M.V.; Leichik, V.M.: The scientific term: its functions and use in information processes. Orig.ru. Nauchno-tekhn.Inform.,Ser.2, No 11, 1990. p.2-8, 33 refs.

2-309 772
Cormier, M.C.; Rioux, L.-P.: Procédés de formation et matrices terminogéniques en terminologie des systèmes experts. (Formation processes and terminogenic matrices in expert systems terminology) Orig.fr. Meta Vol 36, No 1, 1991. p.248-268

2-310 773
Lethuillier, J.: Combinatoire, terminologies et textes. (Combinatorics, terminologies and texts) Orig.fr. Meta Vol 36, No 1, 1991. p.92-100

777 Country and Language Oriented Terminology Work
See also 2-317

2-311 777 af
Nazam Halaoui: La terminologie des langues africaines, esquisse d'une problématique. (The terminology of African languages, outline of a problematic settlement) Orig.fr. Meta Vol 36, No 1, 1991. p.291-300

2-312 777 ch
Zhang, Yide: La terminologie en Chine. (Terminology in China) Orig.fr. Meta Vol 36, No 1, 1991. p.311-317

2-313 777 es
Santoyo,J.C.; Rabadan,R.: Basic Spanish terminology for translation studies: a proposal. Orig.fr. Meta Vol 36, No 1, 1991. p.318-322

78 Subject-Oriented Terminology Work

2-314 78-35
Doray, F.; Gaudet, R.: La recherche thématique à Hydro-Québec. (Thematic research at Hydro-Québec) Orig.fr. Meta Vol 36, No 1 1991. p.243-247

2-315 78-39
Dugas, J.-Y.: Le traitement de la terminologie géographique, opération clef de l'aménagement toponymique au Québec. (The treatment of geographic terminology, key operation of toponymical arrangements in Québec) Orig.fr. Meta 36 (1991) No 1, p.218-224

2-316 78-66
Gemar, J.-C.: Terminologie, langue et discours juridiques. Sens et signification du langage du droit. Legal terminology, language and discource. Meaning and significance of the language of law) Orig.fr. Meta Vol 36, No 1, 1991. p.275-283

2-317 78-66; 777 gr
Koutsivitis, V.: Problèmes terminologiques de la version grecque des textes législatifs des Communautés Européennes. (Terminological problems of the Greek version of legal texts of the European Communities) Orig.fr. Meta 36(1991)No 1, p.284-90

2-318 78-82; 99
Ugryumova, V.N.; Varshamova, N.V.: Standardization of terminology on STI, Librarianship and Publishing. Orig.ru. Standarty i kachestvo, No 4, 1990. p.54-56, 11 refs.

2-319 78-837; 757
Lethuillier, J.; Cormier, M.C.: Terminologie francais-anglais des systèmes experts et des sujets connexes. (French-English terminology of expert systems and related subjects) Orig.fr. Meta Vol 35, No 4, 1990. p.748-759

2-320 78-825; 223
(Contributions on the terminology of library collection development) Orig.en. Aktual.Probl.Terminol.Bibl.Dela. Riga, 1989. 2-321 Tereshin, V.I.: On the structure and terminological system of library collection development. - 2-322 Linina, S.Ya.: Advances in collection development terminology. - 2-323 Stolyarov, Yu.N.: Neologisms in terminology of collection development. - 2-324 Volodin, B.F.: Issues of the terminology of library-information work. - 2-325 Manulinya,A.A.: On the usefulness of replacing some library terms.

2-326 78-91
Shelov, S.D.: On defining linguistic terms: An experience in typology and interpretation. Orig.ru. Vopr.Yazykozn., No 3, 1990. p.21-31

79 Problems of Multilingual Systems
See also 2-155

2-327 791
Schwanke, M.: Maschinelle Übersetzung. Ein Überblick über Theorie und Praxis. (Machine translation. A survey on theory and practice) Orig. de. Berlin: Springer 1991. 489p., refs.
Critical survey on the present state-of-the-art of research & development in machine translation. Section 1 is devoted to theory and history and description of LOGOS, SUSY, METAL & SYSTRAN, section 2 presents a documentation of research pro-

jects, system developments, softwaretools and important multilingual terminology databases. Bibliography of some 2000 refs.

2-328 796
Slater, R.: Authority control in a bilingual OPAC. MultiLIS at Laurentian. Orig.en. Libr.Resources & Techn.Serv. Vol 35, No 4, 1991. p.422-458, 37 refs.
There is an increasing awareness of the need for authority systems able to handle a wide variety of thesauri. The MultiLIS system at Laurentian University, a bilingual institution in Northern Ontario, has an authority control module that satisfies many of the requirements for the maintenance of catalog access points in more than one language. The major features of the current use in MultiLIS authority module and its current use in a bilingual setting, as well as its potential in a multilingual or multithesaurus environment, are described. A brief evaluation and critique of the authority module is also presented, principally in terms of its success in meeting the criteria for a multithesaurus management system. (Author)

8 APPLIED CLASSING AND INDEXING (C & I)
81 General Problems of Applied C & I

2-329 812 **BG**
Dafinov, Z.: The change also of the systematic catalog in our public libraries. Orig.bg. Bibliotekar - Sofiya 37[1990]No 11-12, p.7-8
It is proposed to use the UDC according to the international standard and perhaps also to use the DDC. The reclassification should be done under the guidance of the national library.

2-330 812.179
Tyckoson, D. (Ed.): Enhancing Access to Information: Designing Catalogs for the 21st Century. Orig.en. New York-London-Sidney: Haworth 1991. 243 p.
The volume is divided into the following 7 sections to accomodate the 14 papers listed below: 1) Introduction; 2) Past problems and present solutions; 3) Enhancements to the traditional catalogue,; 4) Building better search engines; 5) Linking for remote access; 6) Building the catalogue through non-traditional databases; 7) Systems of today, visions of tomorrow: Enhanced systems currently in operation.
2-331 Tyckoson,D.A.: Enhancing access to information: Building catalogs for the future. - 2-332 Tyckoson, D.A.: The twentyfirst century limited: Designing catalogs for the next century. 2-333 Dwyer, J.: Bibliographic records enhancement: from the drawing board to the catalog screen. - 2-334 Syracuse, R.O.; Poyer, R.K.: Enhancing access to the library's collections: a view from an academic health center library. - 2-335a Studwell, W.E.: Of eggs and baskets: getting more access out of LC Subject Headings in an online environment. - 2-335b Stephens,I.E.: Getting more out of call numbers: displaying holdings, location and circulation status. 2-335c Micco,M.: The next generation of Online Public Access Catalogs: A new look at subject access using hypermedia. - 2-335d Sloan, B.G.; Remote access: Design implications for the online catalog. - 2-335e Engel,G.: User instruction for access to catalogs and database on the Internet. - 2-235f Barnes, S., McCue, J.: Linking library records to bibliotraphic databases: An analysis of common data elements in BIOSIS, Agricola, and the OPAC. - 2-235g Harwood, R.: Adding a nonlibrary campus collection to the library database. - 2-235h Carter, K., Olson, H., Aquila, S.: Bulk loading of records for microform sets into the online catalogue. - 2-336 Dykeman,A.; Zimmerman,J.: The Georgia Institute of Technology Electronic Library: issues to consider. 2-337 Molholt, P.; Forsythe, K.: Opening up information access through the electronic catalog.

2-339 814
Gödert,W.: (Book review of) Beispielsammlung zu den Regeln für den Schlagwortkatalog: zugleich eine Einführung in die RSWK. Berlin: Deutsches Bibliotheksinstitut 1991. 459p. (Collection of examples concerning the Rules for the Subject Catalogue, RSWK. At the same time an introduction into the RSWK) Orig.de. Z.Bibl.wes.u.Bibliogr. Vol 38, No 6, 1991. p.589-595

2-340 818
Sofronova,E.S.: The Subject catalogue in a scientific library. Orig.ru. Nauch.i tekhn.biblioteki SSSR, No 8, 1990. p.40-43
The experience of the S.V.Kurashov Kazan Medical School library in the organization and maintenance of the subject catalogue is discussed. (Author)

2-341 819
Niggemann, E.: RSWK oder was sonst? Sacherschließung für den Online-Publikumskatalog der Universitätsbibliothek Düsseldorf. Ein Werkstattbericht. Orig.de. (RSWK or what else? Subject cataloguing for the OPAC of the University Library of Düsseldorf. A Workshop Report. Mitt.bl.Bibl.NRW Vol 41, No 4, 1991. p.385-403, 44 refs.

2-342 819
Yee, M.M.; Soto, R.: User problems with access to fictional characters and personal names in online public access catalogs. Orig.en. Inform. Technol. Libr. Vol 10, No 1, 1991. p.3-13

83 Title C & I

2-343 831
Tucker,B.R.: The limits of a title proper, or one case showing why human beigns, not machines, must do the cataloging. Orig. en. Libr.Resources & Techn.Serv. Vol 34, No 2, 1990. p.240-245

84 C & I of Primary Literature (Except 85)

2-344 842
Shen Jialian: The story of the Chinese 'Search Files'. Orig.en. World Patent Inform. Vol 12, No 1, 1990. p.31-36
The building up of the search files in the Chinese Patent Office is described. The effort of combining foreign assistance and self-effort is rewarding. The 'mixed-type search files' system established in a rather short period has been proved by the Chinese patent examiners to be encouragingly practicable. (Author)

2-345 844
Ilowat, M.M.: 19th-century Perth newspapers indexed and abstracted. Orig.en. Indexer Vol 18, No 1, 1992. p.16-18
Describes the indexing and abstracting of three 19th-century newspapers of Perth, Scotland, including problems of organizing volunteers, dealing with local history material, and selection policy for headings. (Orig.abstr.)

2-346 844
Krissiep, M.S.: Organizing the Fourth Estate - classification of newspapers at Washington State University. Orig.en. Cat.& Classif.Quart. Vol 14, No 2, 1991. p.5-29

2-347 845
Wellisch, H.H.: The indexing of periodicals. Orig.en. Learned Publishing Vol 5, No 1, 1992. p.13-18
(Excepting newspapers).

2-348 845; 879
Goldberg, M.: CD-ROM periodical indexes: better evaluation necessary. Orig.en. Indexer Vol 18, No 1, 1992. p.11-5, 25 refs. Library literature has, for some time, been replete with articles extolling the virtues of various CD-ROM periodical indexes. Most of these articles do not contain any definitive, methodical studies of the indexes; the assessment is usually of the kind 'we obtained a free trial of the product, many of the journals we received were indexed, and the patrons loved it'. There is a need to look at these powerful tools more closely. This article calls for better evaluation and highlights those studies that included in-depth examinations of the indexes, the use of computers, etc. The more complete an evaluation, the better the librarians will understand which index to purchase and where that index fits into library operations. (Author)

2-349 847
Stoltzenburg, I.: (Book review of) König, Ch.: Verwaltung und wissenschaftliche Erschliessung von Nachlässen in Literaturarchiven: Österreichische Richtlinien als Modell. München-New York-London-Paris: Saur 1988. 174p. Orig.de. Z.Bibl.wes.& Bibliogr. Vol 37, No 2, 1990. p.142-144

85 Book Indexing

2-350 851
Bell, H.K.: Repagination reconsidered. Orig.en. Indexer Vol 18, No 1, 1991. p.10, 5 refs.

2-351 859
Bell, H.K.: An author's guide to disparaging indexing. Orig.en. Indexer Vol 18, No 1, 1992. p.29-30

2-352 859
Vickers, J.A.: Unacademic indexing. Orig.en. Indexer Vol 18, No 1, 1992. p.23-24, 2 refs.

87 C & I on Non-Book Materials
See also 2-167

2-353 872
Bordogna,G.; Carrara,P., Gagliardi,I., Merelli,D., Mussion,P. Naldi,F., Padula,M.: Pictorial indexing for an integrated pictorial and textual IR environment. Orig.en. J.Inform.Sci. Vol 16, No 3, 1990. p.165-173, 34 refs.
The problem is approached of automatic indexing in multimedia databases composed of text, pictures and drawings with special reference to astronomical objects such as galaxies and stars.

A data-driven rule-based system, ISIID (Interactive System for Image Interpretation Design) was adopted as the kernel system to perform the pictorial indexing.

2-354 &72
Richardson, R.: The builder's illustrations. Orig.en.
Local Studies Librarian Vol 9, No 1, 1990. p.13-15
Description of the work of George Godwin the editor of "The Builder" - the most important Victorial weekly journal on architectural and building matters especially with regard to cataloguing and indexing all the illustrations published in this journal in the time 1842-3 until Godwin's retirement in 1883.

879   C & I of Other Non-Book Materials
See also 2-348

2-355 879
Witten,I.H.; Bell,T.C., Nevill,C.G.: Indexing and compressing full-text databases for CD-ROM. Orig.en.
J.Inform.Sci. Vol 17, No 5, 1991. p.265-272, 8 refs.
The use of compression techniques can substantially increase the volume of text that a disk can accomodate, and substantially decrease the amount of primary storage needed to hold the indexes. The paper describes a suitable indexing mechanism and its compression potential using modern compression methods. It is possible to double the amount of text that can be stored on a CD-ROM disk and include a full concordance and indexes as well. A single disk can accomodate around 180 million words of text - equivalent to a library of 1000 - 1500 books and provide rapid response to a variety of queries involving multiple search terms and word fragments.   (Author, abbr.)

88 C & I in Subject Fields

2-356 88-26
Shalabi, A.S.: Random walks: computations and applications to chemistry. Orig.en. J.Chem.Inform.Comput.Sci. Vol 31, No 4, 1991. p.483-491, 12 refs.
Describes the application of the random walk concept to the characterization and indexing of chemical structures.

2-357 88-267
Rieder,M.: The IFI polymer indexing system: its past, present, and future. Orig.en. J.Chem.Inform.Comput.Sci. Vol 31, No 4, 1991. p.458-462, 3 refs.

2-358 88-97
Yakimova,E.V.: Subject analysis in the philosohical sciences: the INION experience. Orig.ru. Sov.bibliotekoved., No 4, 1990. p.33-40, 7 refs.

9 CLASSIF ENVIRONMENT

92 Persons and Institutions

2-359 922
Rayward, W.B. (Ed.): International Organisation and Dissemination of Knowledge. Selected essays of Paul Otlet. Orig.en. Amsterdam, NL: Elsevier 1990. p.XIV,256p., refs. p.221-250, ISBN 0-444-88678-8
Organized chronologically, this book consists of 18 essays by Paul Otlet translated into English. It begins with his first publication on bibliography in 1893 and finishes with a 1934 80th-birthday tribute to his lifelong colleague and co-worker Henri LaFontaine. The essays reflect Otlet's attempts firstly to develop a theory of bibliography and documentation of the field we now know as information science (among which No.3: On the Structure Classification of Numbers, and 4: Rules for Developing the Decimal Classification); and secondly to find ways of harnessing existing and new technologies and international organizations of various kinds in order to facilitate access to and the transmission of recorded knowledge. The book includes an extensive and exhaustive bibliography of publications by Otlet and related secondary sources.

2-360 Buckland, M.: Book review of 2-359 in Libr.Quart. Vol 61, No 4, 1991. p.447-448

2-361 924
Carey Award. Indexer 18(1992)No.1, p.39, 2 refs.
At the Society of Indexer's Annual General Meeting on 7 Nov. 1991, Ken Bakewell, retiring after three years as SI President was presented with the Carey Award.

2-362 924
Garfield, E.: Michael J.Moravcsik multidimensional scholar and hero of third world science. Orig.en. Current Contents: Phys., Chem. & Earth Sci. Vol 30, No 2, 1990. p.3-6, 29 refs.
Michael J.Moravcsik (1928-1989) was also a prominent organiser of science. The author emphasizes particularly his contributions to scientometrics since 1973. He authored well-known

papers on a quantitative classification of citations, measures of scientific growth, methodology of evaluation, criteria of scientific choice, multidimensional modelling science, similarity and differences of scientific and artistic creativity, science policy and scientific communication.

2-363 924
Satija, M.P.: Ranganathan and classification: A chronology 1924-1992. Orig.en. Int.Classif. Vol 19, No 1, 1992. p.3-6

2-364 924
Satija, M.P.: (Book review of) Ranganathan, S.R.: A librarian looks back: An autobiography of Dr.S.R.Ranganathan appended with an evaluation of his life and work by P.N.Kaula. New Delhi: ABC Publ.House 1992. XI,485p. Orig.en.
Int.Classif. Vol 19, No 1, 1992. p.35-36, 2 refs.

2-365 924
Bowman, A.W.: (Book review of) Cleveland, W.S.(Ed.): The collected works of John W.Tukey. Vol.5: Graphics. Pacific Grove, CA: Eadsworth & Brooks/Cole 1988. 463p. Orig.en.
J.Classif. Vol 8, No 1, 1991. p.132-133

2-366 924
Satija, M.P.: John Phillip Camaromi, 1937-1991. In Memoriam. Orig.en. Int.Classif. Vol 19, No 1, 1992. p.33-34

925   Societies, Research Groups, Committees
See also 2-062, -066, -101, -103

2-367 925
Williamson, N.: News from the American Library Association. Orig.en. Int.Classif. Vol 19, No 1, 1992. p.31
Info on activities of the USMARC Advisory Group and the ALA/ALCTS Subject Analysis Committee.

2-368 925
Sweeney, R.: Library Association Dewey Decimal Classification Committee. Orig.en. Cat. & Index, No 101-102, 1991. p.1

2-369 925
Riggs, F.W.: INTERCOCTA. Orig.en. Int.Classif. Vol 19, No 1, 1992. p.23
Report about ongoing activities of the Committee for Conceptual and Terminological Analysis in the Social Science.

93 Organisation on a Natl. & Internatl. Level
See also 2-148, -228, -304

2-370 934 BG; 42.218 BG
Ljutova, A.: Classification systems in Bulgarian libraries. Orig.bg. Bibliotekar - Sofia Vol 38, No 2, 1991. p.2-4
The change in the social-political conditions in Bulgaria demand a principally revised form of the library catalogues and their classification schemes. The author proposes to adopt the UDC on a national scale and outlines the necessary preparatory steps for this change.

2-371 934 PL
Sadowska, J.: On subject cataloguing problems in Poland (1980-1990). Orig.pl. Bibliotekarz, No 2/3, 1991. p.12-14, 8 refs.

2-372 935 CN
Xiao, Y.: Modern development of classification. Research and practice in the People's Republic of China. Orig.en.
Int.Classif. Vol 19, No 1, 1992. p.10-14, 32 refs.

95 Education and Training

2-373 957
Sakova,O.Ya.: Student independent work in studying the section "subject analysis" of the "Library Catalogues" curriculum. Orig.ru. In: Probl.kul'tury v usloviyakh Sibiri i perestrojki: Tez.dokl.resp.nauch.konf.Ch.4. Kemerovo, SU: Kemer.Gos.Inst. Kul'tury 1990. 34p.

2-374 957
Leonidova,G.F.: The intelligent database "The Librarian's Professional Thesaurus": concept and design experience. Orig.ru. In: Probl.kul'tury v usloviyakh Sibiri i perestrojki: Tez. dokl.resp.nauch.konf.Ch.4. Kemerova: Kemer.Gos.Inst.Kul'tury 1990. p.16-17
At the State Institute of Culture in Kemerova, the Chair of Automated Library Systems and Computer Engineering is carrying out a research project to assess how rationally the learning time is used and to compare the professional thesaurus a student has to build in the course of learning with the notional apparatus of the world's professional literature. The study relies on content analysis which isolates and then quantifies lexical units which bear the greatest semantic load in the text. A database is being built up "The Librarian's Professional Thesaurus" which represents the set of semantic units. It can be used for a number of purposes named explicitly.

2-375 957 AU
Schauder, Ch.: An educational role for the Australian Society of Indexers. Orig.en. Indexer Vol 18, No 1, 1992. p.20-22

2-376 957
Simkin, J.: Future educational and training needs of indexers. Orig.en. Indexer Vol 18, No 1, 1992. p.19-20
Indexing now and in the future must be carried out with an understanding of the whole field of 'knowledge organization'. The work so far has concentrated on producing something like an indexing 'technician' rather than a 'master' indexer or fully professional 'organizer of knowedge'. Therefore professional courses taught at recognized institutions of higher education, accredited by associations which have reached this level of recognition are needed as well as higher-level academic studies and research.

97 Economic Aspects

2-377 977
Walter, G.: Digital image capture and OCR: reducing the entry cost barrier. Orig.en. Int.J.Micrographics and Video Technol. Vol 9, No 4, 1991. p.179-186
The paper rationalized the three primary choices that govern indexing costs under control of the systems designer: folder level indexing, page level indexing, and the use of OCR/ICR for indexing. Strategies for retrieval efficiency, mechanics of indexing, image quality control inspection, assignment of address and recording, typical labor requirements, document conversion and indexing cost, and the process of optical character recognition are among the topics discussed. (Author)

98 User Studies
See also 2-147, -240

2-378 982
Borgman, C.L.; Waler, V.A., Rosenberg, J., Gallagher, A.L.: The science library catalog project. Comparison of children's searching behavior in hypertext and a keyboard search system. Orig.en. In: Griffiths, J.H.(Ed.); ASIS'91: System Understanding People. Proc.54th ASIS Ann.Meeting, Washington, DC. Medford, NJ: Learned Information 1991. p.162-169, 15 refs.

Report on a continuing project to study children's use of a graphically-based direct manipulation interface for science materials. The Science Library Catalog, a component of Project SEED, has been implemented in the libraries of two elementary schools in Los Angeles. The interface employs a hierarchical structure drawn from the Dewey Decimal Classification and implemented in HyperCard on a Macintosh. The study indicated that children are able to use the Catalog unaided with reasonable success in finding items. (Authors, abbr.)

2-379 984
Morris,L.R.: The frequency of use of Library of Congress Classification numbers and Dewey Decimal Classification numbers in the MARC file in the field of library science. Orig.en. Techn.Serv.Quart. Vol 8, No 1, 1990. p.37-49, 4 refs.
The results of the comparison suggest that classification of monographs could be made easier and performed more accurately if many of the little used and unused numbers were eliminated and many of the most crowded numbers were expanded. Examples are given.

2-380 988
Babu, R.: User preferences for indexes in philosophical books: a survey. Orig.en. Library Rev. 41(1992)No 1, p.47-55, 7 refs.

2-381 989
Le Crosnier,H.: Systèmes d'accès à des ressources documentaires. Vers des ante-serveurs intelligents. (Information retrieval systems. Going toward smart gateways) Orig.fr. Aix-Marseille: Université. These 3e cycle 1990. 347p.

99 Standardization
See also 2-305, -306, -318

2-382 997
Sukiasyan, E.: Indexing: a new state standard. Orig.ru. Bibliotekar, No 9, 1990. p.58-59
The new Russian Standard GOST 7.59-90 "SIBID. Indexing of Documents. General requirements for subject indexing and classification" became effective 1 Jan.1990. The article looks at many points of the new standard. It is seen as a major step in bridging the gap between library and information technologies.

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