* 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

1-001   012
Wellisch, H.H.: **Indexing and abstracting: a current-awareness biblio-graphy. Part 8.** (Orig. en). Indexer. Vol.16, No.4, 1989. p.255-260, 77 refs.
Lists 77 titles with short abstracts in systematic order (Nos.679-756) with an author and title index.

1-002   013
Boyce, B.R.: **Book review of Chan, L.M.: Thesauri used in online databases, an analytic guide. Westport, CT: Greenwood Press 1988.** 288p. (Orig.en). J.Amer.Soc.Inform.Sci. Vol.40, No.1, 1989. p.71

1-003   013
Veger, M.G., Borisova, N.D., Vladimirova, A.V. et al.: **An annotated biblio-graphy of the literature of the UDC, IPC, and subject authorities 1971-1985.** (Orig. ru). Moskva, SU: VINITI 1989. 394p.

1-004   016.761
Zgusta, L., Farina, D.M.T.Cr.: **Lexicography today: an annotated biblio-graphy of the theory of lexicography.** (Orig. en). Tübingen, FRG: Nieme-yer 1988. XV,349p. ISBN 3-484-30918-0.
Book review by B. Busch in Z.f.Bibl.wes.u.Bibliogr.36(1989) No.2, p.141-145

1-005   016-358
Hypertext: An information retrieval system. Jan.1975-May 1989 (Cita-tions from the INSPEC Information Services). (Orig. en). Springfield, VA: NTIS 1989. 113p.PB89-86348/WLI.
This updated bibliography contains 211 references.
See also 1-136

1-006   016-77
Consell Int.de la Language Francaise: **Catalogue des Publications, Sept.1989.** (Orig. fr). Paris: CILF 1989. 52p.
The catalogue lists- a.o. - 32 dictionaries or vocabularies publ-ished by CILF in 1972-1989 and the 'tools' in the fields of lexi-cography and terminology.

1-007   018-51/4
Berg-Schorn, E.: **Editions of the ICD and other health-related classifica-tion systems.** A systematically arranged bibliography of works 1960-1989. (Orig. en). Int.Classif. Vol.3 16. p.157-159

02 Literature Reviews

See also 1-284

1-008   02.32
Lancaster, F.W., Elliker, C., Connell, T.H.: **Subject analysis.** (Orig. en). . Ann.Rev.Inform.Sci.& Technol. Vol.24 1989. p.35-84, 267 refs.
The review updates the 1986 ARIST chapter on subject analysis by C.Schwartz and Eisenmann. The literature reviewed is grouped into six broad categories: 1) Indexing theory and practice, 2) Control-led vocabularies (incl.classification and subject headings), 3) Search strategies and searching methods, 4) Natural language searching, 5) Automatic indexing and related procedures, 6) The use of citation relationships in information retrieval. Each chap-ter is still subdivided into subchapters.

03 Dictionaries, Terminologies

1-009   036.757
Rusch-Feja, D.D.: **Book review of Sauppe, E.: Dictionary of librarians-hip.** Including a selection from the terminology of inform.sci., bibliology, reprography, and data processing, de-en, en-de. München: Saur 1988. XX,428p. (Orig. de). Bibliothek.Forsch.,& Praxis. Vol.13, No.3, 1989. p.401-404

1-010   036.757
Expert systems and databases: a dictionary of terms. (Orig.ru). MTA. Szamitastechn.es autom.kut.indez.tanulm., No.214, 1988. p.103-21
The dictionary contains 275 terms with comments in Russian.

04 Classification Systems and Thesauri

042 The Universal Decimal Classification

1-011   042.1-sh
Jugoslovenski Bibliografski Institut: **Univerzalna Decimalna Kla-sifikacija: Prvo srpskohrvatsko potpuno izdanje.** Serbo-croat Full UDC edition. Section 626/627 Hydrotechnology (contains an alpha-betical index). (Orig. sh). Belgrade, YU: Jugosl.Bibl.Institute, 1989. 38p.

1-012   042.5
Fédération Intern.d'inform. et de Document.(FID): **Extensions and Correc-tions to the UDC 1986/1988.** Series 13, No.3. (Orig. en). The Hague, NL: FID 1989.
Series 13 contains substantial extensions or revisions in the following subject areas: Place tables, esp.Fed.Republ.of Germany, German Democratic Republic, Denmark, Turkey. 296 Judaism, 303 Methods of the Social Sciences, 33 Economics (esp.Housing), 347 Civil law, 366 (new) Consume-rism, 368 Insurance, 369 (new) Social insurance, 51 Mathematics, 542 Pract.lab.chemistry, 543 Analytical chemistry, 551.5 Meteorology, 621.56/ .59 Refrigeration technology, 621.8 Machine elements, 628 Public health engineering, 64 Home economics, 66 Chemical technology, 66.09 Chem.techn.reactions, 661 Chemicals and their production, 686.86 Office equipment, 796/799 Sport. Games. Physical exercises, 948 History of Scandinavia.

044 Library of Congress Classification

1-013   044.978
Larrabee, J. (Ed.): **LC Cumulative Classification Series.** (Orig. en). Alba-ny, CA: Livia Press (967 Neilson Street,Albany, CA 94706, USA) 1989-. (looseleaf)
The cumulation of LC classification schedules in looseleaf format is also available on microfiche. Orders will be accepted for the following: B-BJ Philosophy, BL-BX Religion, H-HJ Economics, HM-HX Sociology, L Educa-tion, Q Science, R Medicine, S Agriculture, T Technology.

048.1 Other Universal Systems

1-014   048.1
Lang, R. (Ed.): **Canadian thesaurus. 2nd ed.** A guide to the sub-ject headings used in the Canadian Periodical Index and CPI On-line. (Orig. en, fr). Toronto, CA: Info Globe 1989. 536p.

1-015   048.1
Padirac, B.de: **SPINES thesaurus. A controlled and structured voca-bulary for information processing in the field of science and technolo-gy for.** development. English-French, (Spanish) Portuguese 1988 edition of the 1984 revision of the original English version. 2 vols. (Orig.en,fr, pt). Paris, FR: UNESCO 1988. 1144p.

048- Special Classification Systems and Thesauri

1-016   048-19
British Standards Inst. (BSI): **ROOT Thesaurus.** Pt 1: Subject dis-play, Pt2: Alphabetical list. 3rd ed. (Orig.en). Hemel Hempstead, GB: BSI 1988. 607+635p.

1-017   048-29
INSPEC 1989 Thesaurus. (Orig. en). Hitchin, GB: Inst.Electr.Enggs. 1989. 518p., ISBN 0-85296-479-X.

1-018   048-36
Shimomura, R.H.(Ed.): **GeoRef thesaurus and guide to indexing. 5th ed.** (Orig. en). Alexandria, VA: Amer.Geol.Inst. 1989. 744p.

1-019   048-46
Commonwealth Agricultural Bureaux International: **CAB thesaurus. 2 vols.** (Orig.en). Wallingford, GB: CAB Intern. 1968. 1137 p.

1-020   048-519
Saffron, L.: Women's Health & Reproductive Rights Inform.Centre: **Wo-men's health classification scheme.** (Orig. en). London, GB: The Centre 1989.

1-021   048-56
Marder, J.V.: **British education thesaurus.** (Orig. en). Leeds, GB: Univ. Press 1988. 426p., ISBN 0-85316-144-5.

1-022 048-62
House of Commons Library: **House of Commons Library Thesaurus, 7th ed.** (Orig. en). London, GB 1987. ISBN 0-02613-541-X.

1-023 048-817
Natl.Inst.of Health. Dept.of Health & Human Serv.: **CRISP the-saurus. Fiscal year 1988.** (Orig.en). Bethesda, MD: NIH 1989. 774p.

1-024 048-82
Geselisch.f.Math.u.Datenverarb., IZ Inform.wiss.: **Descriptor list in the field of information science and practice.** (Orig.de,en). Darmstadt, FRG: GMD-IZ 1989. 123p.

1-025 048-826
Popowska, H.: **Databases - classification and typology. Pt.1.** (Orig. pl). Aktual.probl.inf.i dok. Vol.33, No.5, 1988. p.14-23

05 Periodicals and Serials

1-026 056.35
Baird, P. (Ed.): **Hypermedia.** (Orig.en). Vol.1, No.1, London, GB: Taylor Graham 1989. 3 x ann.
HYPERMEDIA will be a forum in which the multiplicity of complex issues encountered in the production of hyperdocuments can be aired - authoring hypertexts, cognitive process inf.; design stra-tegies, knowledge represen-tation, link dynamics, navigation and browsing, hypermedia tools, testing/ evaluation user interfaces, as well as applications in education, training, management,, publish-ing, business and commerce, the professions and public administra-tion. The list is by no means definitive ... (from the Introduc-tion)

06 Conference Reports, Proceedings

1-027 06.87-09-29/01
Jaenecke, P.: **Book review of Czap, H., Galinski, C.Eds.): Termin-ology and Knowledge Engineering. Proc.Int.Congress. 1987, Trier.** Frankfurt: Indeks Verl. 1987/88, 448+256 p.(Orig.en). Int. Clas-sif. Vol.16, No.3, 1989. p.177-180

1-028 06.88-07-9
Brown, K.: **(Meetings of RTSD CCS Committees).** (Orig.en). Cat.& Classif.Quart. Vol.9, No.4, 1989. p.129-143
Reports on July 1988 Meetings of the RTSD CCS Subject Analysis Committee and its Subcommittee on Current Terminology in LC Subject Headings, as well as on the Meeting of the LITA/RTSD CCS Interest Group on Authority Control in the Online Environment.

1-029 06.88-11-18/19
Rambler, L.K.: **Classification theory in the computer age.** (Orig. en). Libr.Hi Tech News., No.58, 1969. p.4-6

1-030 06.89-05-19/20
Bakewell, K.: **Indexing in the 1990's, 19-20 May 1989, San Fran-cisco.** ASI. (Orig.en). Indexer. Vol.16, No.4, 1989. p.275-276

1-031 06.89-06-20/21
Williamson, N.: **International Conference on Library Classification and Its Functions, Edmonton, Canada, June 20-21, 1989.** (Orig. en). Int.Classif. Vol.16, No.3, 1989. p.171-172
Reports informatively on the 7 papers presented (by Tony FELL, Mary DYK-STRA, John COMAROMI, Timothy CRAVEN, Gerard SALTON, C.R. WIL-SON, and Nancy WILLIAMSON.

1-032 06.89-08-22
Holley, R.: **IFLA Section on Classification and Indexing.** Annual Report 1988/1989. (Orig.en). Int.Classif. 16(1989)No.3, p.160-1
Reports on the developments, the progress of the Working Group on 'Guidelines for Subject Authority Files', on meetings and on the workshop on the 20th DDC Edition, followed by the abstracts of the three section papers presented at the Paris 1989 Annual IFLA con- ference.

1-033 06.89-10-5/6
Heiner-Freiling, M.: **Kolloquium zur Schlagwortnormdatei.** (Colloquy on the Standard Subject File). (Orig.de). Dialog Bibl.Vol.2, No.1, 1990. p.24-26
Reports on the results of the colloquy without listing the papers presented. These will be published in the Summer of 1990.

1-034 06.89-10-30/02+925
Williamson,N.: **ASIS Annual Meeting.** Int.Classif. Vol.16, No.3, 1989. p.161
Short report on the papers presented at SIG/CR Sessions on clas-sification and thesauri at the 51st Annual ASIS Meeting in Wash-ington, DC, Oct.30-Nov.2, 1989

07 Text Books (whole field)

1-035 07.111
Sood, S.P., Bhargava, G.D.: **Theory of library classification and catalo-guing.** (Orig.hi). Jaipur,IN: RBSA 1989. 222p. ISBN 81-85176-47-7.

1-036 07.2
Bies, W.: **Book review of Neet, H.E.: A la recherche du mot clé.** Analyse documentaire et l'indexation alphabétique. Genève, CH: Les Editions IES. Inst.d'Etudes Sociales 1989. 187p. (In search of the keyword. Document analysis and alphabetical indexing). (Orig. en). Int.Classif. Vol.16, No.3, 1989. p.175-176

1-037 07.31/3
Riaz, M.: **Advanced indexing and abstracting practice.** (Orig. en). New Delhi: Atlantic Publ. 1989. XVI,339 p.

08 Other Monographs

1-038 08.2
Meini, F.: **Sachmerkmale. Schlüssel zur technischen Gestaltung, Be-schreibung und Information.** (Subject characteristics. Key to their techni-cal design, description and information) (Orig. de). Ehningen,DE: Expert Verl.1990. 383p., 48 refs. ISBN 3-8169-0051-8.

1-039 08.75
Keen, M.: **Book review of Kemp, D.A.: Computer-based knowledge re-trieval. London: Aslib 1988. IX,399p.** (Orig.en).J.Doc. Vol.45,No.2, 1989. p.159-161

09 Standards, Guidelines

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1-040 09.77
DIN Normenausschuß Bibl. u.Dok.wesen (NABD): **DIN 31639 Teil 2 Ent-wurf: Fachwörterbuch der Information und Dokumentation. Doku-mente, traditionelle Dokumente.** (Vocabulary of Information and Do-cumentation, Part 2: traditional documents). (Orig.de). Berlin, DE: Beuth Vertrieb 1989. 19 p.

1 THEORETICAL FOUNDATIONS

12 Conceptology in Classification

124 Knowledge Representation

1-041 124
Bondaletova, O.B.: **Knowledge representation: frames and concepts.** (Orig. ru). Filos.naukI., No.4, 1989. p.37-43

1-042 124
Boose, J.H.: **A research framework for knowledge acquisition tech-niques and tools.** (Orig.en). GMD-Stud., No.143, 1988. p.10/1-13

1-043 124+355
Endres-Niggemeyer,B.: **Das Suso-Szenario. Materialien zur Wissens-repräsentation.** (The Super Software (Suso) scenario. Materials on knowledge representation). (Orig.de). Frankfurt, DE: Deutsche. Ges. f. Dok. 1988. 91p., many refs., DGD-Schrift KWV-1.
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1-046 124
Zarri, G.P.: **Conceptual representation for knowledge bases and 'intel-
ligent' information retrieval systems.** (Orig.en). In: Chia-ramella, Y.(Ed.),
CNRS. 11th Int.Conf.on Research and Development in Inform.Retrieval,
Grenoble, June 13-15, 1988.Grenoble, FR: Presses Univ. 1988. p.551-565,
26 refs.

13 Mathematics in Classification

1-047 133
Dunaev, V.V.: **Ranked distributions in a classification.** (Orig. ru, en).
Autom.Doc.& Math.Ling. Vol.22, No.5, 1988. p.23-31

15 Psychology and Classification

1-048 151
Becker, B.(Ed.): **Zur Terminologie der Kognitionsforschung.**(On the
terminology of cognition science).Workshop in der GMD, 16-18 Nov. 1988.
(Orig. de). St.Augustin, DE: Ges.Math.u.DV 1988. 314p.
GMD Arb.Papiere 385.
Contains the following 20 contributions: 1-049 Strube,G.: **'Episo-disches
Wissen'.** 1-050 Figge, U.L.: **Ein Gedächtnisbasiertes Reprä-senta-
tionsmodell und dessen Terminologie.** 1-051 Rehkämper, K.: **Analoge
und propositionale Repräsentation von Wissen.** 1-052 Schre-ter, Z.:
**Kurzzeitgedächtnis und Langzeitgedächtnis in Connectio-nistischen
Modellen.** 1-053 Kemke, Ch.: **Gedanken zur Wissensrepä-sentation
und -verarbeitung in n(N)euronalen Netzwerken.** 1-054 Helm, G.: **Klas-
sische vs. konnektionistische Modelle in der kogni-tiven Psychologie.**
1-055 Scheerer, E.: **Symbolverarbeitung und Kon-nektionismus: Eine
kontroverse ohne Ende?.** 1-056 Goschke,Th.: **Im-plikationen des neuen
Konnektionismus für den Begriff der mentalen Repräsentation.** 1-057
Scheerer, E.: **Philosophische Begeisterung für den Konnektionismus:
Etwas mehr Skepsis bitte!.** 1-058 Kemmer-ling, A.: **Kognitive Wissen-
schaft und umgangssprachlicher Überzeu-gungsbegriff.** 1-059 Schie-
gel, R.: **Intentionale Verursachung.** 1-060 Lischka, Ch.: **Nelson Goodman
und die deklarative Semantik wissens-basierter Systeme.** 1-061 Heyer,
G.: **Abstraktion und Allgemeinheit in sprachverarbeitenden Systemen
im Spannungsfeld zwischen kogni-tiver Erklärungsadäquatheit und
praxisorientierter Anwendung.** 1-062 Werslg, G., Hennings, R.D.: **Wissen
und Information aus infor-mationswissenschaftlicher Sicht.** 1-063
Rauterberg, M.: **Über das Phänomen Information.** 1-064 Kalinski, J.: **Zur
(Re)-Präsentation von Wissen.** 1-065 Kurthen, M.: **Androiden-Behavio-
rismus.** 1-066 Linke, D.B.: **Die Lokalisation des Raumes bei Ortlosen.** 1-
067 Breitbach, O.: **Hat die Neurobiologie Verhalten als Bewußt-seinsäu-
ßerung zu deuten?.** 1-068 Linke, D.B.: **Modelle und Anwen-dungen der
klinischen Neuroinformatik.**

1-069 154
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cognition.** (Orig. ru). In: Dialekt.materialism i filos.
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1-071 156
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1-072 161
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Olenski, J.: **Selected problems of information languages in data retrie-
val systems.** (Orig.pl). Aktual.probl.Inform.i dok. Vol.33, No.5, 1988. p.3-13,
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Roboz,P., Novak,T.: **Ordeals of a frustrated European intermediary with
competitive intelligence searching.** (Orig. en). In: On-line Information 88,
Proc.12.Int.Online Inform.Meeting, Vol.1. Oxford, GB: Learned Inform. 1988.
p.171-177

19 History of Classification

1-075 191
Shapiro, F.R.: **Contributions to the history of library terminol-ogy.** (Orig.
en). Libr.Quart. Vol.59, No.2, 1989. p.95-115, 14 refs.

2 Structure and Construction of CS and T

21 General Questions of CS and T

1-076 213+984+985
Arlt, F.: **Thesauri und BBK/A in rechnergestützten gesellschafts-wis-
senschaftlichen Informationssystemen.** (Thesauri and the adapted ver-
sion of the Library Bibliographical Classification in computer supported social
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1-078 213+756
Meiss, B.: **Thesaurus, integriert, online und dynamisch. Neues Ar-beiten
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22 Elements of CS and T

1-079 222
Gillman, P.: **Words, words, words.** (Orig. en). C & L Applications. Vol.3,
No.2, 1989. p.6-8

1-080 222
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(Orig. pl). Pr.Nauk AE Wroclawiu., No.443, 1988. p.117-123, 4 refs.

1-081 225
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1-082 225
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social science research.** (Orig.ru). Nauchno-tekhn.Inform. Ser.1 No.5,
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1-083 226+751
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1-089 244
Kravtsova, A.I.(Ed.): **System relations of language units.** (Orig. ru) Mezh.sb.nauch.tr./ Rost.n/D gos.ped.inst. Rostov n/D 1988.

247 Relational Databases

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Motro, A.: VAGUE: A user interface to relational databases that permits vague queries. ACM Trans.Off.Inf. 6(1988)No.3, p.187-214

1-091 247+224
Ciaccia, P.: Maio, D., Tiberio, P.: **A method for hierarchy pro-cessing in relational systems.** (Orig. en). Inform.Systems. Vol.14, No.2, 1989. p.93-105, 26 refs.

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Eichmann, G., Kasparis, T.: **Pattern classification using a linearassocia-tivememory.**(Orig.en). Pattern Recognition.Vol.22,No.6,1989.p.733-740, 11 refs.

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3 Classing and Indexing

31 Theory of Classing and Indexing

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